

BRAKE AND WHEEL END PARTS CATALOG



TRUST MATTERS.

TABLE OF CONTENTS

SECTION 1 — BRAKE HARDWARE

BENDIX “BRAZILIAN” 15" DIAMETER BRAKES	1-3
BENDIX “BRAZILIAN” 16-1/2" DIAMETER BRAKES-	1-4
DEXTER 12-1/4" S CAM AIR BRAKE	1-5
DEXTER TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES	1-6
DEXTER TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-7
EATON 15" DIAMETER STANDARD & ES EXTENDED SERVICE BRAKES	1-8
EATON 15" DIAMETER ES EXTENDED SERVICE BRAKES-	1-9
EATON 15" DIAMETER REDUCED ENVELOPE BRAKES-	1-10
EATON 16-1/2" DIAMETER 541 SERIES BRAKES	1-11
EATON 16-1/2" DIAMETER ES EXTENDED SERVICE BRAKES-	1-12
EATON 16-1/2" DIAMETER ES II EXTENDED SERVICE BRAKES-	1-14
EATON 18" DIAMETER SELF-CONTAINED TRACTOR BRAKES-	1-15
PARTS FOR EATON (SHULER) C & E	1-16
SERIES TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES	1-17
PARTS FOR EATON (SHULER) C, E AND J	1-18
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-19
PARTS FOR EATON (SHULER) 22R, 23R, 22L, 23L	1-20
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-21
EATON TOP SPEC ES RETROFIT FOR FRUEHAUF 16-1/2" DIAMETER XEM BRAKES	1-22
EATON TOP SPEC ES RETROFIT FOR MERITOR 16-1/2" DIAMETER Q BRAKES	1-22
PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES-	1-23
PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES-	1-25
PARTS FOR HENDRICKSON INTRAAX® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-27
MERITOR 12-1/4" DIAMETER Q BRAKES	1-29
MERITOR COACH 14-1/2" X 4" & 6" W SERIES	1-30
MERITOR 14-1/2" X 5" W SERIES	1-31
MERITOR 14-1/2" X 8" & 10" W SERIES	1-32
MERITOR 14-1/2" X 10" W SERIES	1-33
MERITOR 15" DIAMETER Q SERIES	1-35
MERITOR 15" DIAMETER Q+™ BRAKES	1-36
MERITOR T SERIES 15" DIAMETER BRAKES-	1-37
MERITOR T SERIES 16-1/4" DIAMETER BRAKES	1-38
MERITOR 16-1/2" DIAMETER Q AND P BRAKES	1-39
MERITOR 16-1/2" DIAMETER Q+™ BRAKES	1-40
MERITOR 16-1/2" DIAMETER Q AND P BRAKES	1-41
MERITOR Q+™ SERIES CAM BRAKES FOR 15" & 16-1/2" MX500 LONG LIFE & LX500 EXTENDED LUBE	1-42
MERITOR 18" DIAMETER CAST BRAKES	1-44
MERITOR EARLY MODEL TRAILER AXLES	1-45
MERITOR TN, TP, TQ, AND TR TRAILER AXLES	1-47
MERITOR TRAILER AXLES WITH 16-1/2" DIAMETER BRAKES	1-49
SPICER (DANA) 12-1/4" DIAMETER FAST CHANGE II BRAKES	1-50
SPICER (DANA) 12-1/4" DIAMETER	1-51
SPICER (DANA) 12-1/4" DIAMETER U BRAKES	1-52
PARTS FOR SPICER (DANA)-	1-53
D21 AND 22 AXLES WITH 16-1/2" DIAMETER BRAKES	1-54
STD. FORGE AXLE WITH 12-1/4" DIAMETER BRAKES-	1-55
PARTS FOR STD. FORGE A-17, A-19 & A-22-	1-57
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-58
WAGNER 15" DIAMETER BRAKES	1-59
BENDIX 15" DIAMETER WEDGE BRAKES	1-61
MERITOR STOPMASTER 12-1/4" DIAMETER WEDGE BRAKES	1-63

TABLE OF CONTENTS

MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES	-1-64
MERITOR STOPMASTER 15" DIAMETER RSA WEDGE BRAKES	-1-66
MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES	-1-67
EUCLID BRAKE HARDWARE KIT & UNLINED BRAKE SHOE	-1-71
BRAKE REPAIR KITS AND HARDWARE	-1-74
ROLLERS	1-101
ROLLER PINS	1-103
BRAKE SHOE ANCHOR PINS	1-104
BRAKE HARDWARE	1-107
BRAKE SHOE BUSHINGS	1-112
GREASE FITTINGS	1-112
ANCHOR PIN SPIDER BUSHINGS	1-113
RETURN SPRINGS	1-114
RETAINER SPRINGS	1-118
RETURN SPRINGS	1-118
CAM RETURN SPRING RETAINERS	1-119
BRAKE BLOCK BOLTS	1-119
EUCLID SEMI-TUBULAR RIVETS	1-120
CAM BRAKE SHOES	1-123
COACH BRAKE SHOES	1-124
WEDGE BRAKE SHOES	1-124
CAM BRAKE SHOES	1-124
BRAKE AND AXLE PARTS	1-127
BRAKE SPIDERS - TRAILERS ONLY	1-127
DUST SHIELDS	1-128
SECTION 2 — CAMSHAFTS AND RELATED PARTS	
EUCLID CAMSHAFT E.S.P. GUIDE	2-3
BRAKE CAMSHAFTS — STEERING AXLE	2-19
BRAKE CAMSHAFTS — DRIVE AXLE	2-22
BRAKE CAMSHAFTS — TRAILER AXLE	2-30
CAMSHAFT REPAIR KITS AND HARDWARE	2-51
CAMSHAFT SUPPORT BRACKETS	2-73
CAMSHAFT SUPPORT BUSHING ASSEMBLY	2-75
CAMSHAFT SUPPORT BRACKETS AND ASSEMBLIES	2-76
CAMSHAFT TUBE ENCLOSURES FOR TRAILERS	2-77
SUPPORT BRACKET AND MOUNTING PLATES	2-78
CAMSHAFT BUSHINGS	2-78
CAMSHAFT SPIDER BUSHINGS KITS	2-83
CAMSHAFT SEALS	2-84
CAMSHAFT SPACER WASHERS	2-86
CAMSHAFT WASHERS	2-87
CAMSHAFT SPACER WASHERS	2-87
CAMSHAFT WASHERS	2-88
CAMSHAFT LOCK RINGS	2-89
SECTION 3 — SLACK ADJUSTERS	
MANUAL SLACK ADJUSTERS	3-2
CLEVIS PIN BUSHING	3-3
MERITOR AUTOMATIC SLACK ADJUSTERS	3-4
MERITOR AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE	3-6
MERITOR AUTOMATIC SLACK ADJUSTERS	3-8

TABLE OF CONTENTS

MERITOR MISC AUTOMATIC SLACK ADJUSTER PARTS	3-9
MERITOR SIMPLECHECK	3-9
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE-	3-10
HALDEX AUTOMATIC SLACK ADJUSTERS	3-13
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS	3-18
MERITOR SELF-ADJUSTING BRAKE ADJUSTERS	3-25
MERITOR SELF-SETTING BRAKE ADJUSTERS	3-26
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS	3-27
GUNITE AUTOMATIC SLACK ADJUSTERS	3-32
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER KITS	3-39
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER CROSS REFERENCE-	3-40
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER KITS	3-41
STEMCO/CREWSON AUTO-CHECK™ AUTOMATIC SLACK ADJUSTER KITS	3-42
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER CLEVIS KITS	3-42
SAFETY CHECK™ BRAKE GAUGES-	3-43
SECTION 4 — BRAKE CHAMBERS	
EUCLID BRANDED CAM SPRING BRAKES AND COMPONENTS	4-2
TSE BRAKES INC.	4-4
TSE RECOMMENDED TORQUE	4-5
ULTRALIFE	4-6
OMNIBRAKE	4-8
SEVERE DUTY-	4-10
HOT - HIGH OUTPUT TECHNOLOGY-	4-11
OTHER TSE COMPONENTS	4-12
TSE PARTS LIST	4-12
BRAKE CHAMBER INSTALLATION	4-13
WELDED CLEVIS EXPLANATION	4-19
TSE TROUBLE SHOOTING GUIDE-	4-20
TSE BRAKES DATE CODES	4-22
HALDEX CAM SPRING BRAKES AND COMPONENTS-	4-24
WEDGE SPRING BRAKES AND COMPONENTS	4-27
HALDEX SERVICE COMPONENTS-	4-27
HALDEX CAM SPRING BRAKES AND COMPONENTS-	4-28
HALDEX SERVICE COMPONENTS-	4-29
SECTION 5 — WEDGE BRAKES	
PARTS FOR BENDIX WEDGE BRAKE	5-2
EUCLID HDG WEDGE BRAKE LUBRICANT	5-2
PARTS FOR BENDIX WEDGE BRAKE	5-3
MERITOR STOPMASTER WEDGE BRAKE PARTS	5-5
SECTION 6 — WHEEL END	
INNER CAP NUTS	6-2
DISC WHEEL NUTS-	6-3
WHEEL STUDS	6-6
BUS AND HEAVY-DUTY STUDS-	6-8
WHEEL STUDS	6-7
BUS AND HEAVY-DUTY STUDS-	6-9
WHEEL STUDS	6-11
WHEEL STUDS — METRIC	6-22
WHEEL STUDS	6-21

TABLE OF CONTENTS

WHEEL STUDS — METRIC	-6-23
DRIVE FLANGE STUDS	-6-26
DRIVE FLANGE WEDGES	-6-27
DRIVE FLANGE NUTS-	-6-27
DRUM BOLT ASSEMBLIES-	-6-27
BRAKE DRUM ATTACHING SCREW	-6-27
SPOKE WHEEL & RIM STUDS	-6-28
SPOKE WHEEL & RIM BOLTS	-6-28
SPOKE WHEEL & RIM STUDS	-6-29
RIM CLAMPS	-6-30
SPOKE WHEEL SERVICE INFORMATION-	-6-34
TORQUE CHART	-6-34
DISC WHEEL SERVICE INFORMATION	-6-35
TORQUE CHART	-6-35
TRAILER AXLE SPINDLE HARDWARE	-6-36
STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS	-6-44
DRIVE AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS	-6-50
MERITOR WHEEL BEARING ADJUSTMENT SYSTEM FOR THE AFTERMARKET	-6-52
TIMKEN MILEMATE® MANUALLY ADJUSTED WHEEL ENDS	-6-53
WHEEL HUB CAPS	-6-56
DRIVE AXLE GASKET ASSORTMENT-	-6-57
DRIVE AXLE FLANGE GASKETS	-6-57
SECTION 7 — SERVICE TOOLS	
AIR BRAKE SERVICE TOOLS-	7-2
HYDRAULIC BRAKE SERVICE TOOLS	7-4
ASSORTMENTS AND DISPLAY BOARDS	7-5
TRUCK WHEEL BEARING LOCK-NUT WRENCH ASSORTMENTS	7-6
WHEEL BEARING LOCK-NUT WRENCHES	7-7
NEW STYLE EUCLID TUBULAR SPANNER WRENCHES WITH 3/4" DRIVE SQUARE OPENING	7-7
WHEEL SERVICE TOOLS	7-8
WRENCHES FOR TRUCK & TRAILER WHEELS	7-10
SPECIAL TOOLS	7-11
BROKEN CAP NUT AND STUD REMOVAL TOOL	7-12
SUSPENSION SERVICE TOOLS-	7-13
FRONT END SERVICE TOOLS	7-14
MISCELLANEOUS SERVICE TOOLS	7-16
SECTION 8 — MISCELLANEOUS PARTS	
E-700 TRAILER KING PIN-	8-2
FIFTH WHEEL PARTS-	8-2
JUNCTION BOX	8-3
PLACARD HOLDER	8-3
REBUILD KITS FOR HORTON FAN CLUTCHES	8-4
CROSS REFERENCE	9-1
NUMERICAL LISTING-	10-1

SECTION 1 — BRAKE HARDWARE

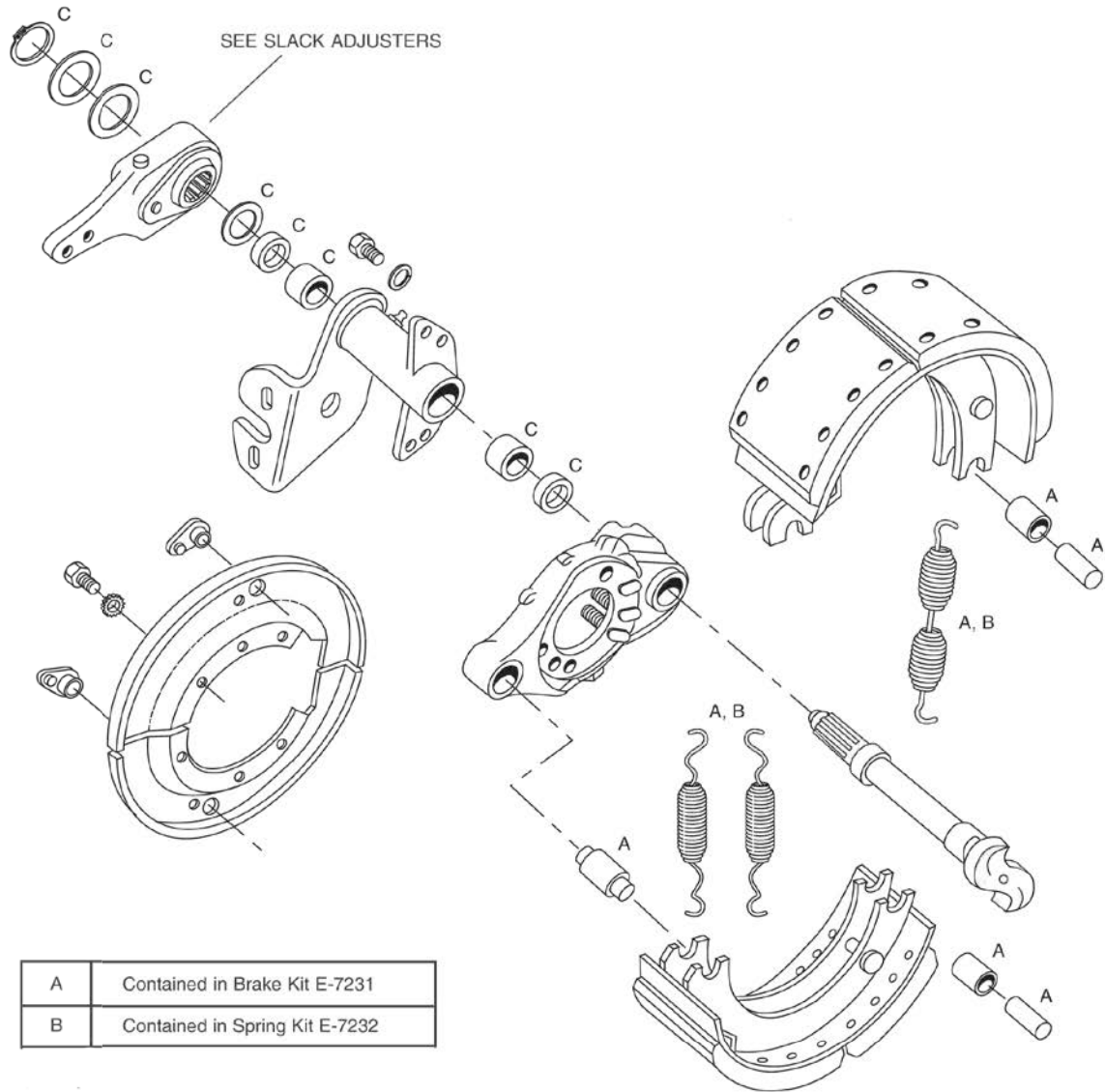
BENDIX "BRAZILIAN" 15" DIAMETER BRAKES	1-3
BENDIX "BRAZILIAN" 16-1/2" DIAMETER BRAKES-	1-4
DEXTER 12-1/4" S CAM AIR BRAKE	1-5
DEXTER TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES	1-6
DEXTER TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-7
EATON 15" DIAMETER STANDARD & ES EXTENDED SERVICE BRAKES	1-8
EATON 15" DIAMETER ES EXTENDED SERVICE BRAKES-	1-9
EATON 15" DIAMETER REDUCED ENVELOPE BRAKES-	1-10
EATON 16-1/2" DIAMETER 541 SERIES BRAKES	1-11
EATON 16-1/2" DIAMETER ES EXTENDED SERVICE BRAKES-	1-12
EATON 16-1/2" DIAMETER ES II EXTENDED SERVICE BRAKES-	1-14
EATON 18" DIAMETER SELF-CONTAINED TRACTOR BRAKES-	1-15
PARTS FOR EATON (SHULER) C & E	1-16
SERIES TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES	1-17
PARTS FOR EATON (SHULER) C, E AND J	1-18
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-19
PARTS FOR EATON (SHULER) 22R, 23R, 22L, 23L	1-20
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-21
EATON TOP SPEC ES RETROFIT FOR FRUEHAUF 16-1/2" DIAMETER XEM BRAKES	1-22
EATON TOP SPEC ES RETROFIT FOR MERITOR 16-1/2" DIAMETER Q BRAKES	1-22
PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES-	1-23
PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES-	1-25
PARTS FOR HENDRICKSON INTRAAX® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-27
MERITOR 12-1/4" DIAMETER Q BRAKES	1-29
MERITOR COACH 14-1/2" X 4" & 6" W SERIES	1-30
MERITOR 14-1/2" X 5" W SERIES	1-31
MERITOR 14-1/2" X 8" & 10" W SERIES	1-32
MERITOR 14-1/2" X 10" W SERIES	1-33
MERITOR 15" DIAMETER Q SERIES	1-35
MERITOR 15" DIAMETER Q+™ BRAKES	1-36
MERITOR T SERIES 15" DIAMETER BRAKES-	1-37
MERITOR T SERIES 16-1/4" DIAMETER BRAKES	1-38
MERITOR 16-1/2" DIAMETER Q AND P BRAKES	1-39
MERITOR 16-1/2" DIAMETER Q+™ BRAKES	1-40
MERITOR 16-1/2" DIAMETER Q AND P BRAKES	1-41
MERITOR Q+™ SERIES CAM BRAKES FOR 15" & 16-1/2" MX500 LONG LIFE & LX500 EXTENDED LUBE	1-42
MERITOR 18" DIAMETER CAST BRAKES	1-44
MERITOR EARLY MODEL TRAILER AXLES	1-45
MERITOR TN, TP, TQ, AND TR TRAILER AXLES	1-47
MERITOR TRAILER AXLES WITH 16-1/2" DIAMETER BRAKES	1-49
SPICER (DANA) 12-1/4" DIAMETER FAST CHANGE II BRAKES	1-50
SPICER (DANA) 12-1/4" DIAMETER	1-51
SPICER (DANA) 12-1/4" DIAMETER U BRAKES	1-52
PARTS FOR SPICER (DANA)-	1-53
D21 AND 22 AXLES WITH 16-1/2" DIAMETER BRAKES	1-54
STD. FORGE AXLE WITH 12-1/4" DIAMETER BRAKES-	1-55
PARTS FOR STD. FORGE A-17, A-19 & A-22-	1-57
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES	1-58
WAGNER 15" DIAMETER BRAKES	1-59
BENDIX 15" DIAMETER WEDGE BRAKES	1-61
MERITOR STOPMASTER 12-1/4" DIAMETER WEDGE BRAKES	1-63
MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES	1-64

SECTION 1 — BRAKE HARDWARE

MERITOR STOPMASTER 15" DIAMETER RSA WEDGE BRAKES - - - - -	-1-66
MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES - - - - -	-1-67
EUCLID BRAKE HARDWARE KIT & UNLINED BRAKE SHOE - - - - -	-1-71
BRAKE REPAIR KITS AND HARDWARE - - - - -	-1-74
ROLLERS - - - - -	1-101
ROLLER PINS - - - - -	1-103
BRAKE SHOE ANCHOR PINS- - - - -	1-104
BRAKE HARDWARE - - - - -	1-107
BRAKE SHOE BUSHINGS - - - - -	1-112
GREASE FITTINGS - - - - -	1-112
ANCHOR PIN SPIDER BUSHINGS - - - - -	1-113
RETURN SPRINGS - - - - -	1-114
RETAINER SPRINGS - - - - -	1-118
RETURN SPRINGS - - - - -	1-118
CAM RETURN SPRING RETAINERS - - - - -	1-119
BRAKE BLOCK BOLTS - - - - -	1-119
EUCLID SEMI-TUBULAR RIVETS - - - - -	1-120
CAM BRAKE SHOES - - - - -	1-123
COACH BRAKE SHOES - - - - -	1-124
WEDGE BRAKE SHOES - - - - -	1-124
CAM BRAKE SHOES - - - - -	1-124
BRAKE AND AXLE PARTS - - - - -	1-127
BRAKE SPIDERS - TRAILERS ONLY- - - - -	1-127
DUST SHIELDS - - - - -	1-128

STEER AXLE BRAKE "FORD CARGO"

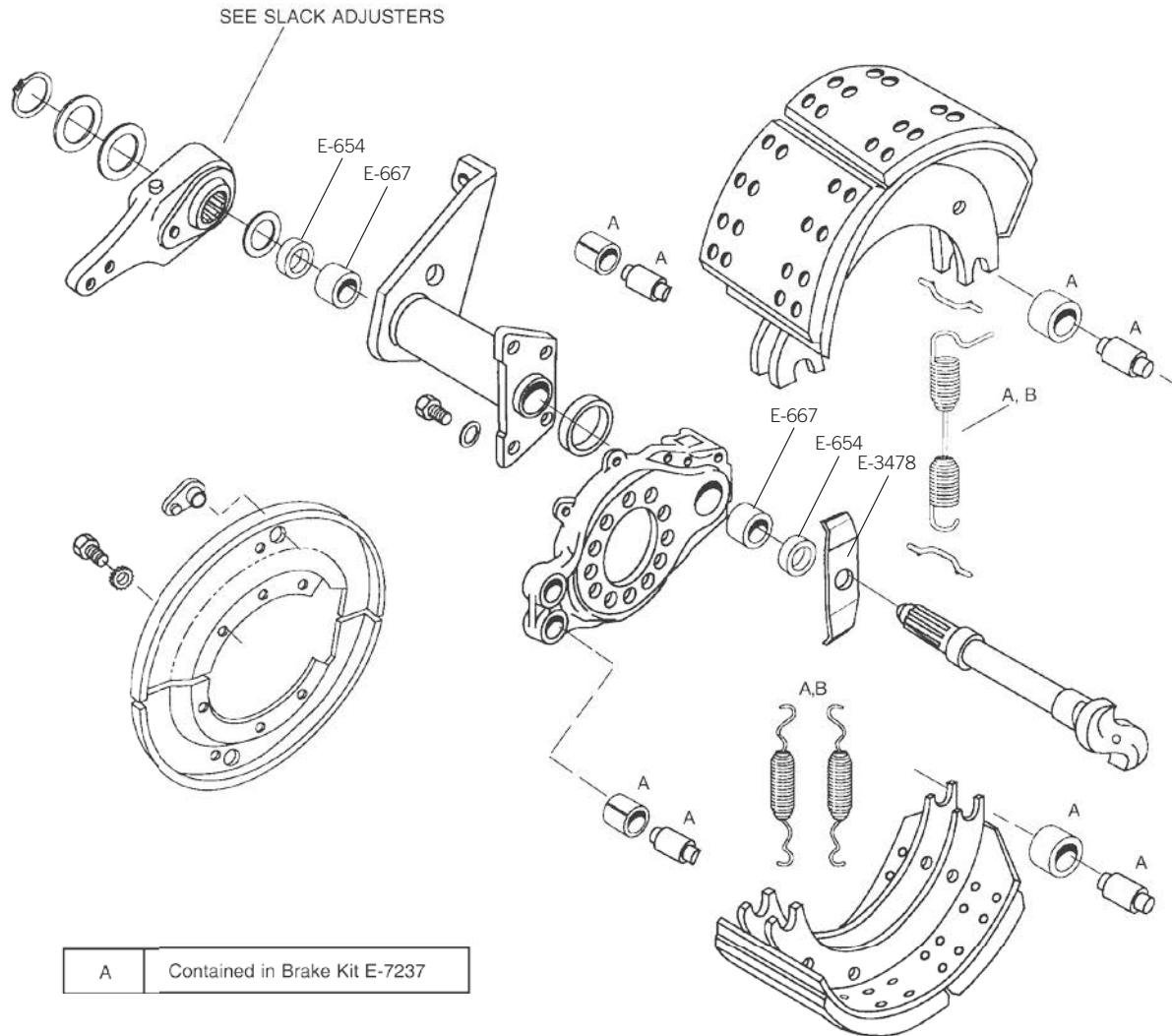
PART NO.	PAGE NO.
E-7231	1-83
E-7232	1-82



- Bendix 15" Steer Axle is the only dual web, single replaceable anchor pin design built prior to '95.
- Most common application is found on 1989-1991 Ford Bus & Cargo.

TRUCK & TRACTOR BRAKE

PART NO.	PAGE NO.
E-654	2-85
E-667	2-53
E-3478	2-87
E-7237	1-84

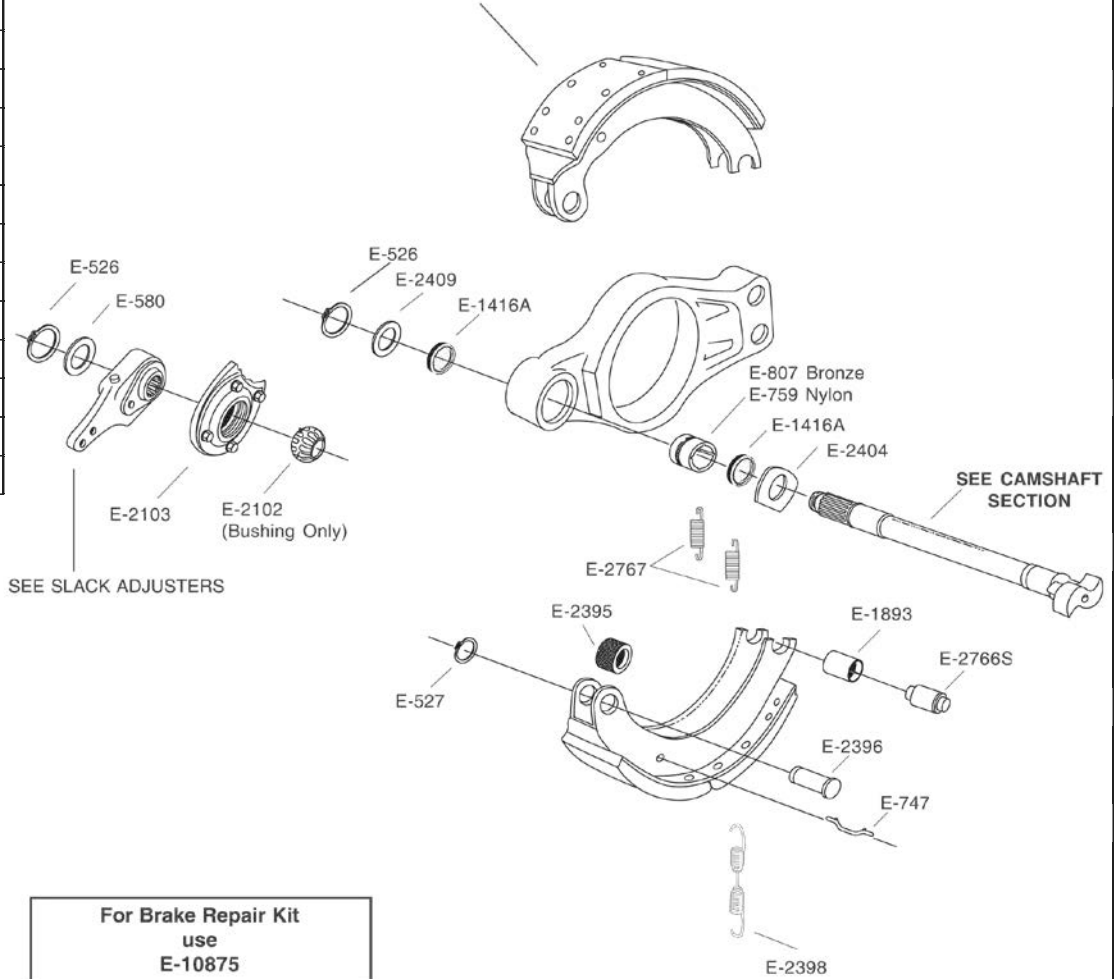


- Bendix 16 1/2" shoe is unique to this application. Never interchange with other shoe manufacturers.

PQ STYLE BRAKE (AFTER 5/96)

PART NO.	PAGE NO.
E-526	2-89
E-527	1-107
E-580	2-86
E-747	1-119
E-759	2-79
E-807	2-79
E-1416A	2-84
E-1893	1-113
E-2102	2-80
E-2103	2-73
E-2395	1-102
E-2396	1-103
E-2398	1-114
E-2404	2-88
E-2409	2-86
E-2469	2-51
E-2766S	1-104
E-2767	1-118
E-10875	1-74
E-10876	1-123
E-10877	1-123
E-10878	1-123

SHOE	SIZE	FMSI
E-10876	4"	4700
E-10877	5"	4661C
E-10878	7 1/2"	4591



For Brake Repair Kit
use
E-10875

For Camshaft Repair Kit
use
E-2469

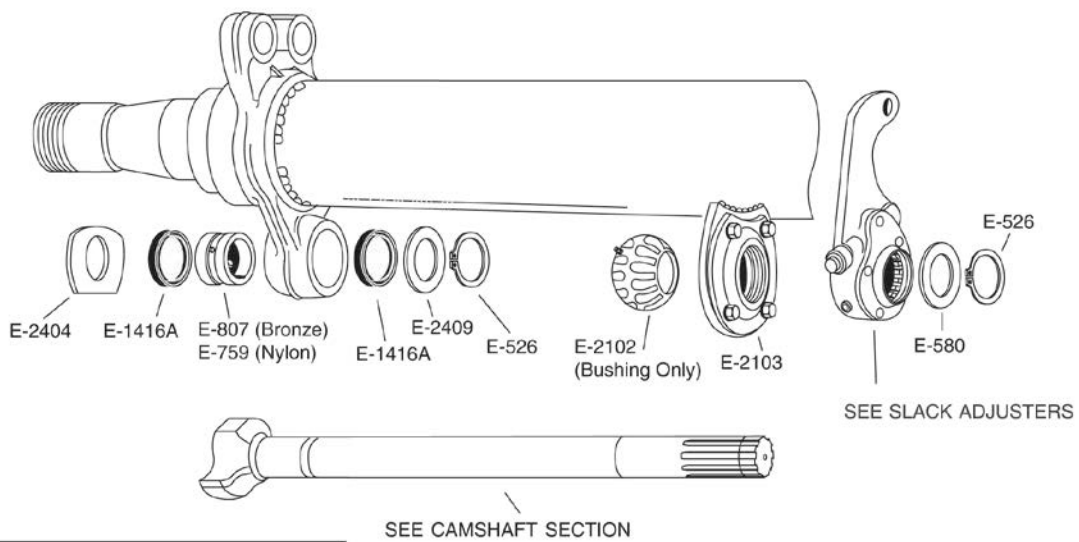
Note: For Dexter Q Shoe use E-10756 kit and change out roller E-586 to E-523

DEXTER TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES

BRAKE HARDWARE

CAMSHAFT, BUSHINGS & BRACKET PARTS

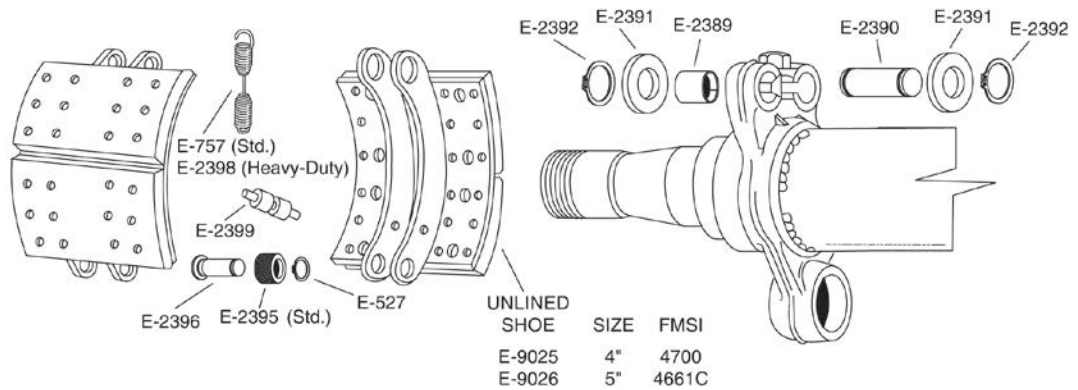
PART NO.	PAGE NO.
E-526	2-89
E-580	2-86
E-759	2-79
E-807	2-79
E-1416A	2-84
E-2102	2-80
E-2103	2-73
E-2404	2-88
E-2409	2-86
E-2469	2-51



**For Camshaft Repair Kit
use
E-2469**

BRAKE SHOES & HARDWARE (BEFORE 4/93)

PART NO.	PAGE NO.
E-527	1-107
E-757	1-114
E-2389	1-113
E-2390	1-104
E-2391	1-111
E-2392	1-107
E-2395	1-102
E-2396	1-103
E-2398	1-114
E-2399	1-119
E-2402HD	1-78
E-9025	1-123
E-9026	1-123



- Not interchangeable with other 12 1/4" Designs. Euclid recommends against replacing with "Q" Style shoes.

**For Brake Repair Kit
use
E-2402HD**

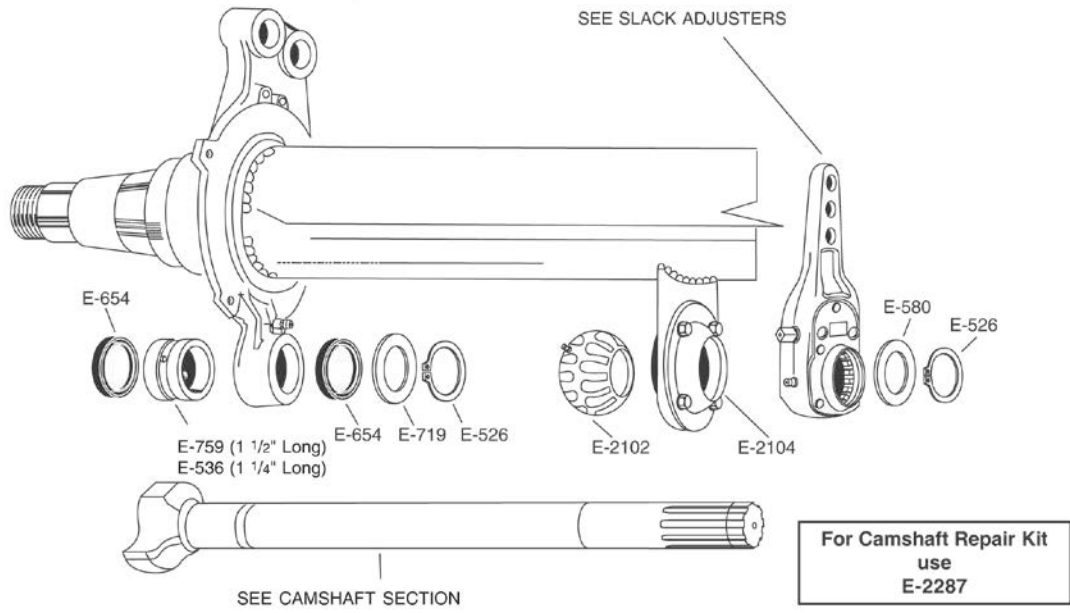
DEXTER TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

Brake and
Wheel End

BRAKE HARDWARE

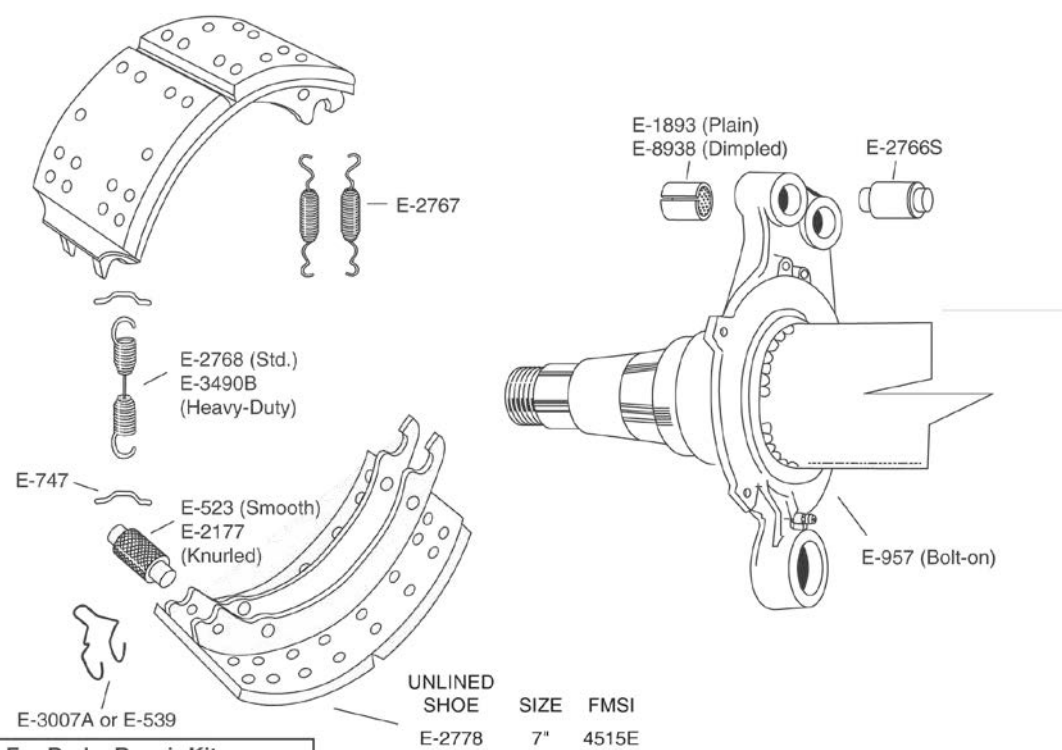
CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-580	2-86
E-654	2-85
E-719	2-87
E-759	2-79
E-2102	2-80
E-2104	2-73
E-2287	2-63



BRAKE SHOES & HARDWARE

PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-747	1-119
E-1893	1-113
E-2177	1-101
E-2766S	1-104
E-2767	1-118
E-2768	1-116
E-2769HD	1-92
E-2769S	1-92
E-2769SHD	1-92
E-2778	1-126
E-3007A	1-110
E-3490B	1-116
E-8938	1-113



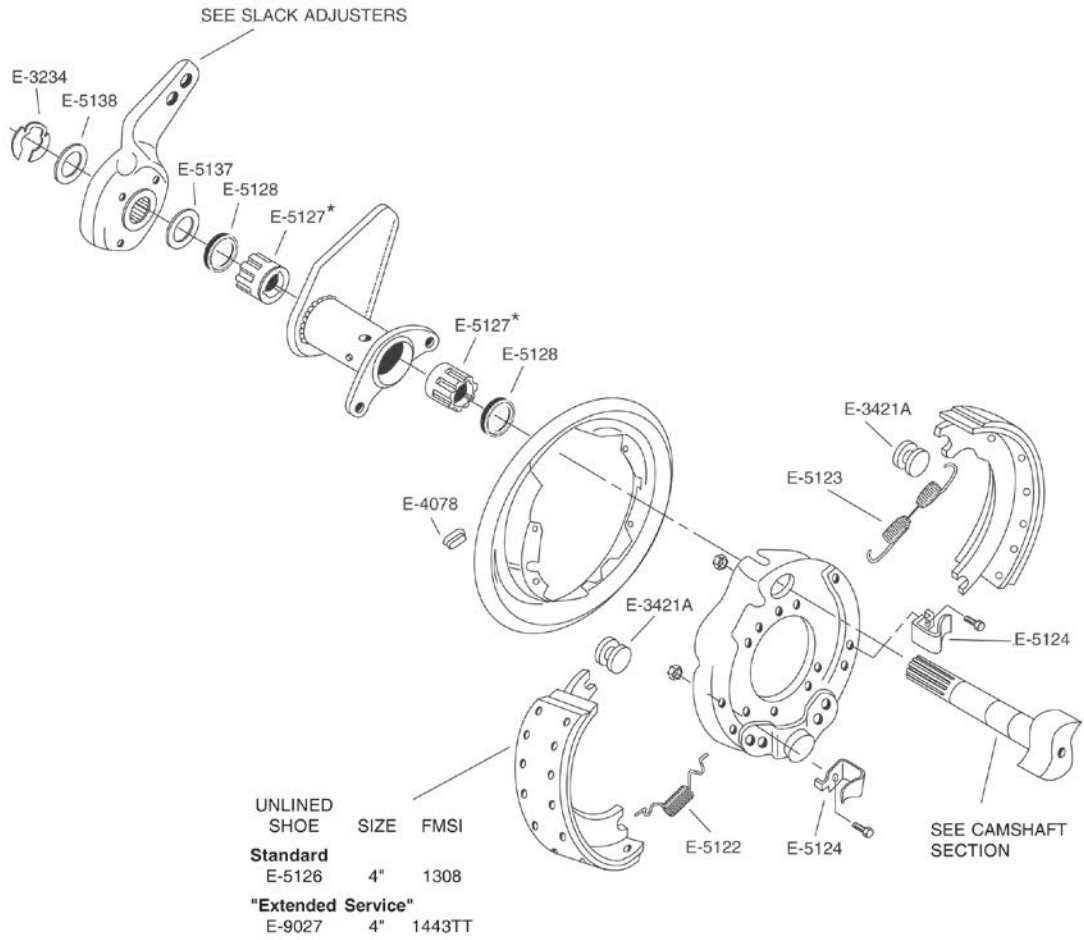
For Brake Repair Kit use
E-2769HD, E-2769S,
E-2769SHD

• Interchangeable with Meritor "Q" Style shoes.

EATON 15" DIAMETER STANDARD & ES EXTENDED SERVICE BRAKES

STEER AXLE BRAKE - SINGLE WEB

PART NO.	PAGE NO.
E-3234	2-89
E-3421A	1-101
E-4078	1-110
E-5122	1-118
E-5123	1-115
E-5124	1-110
E-5126	1-124
E-5127	2-78
E-5128	2-84
E-5137	2-86
E-5138	2-86
E-5139	1-80
E-5140	2-57
E-9027	1-124



* Bushing, E-5127, is inverted in camshaft tube, see illustration above.

For Brake Repair Kit
use
E-5139

For Camshaft Repair Kit
use
E-5140

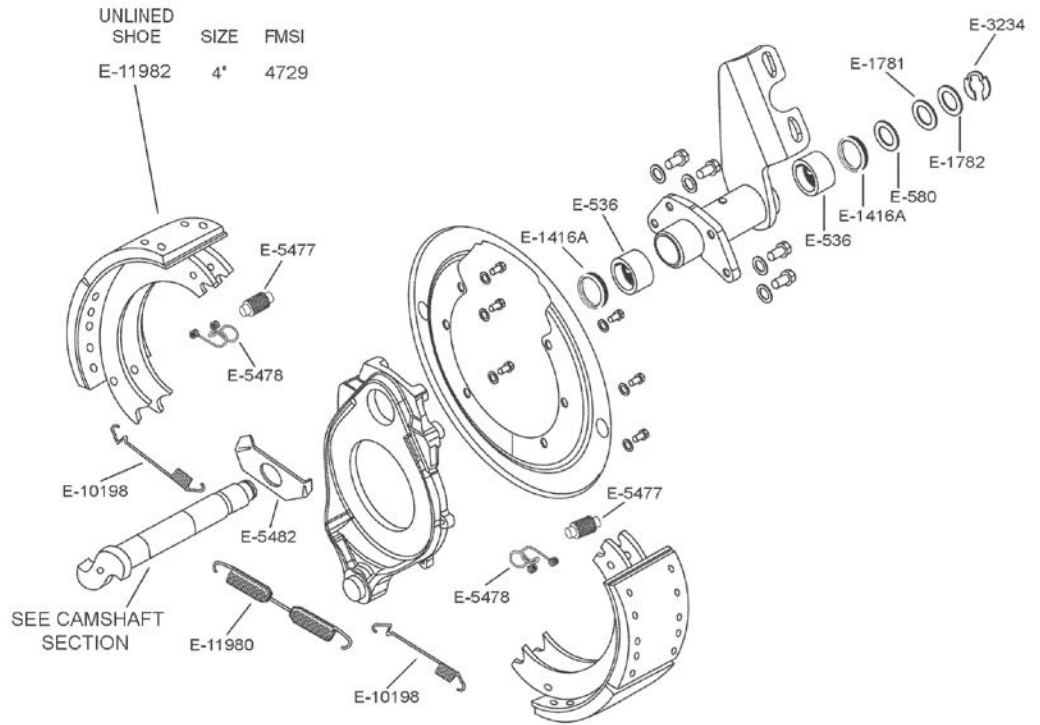
EATON 15" DIAMETER ES EXTENDED SERVICE BRAKES

Brake and
Wheel End

BRAKE HARDWARE

STEER AXLE BRAKE - DOUBLE WEB

PART NO.	PAGE NO.
E-536	2-79
E-580	2-86
E-1416A	2-84
E-1781	2-86
E-1782	2-86
E-2125-2	2-55
E-3234	2-89
E-5477	1-101
E-5478	1-110
E-5482	2-87
E-10198	1-118
E-11981	1-79



**For Brake Repair Kit
use
E-11981**

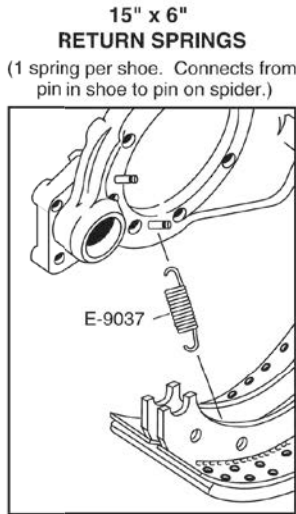
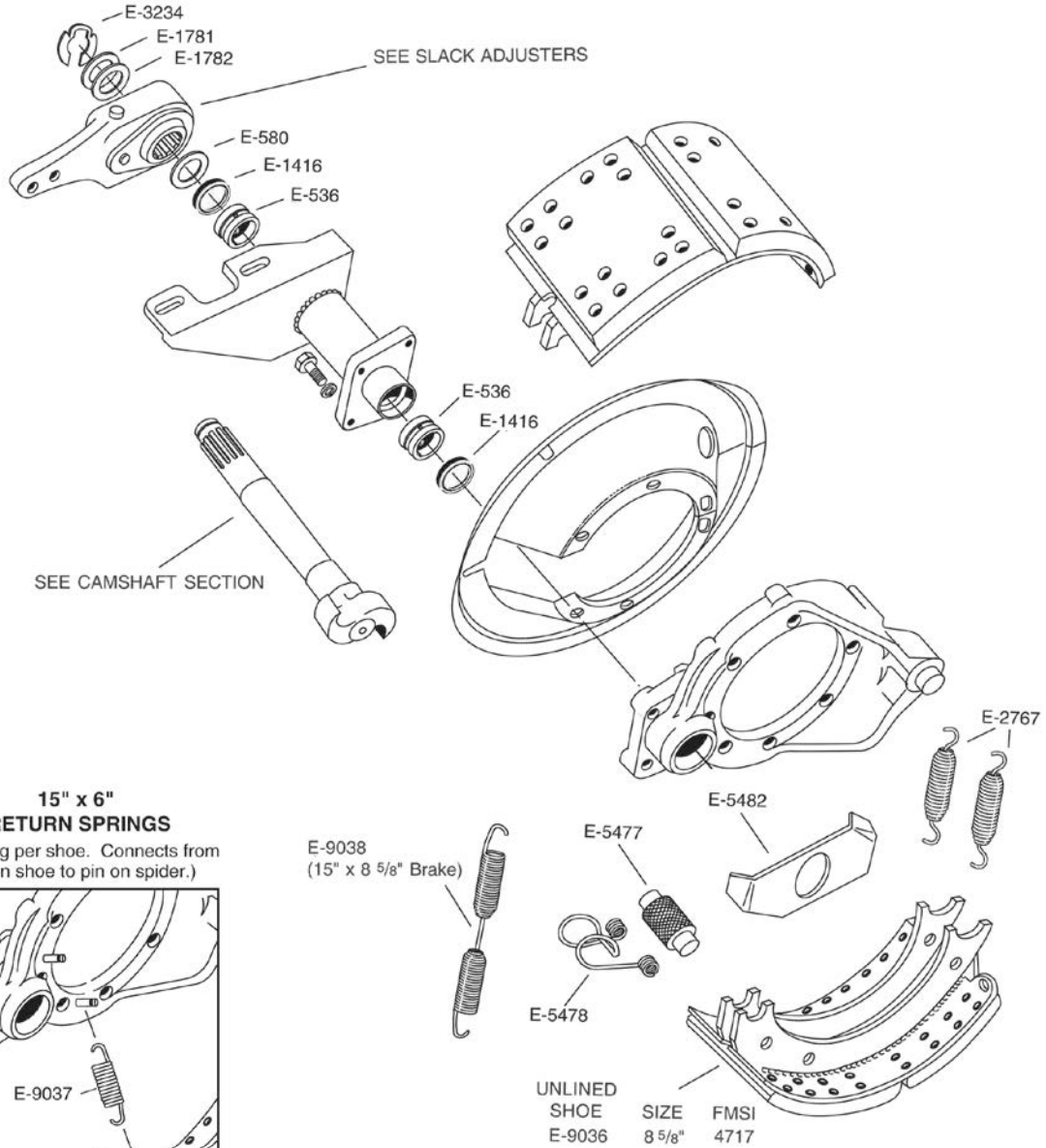
**For Camshaft Repair Kit
use
E-2125-2**

EATON 15" DIAMETER REDUCED ENVELOPE BRAKES

BRAKE HARDWARE

TRUCK AND TRACTOR BRAKE

PART NO.	PAGE NO.
E-536	2-79
E-580	2-86
E-1416	2-84
E-1781	2-86
E-1782	2-86
E-2767	1-118
E-3234	2-89
E-5477	1-101
E-5478	1-110
E-5482	2-87
E-5501	2-54
E-9036	1-124
E-9037	1-115
E-9038	1-115
E-9039	1-84
E-9141	1-83



UNLINED SHOE
E-9036 SIZE 8 5/8" FMSI 4717

For Brake Repair Kit
use E-9141 (6" Shoe)
E-9039 (8 5/8" Shoe)

For Camshaft Repair Kit
use E-5501

- Only dual web single non replaceable Anchor Pin design.

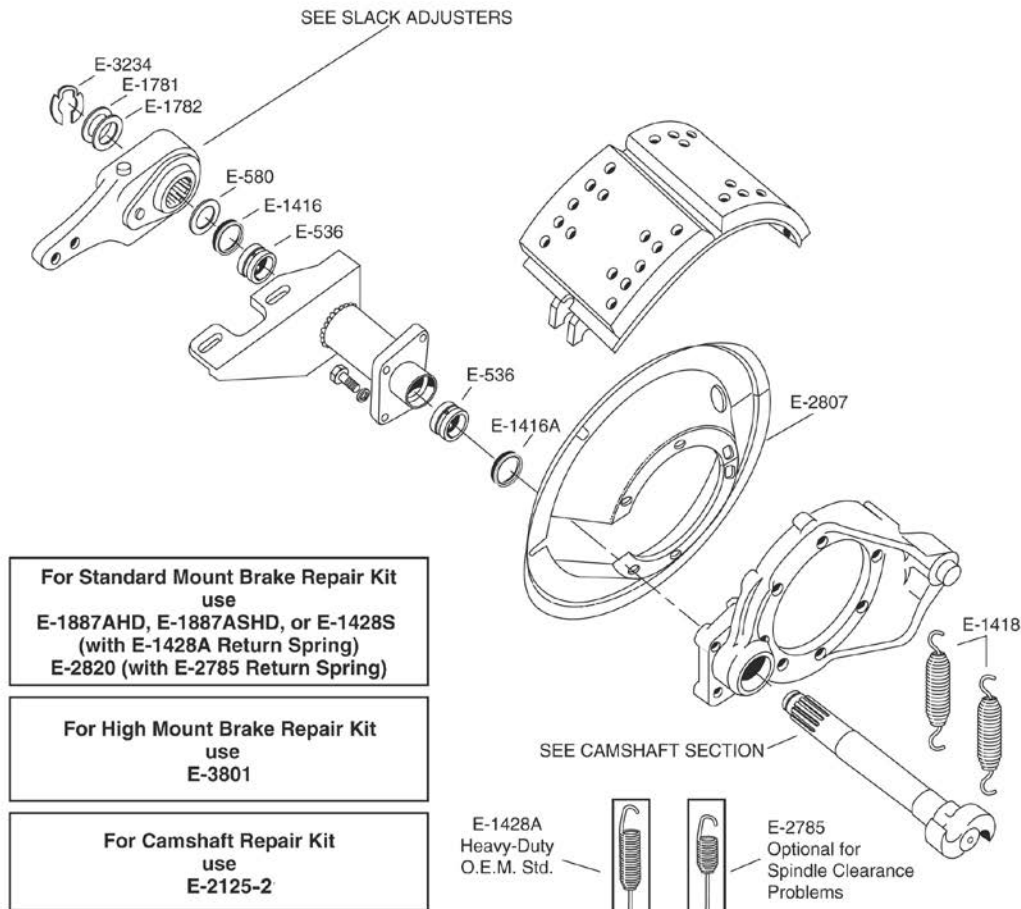
EATON 16-1/2" DIAMETER 541 SERIES BRAKES

Brake and
Wheel End

BRAKE HARDWARE

TRUCK AND TRACTOR BRAKE WITH CAST SPIDER

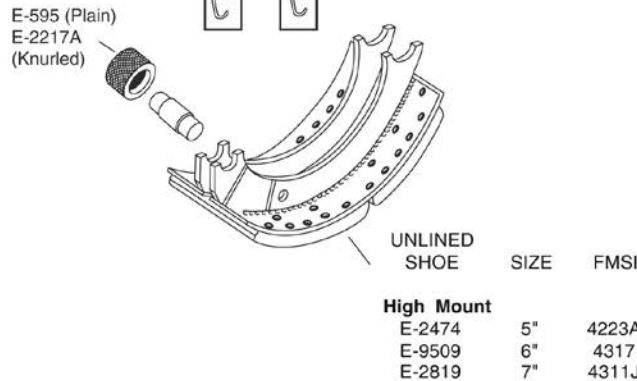
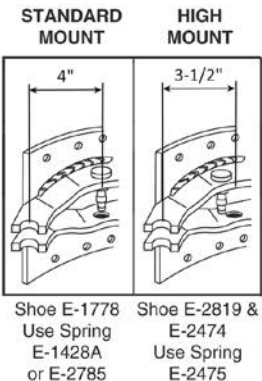
PART NO.	PAGE NO.
E-536	2-79
E-580	2-86
E-595	1-102
E-1416	2-84
E-1416A	2-84
E-1418	1-118
E-1428A	1-117
E-1428S	1-117
E-1781	2-86
E-1782	2-86
E-1887AHD	1-87
E-1887ASHD	1-87
E-2125-2	2-55
E-2217A	1-102
E-2474	1-125
E-2475	1-117
E-2785	1-117
E-2807	1-129
E-2820	1-87
E-3234	2-89
E-3801	1-88
E-9509	1-125



For Standard Mount Brake Repair Kit
 use
E-1887AHD, E-1887ASHD, or E-1428S
 (with E-1428A Return Spring)
E-2820 (with E-2785 Return Spring)

For High Mount Brake Repair Kit
 use
E-3801

For Camshaft Repair Kit
 use
E-2125-2

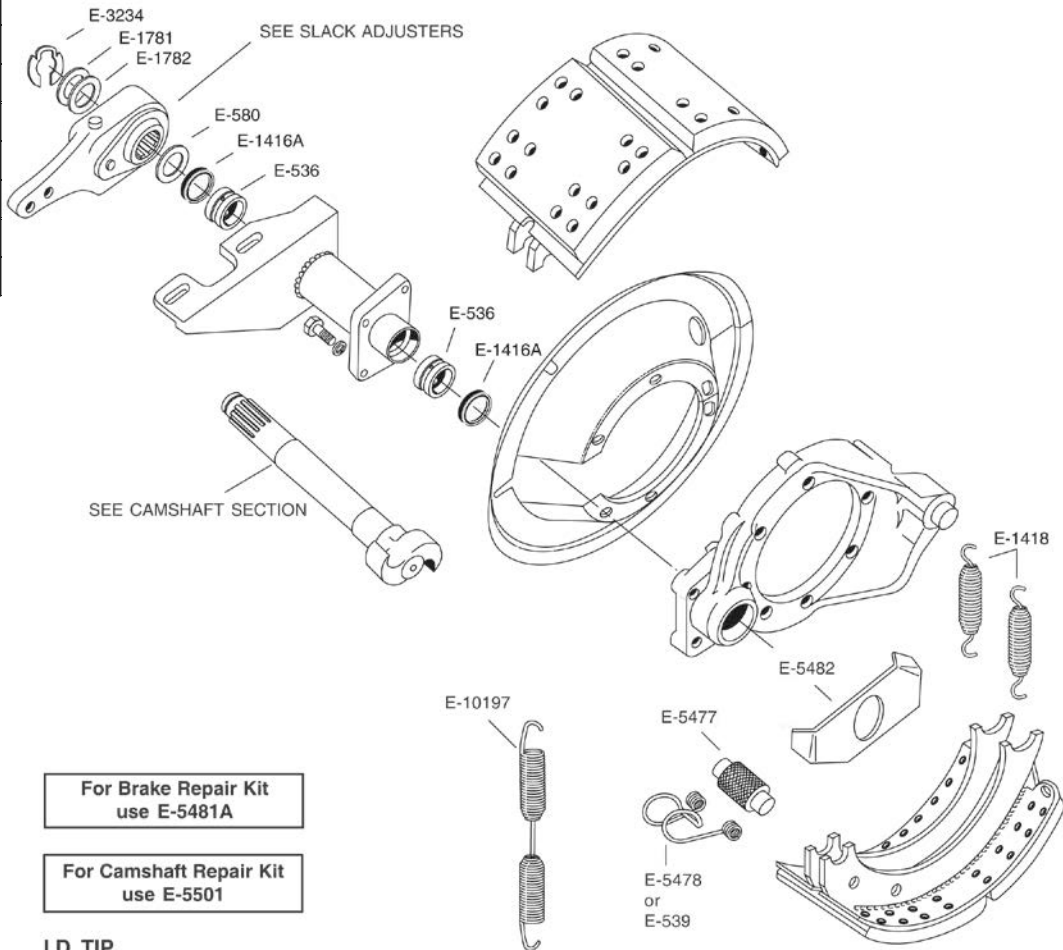


- Upgrade to "ES II" with "ES II" Cam and "ES II" Kit.
- Note: cannot change from High Mount to Standard Mount.

EATON 16-1/2" DIAMETER ES EXTENDED SERVICE BRAKES

TRUCK AND TRACTOR BRAKE WITH FABRICATED SPIDER

PART NO.	PAGE NO.
E-536	2-79
E-539	1-110
E-580	2-86
E-1416A	2-84
E-1418	1-118
E-1781	2-86
E-1782	2-86
E-3234	2-89
E-5477	1-101
E-5478	1-110
E-5481A	1-85
E-5482	2-87
E-5501	2-54
E-10197	1-117
E-9141	1-83



For Brake Repair Kit
use E-5481A

For Camshaft Repair Kit
use E-5501

I.D. TIP
• Upgrade to "ES II" with "ES II" Cam and "ES II" Kit.

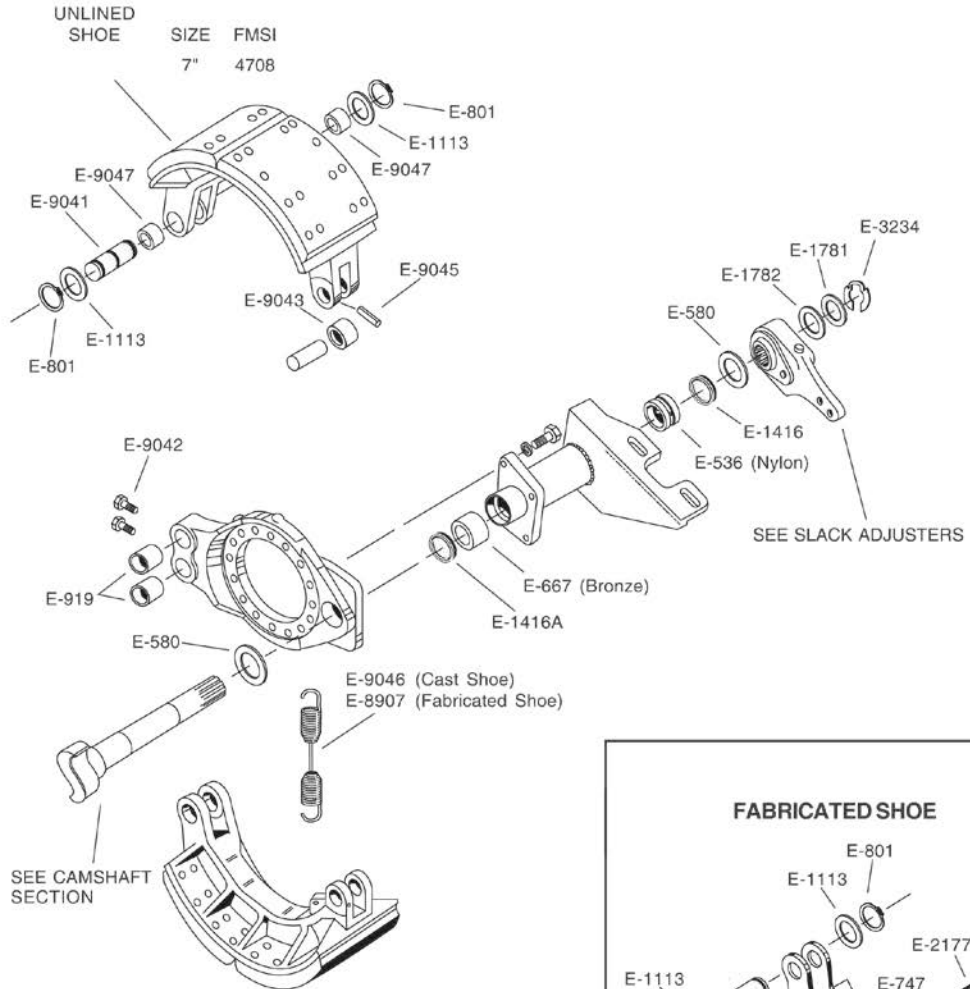
EATON 16-1/2" DIAMETER ES EXTENDED SERVICE BRAKES

Brake and
Wheel End

BRAKE HARDWARE

SEVERE SERVICE CAST AND FABRICATED TRUCK AND TRACTOR BRAKE

PART NO.	PAGE NO.
E-536	2-79
E-539	1-110
E-580	2-86
E-667	2-53
E-747	1-119
E-801	1-108
E-919	1-113
E-1113	1-111
E-1416	2-84
E-1416A	2-84
E-1781	2-86
E-1782	2-86
E-2125-2	2-55
E-2177	1-101
E-3234	2-89
E-5478	1-110
E-8907	1-116
E-9041	1-105
E-9042	1-110
E-9043	1-102
E-9045	1-110
E-9046	1-116
E-9047	1-112
E-9048	1-85
E-9052	1-86



For Brake Repair Kit
use
E-9048 (Cast Shoes)
E-9052 (Fabricated Shoes)

For Camshaft Repair Kit
use E-2125-2

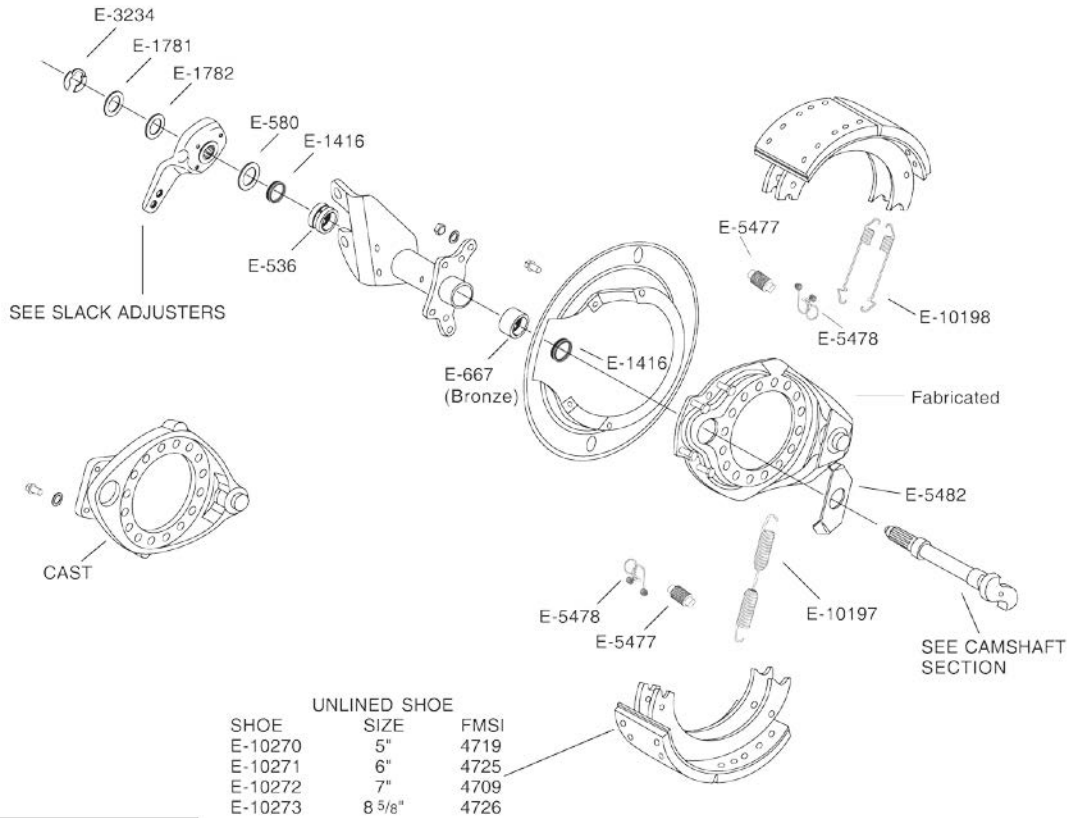
- Non Interchangeable with Meritor 16 1/2" design shoes.

EATON 16-1/2" DIAMETER ES II EXTENDED SERVICE BRAKES

BRAKE HARDWARE

TRUCK & TRACTOR BRAKE

PART NO.	PAGE NO.
E-536	2-79
E-580	2-86
E-667	2-53
E-801	1-108
E-1416	2-84
E-1781	2-86
E-1782	2-86
E-3234	2-89
E-5477	1-101
E-5478	1-110
E-5482	2-87
E-9037	1-115
E-10197	1-117
E-10198	1-118
E-10244	1-86
E-10270	1-125
E-10271	1-125
E-10272	1-125
E-10273	1-125
E-10760	1-87
E-10761	1-109
E-10897	2-53

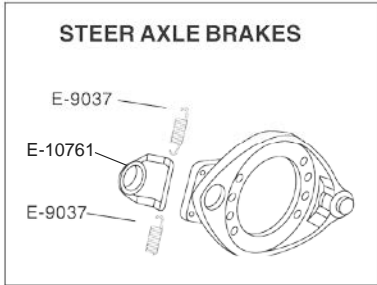


For Brake Repair Kit
use
E-10244 (Drive Axle)
E-10760 (Steer Axle)

For Camshaft Repair Kit
use E-10897

I.D. TIP

- E-10198 Retainer Springs are unique to the ES II design.
- E-10760 and E-10761 used on 14.5k and above axles.



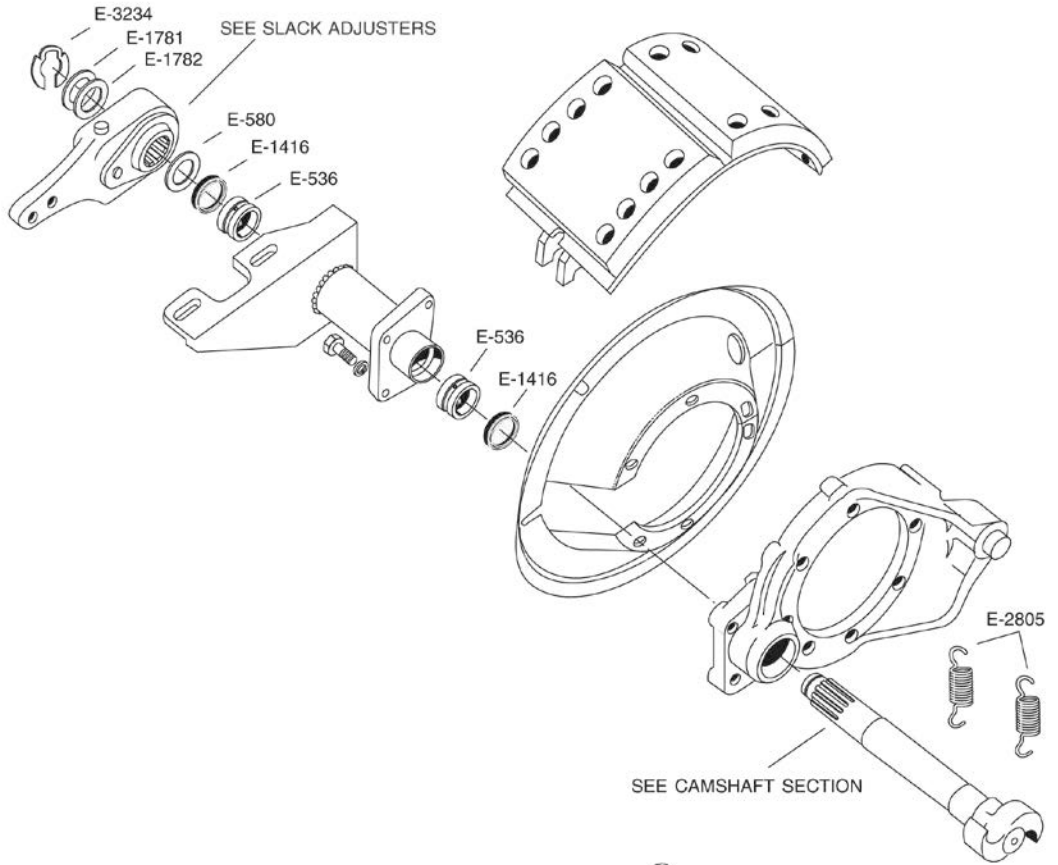
EATON 18" DIAMETER SELF-CONTAINED TRACTOR BRAKES

Brake and
Wheel End

BRAKE HARDWARE

HEAVY-DUTY SERIES BRAKE WITH CAST BRAKE SHOES

PART NO.	PAGE NO.
E-536	2-79
E-580	2-86
E-1416	2-84
E-1781	2-86
E-1782	2-86
E-2125-2	2-55
E-2801	1-126
E-2802	1-102
E-2803	1-103
E-2804	1-117
E-2805	1-118
E-2821	1-98
E-3234	2-89



For Brake Repair Kit
use
E-2821

For Camshaft Repair Kit
use
E-2125-2

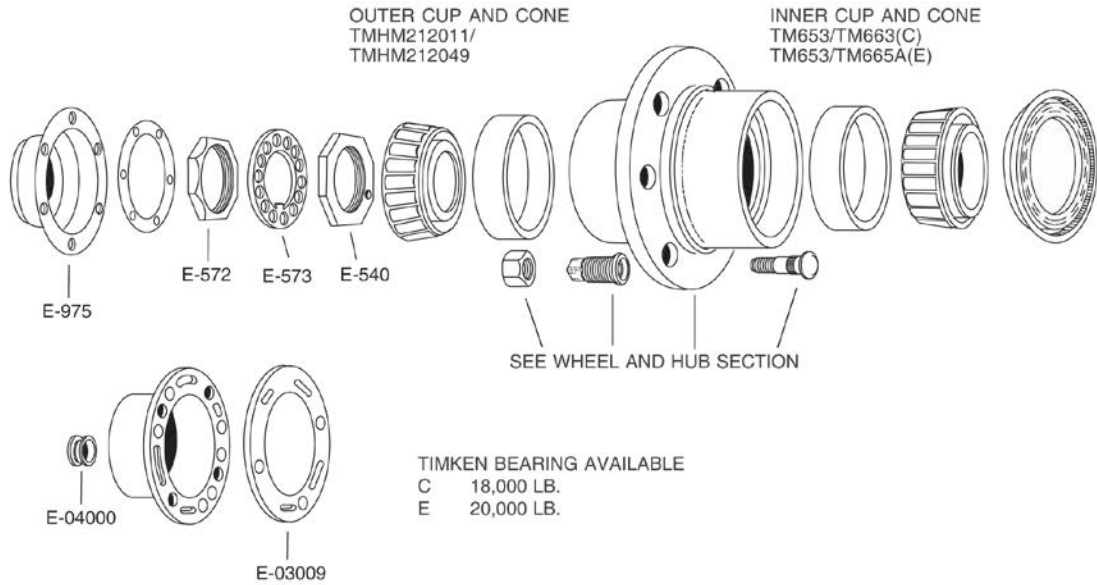
I.D. TIP

- Lining is typically bonded & bolted to table.

UNLINED
SHOE SIZE FMSI
E-2801 7" 4527B

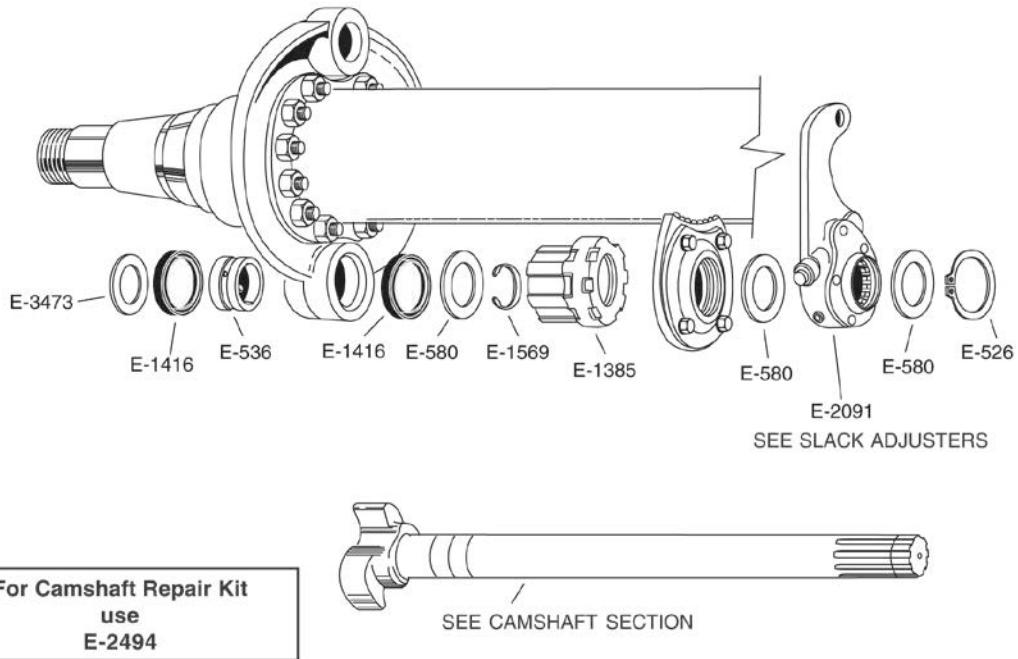
HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-03009	6-56
E-04000	6-56
E-540	6-37
E-572	6-37
E-573	6-40
E-975	6-56



CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-580	2-86
E-1385	2-80
E-1416	2-84
E-1569	2-89
E-2091	3-3
E-2494	2-52
E-2695	2-80
E-3473	2-87

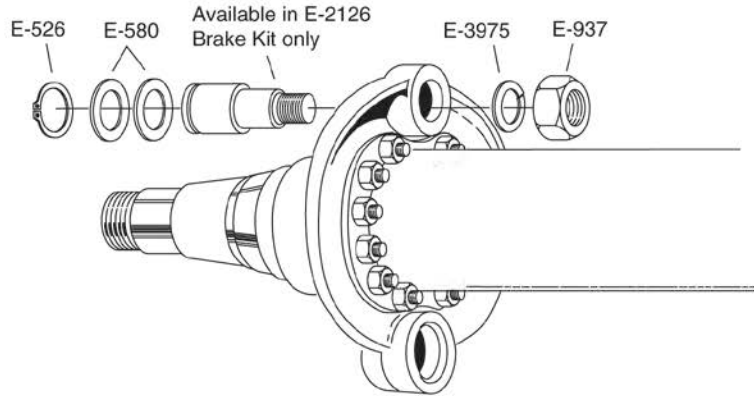


SERIES TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES

Brake and
Wheel End

ANCHOR PIN VARIATIONS

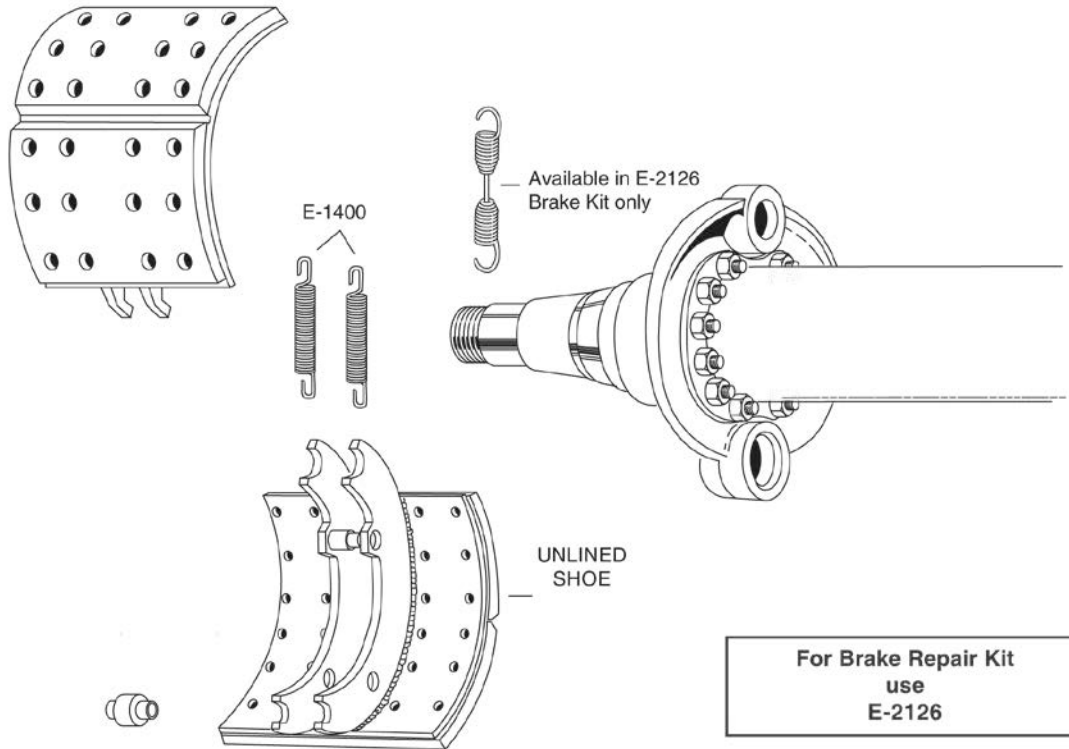
PART NO.	PAGE NO.
E-526	2-89
E-580	2-86
E-937	1-109
E-2126	1-75
E-3975	1-111



For Brake Repair Kit
use
E-2126

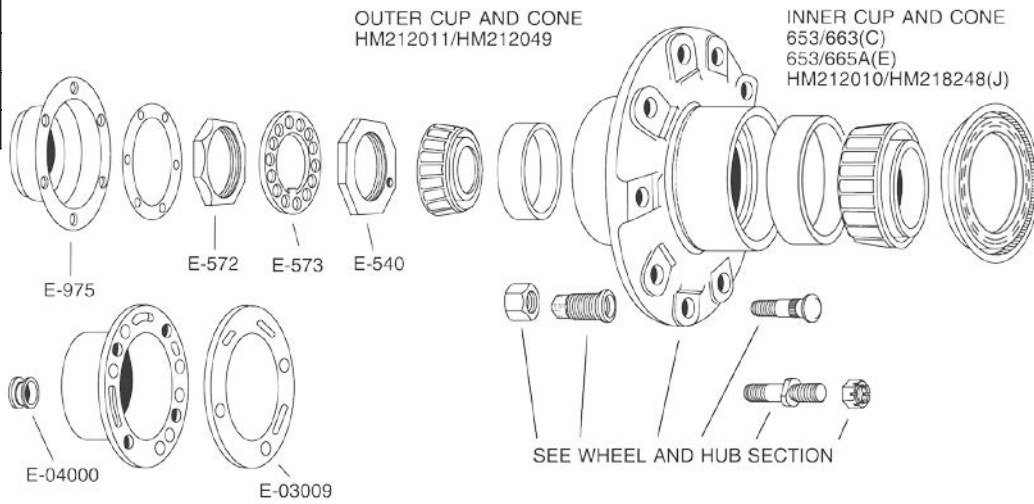
SHOES, ROLLERS & SPRINGS

PART NO.	PAGE NO.
E-1400	1-114
E-2126	1-75



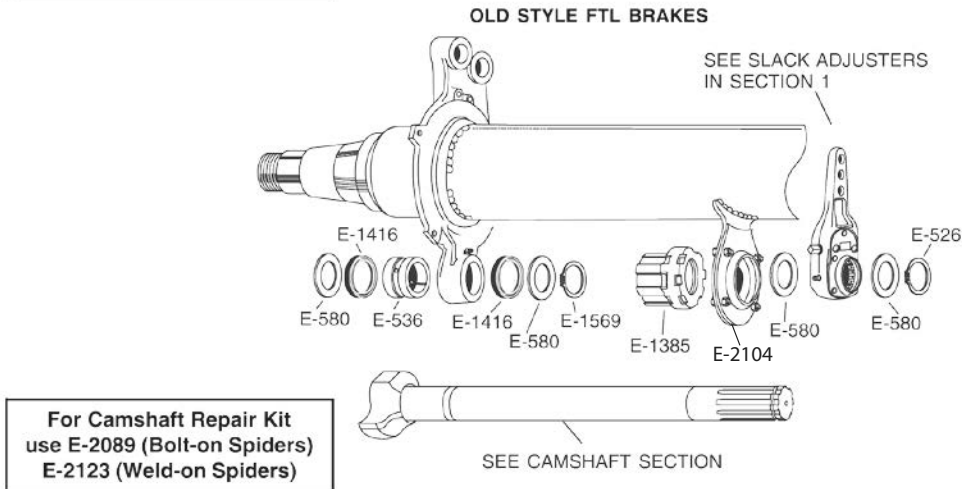
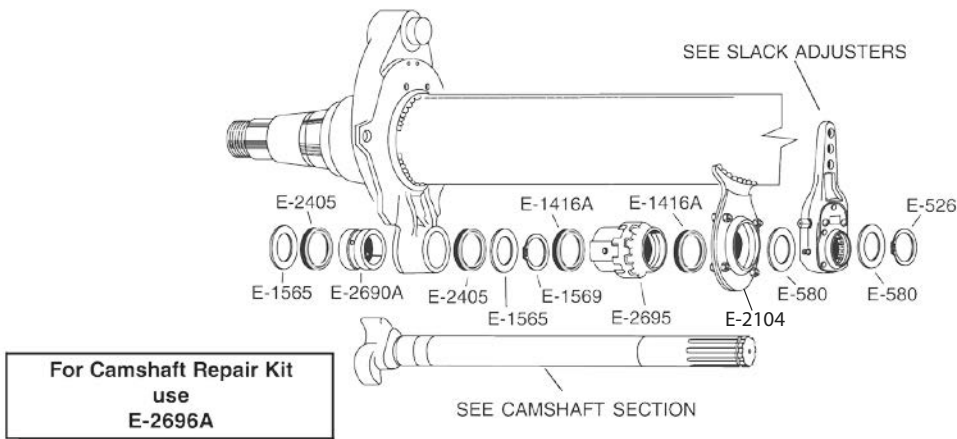
HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-03009	6-56
E-04000	6-56
E-540	6-37
E-572	6-37
E-573	6-40
E-975	6-56



CAMSHAFT, BUSHINGS & BRACKET PARTS - 501 SERIES CAMSHAFT PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-580	2-86
E-1385	2-80
E-1416	2-84
E-1416A	2-84
E-1565	2-87
E-1569	2-89
E-2089	2-61
E-2104	2-73
E-2123	2-62
E-2405	2-85
E-2690A	2-81
E-2695	2-80
E-2696A	2-65



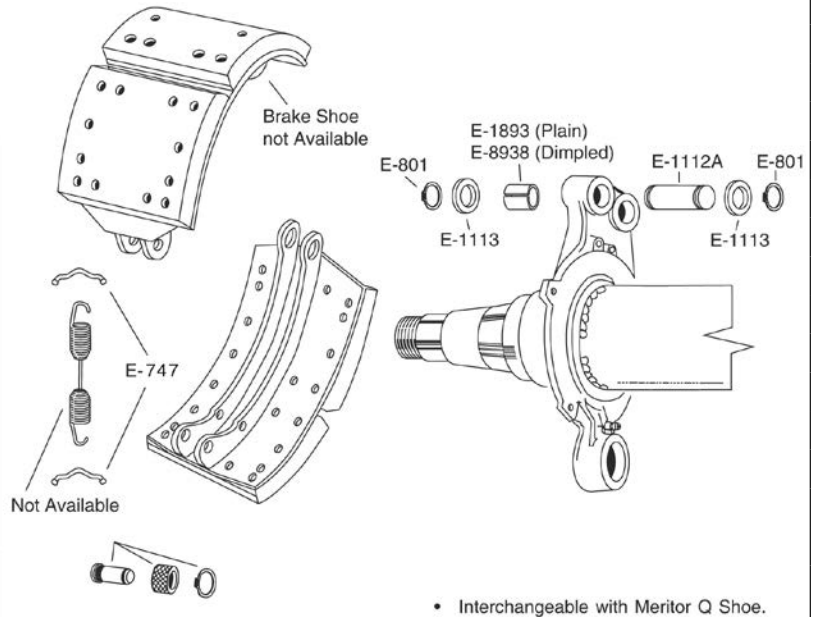
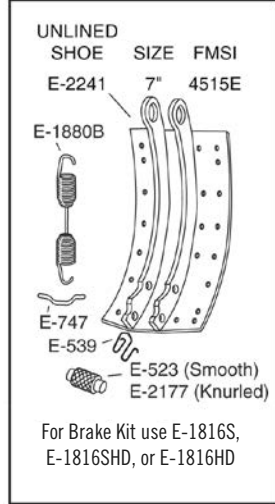
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

Brake and
Wheel End

BRAKE HARDWARE

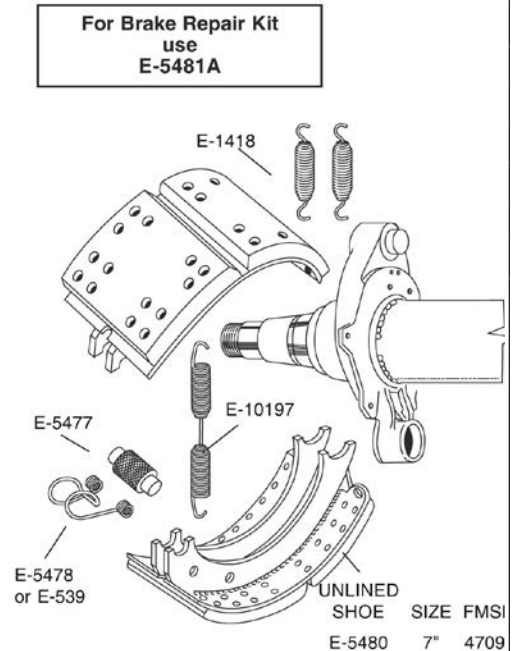
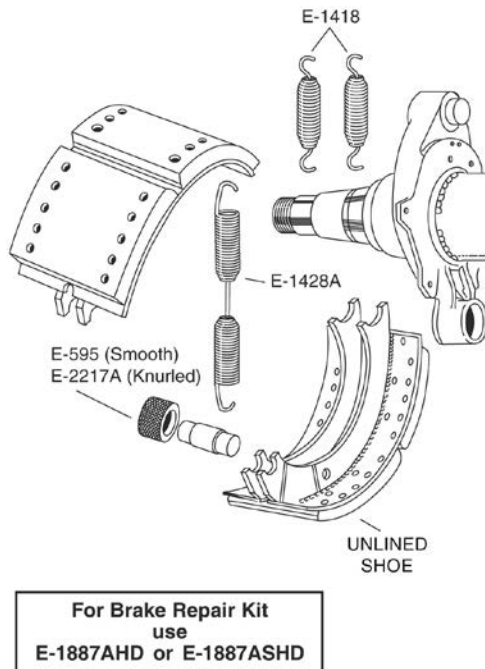
FTL SERIES DOUBLE ANCHOR PIN

PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-747	1-119
E-801	1-108
E-1112A	1-104
E-1113	1-111
E-1816S	1-97
E-1816SHD	1-97
E-1816SHD	1-97
E-1880B	1-116
E-1893	1-113
E-2177	1-101
E-8938	1-113



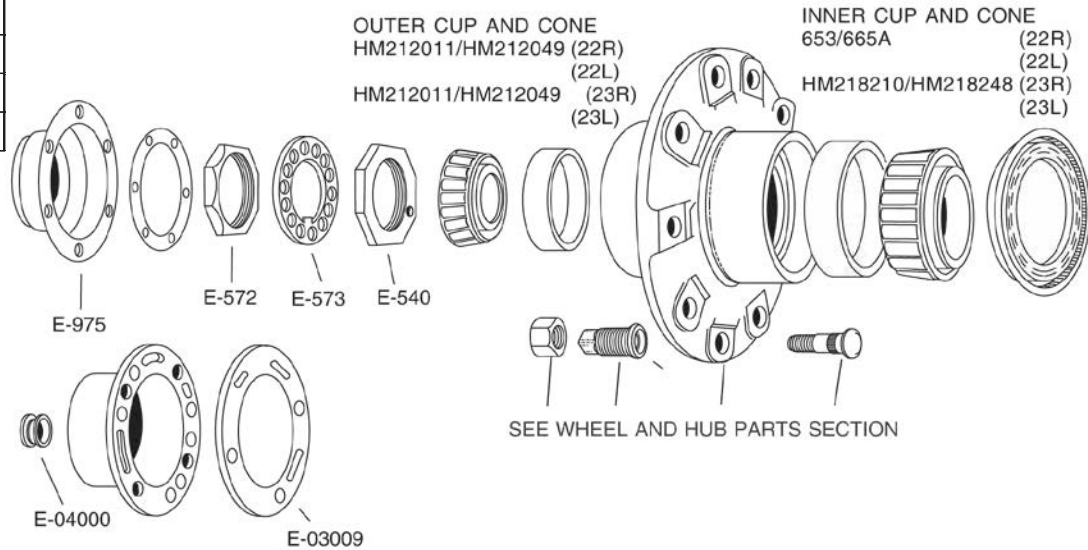
501 SERIES SINGLE ANCHOR PIN - ES EXTENDED SERVICE

PART NO.	PAGE NO.
E-539	1-110
E-595	1-102
E-1418	1-118
E-1428A	1-117
E-1887AHD	1-87
E-1887ASHD	1-87
E-2217A	1-102
E-5477	1-101
E-5478	1-110
E-5481A	1-85
E-10197	1-117



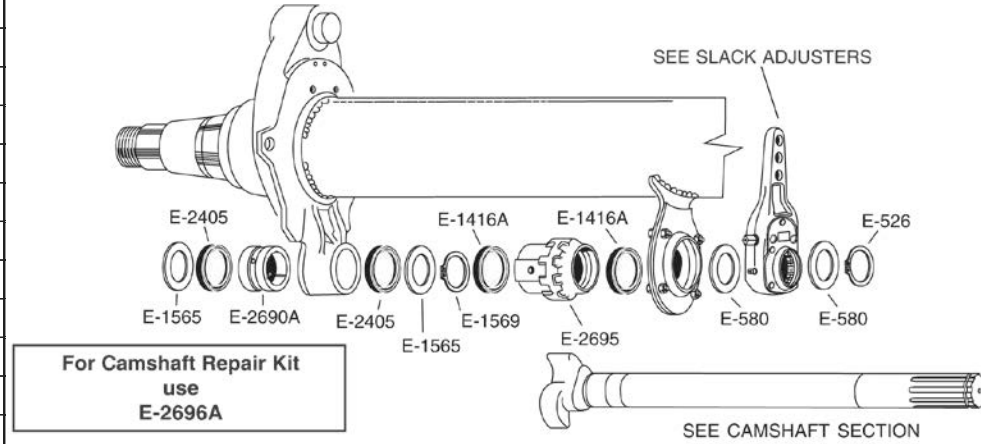
HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-03009	6-56
E-04000	6-56
E-540	6-37
E-572	6-37
E-573	6-40
E-975	6-56



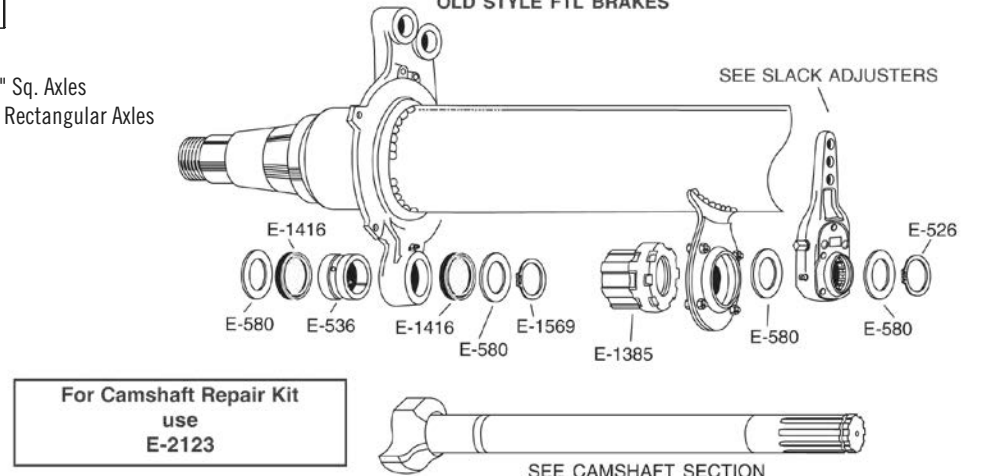
CAMSHAFT, BUSHINGS & BRACKET PARTS - 501 SERIES CAMSHAFT PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-580	2-86
E-1385	2-80
E-1416	2-84
E-1416A	2-84
E-1565	2-87
E-1569	2-89
E-2123	2-62
E-2405	2-85
E-2690A	2-81
E-2695	2-80
E-2696A	2-65



OLD STYLE FTL BRAKES

Note: R Axles are 5" x 5" Sq. Axles
L Axles are 4" x 6" Rectangular Axles



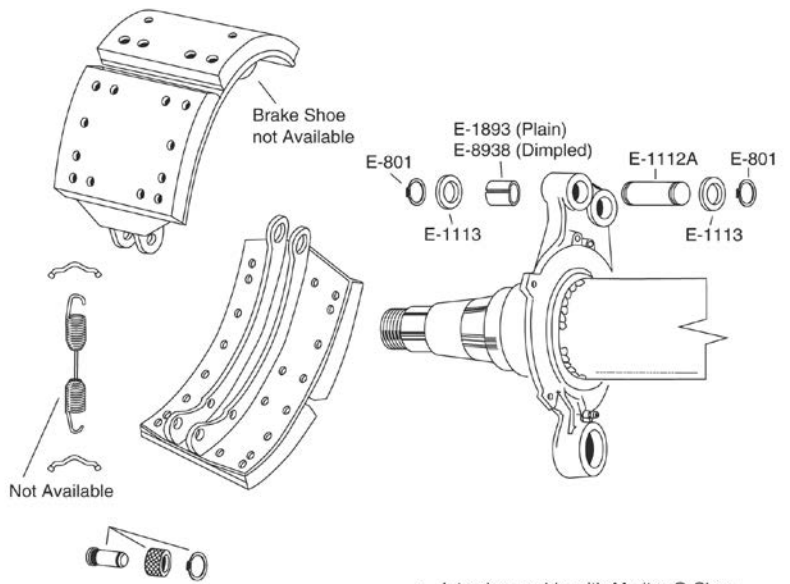
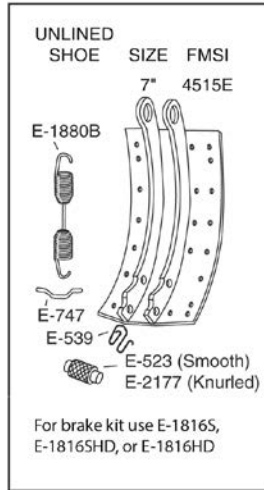
SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

Brake and
Wheel End

BRAKE HARDWARE

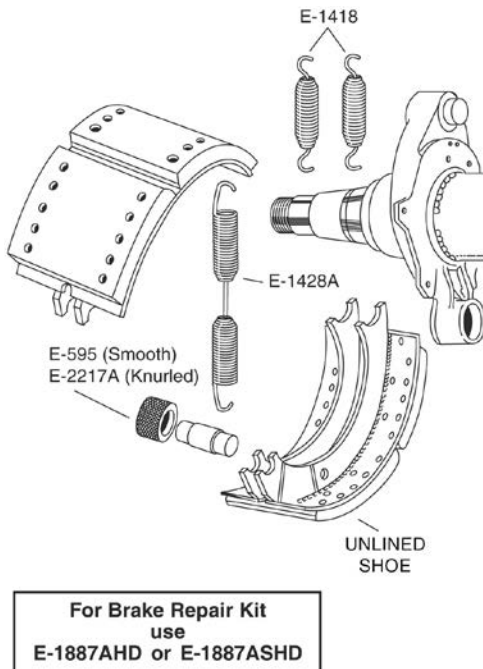
FTL SERIES DOUBLE ANCHOR PIN

PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-747	1-119
E-801	1-108
E-1112A	1-104
E-1113	1-111
E-1880B	1-116
E-1893	1-113
E-2177	1-101
E-8938	1-113

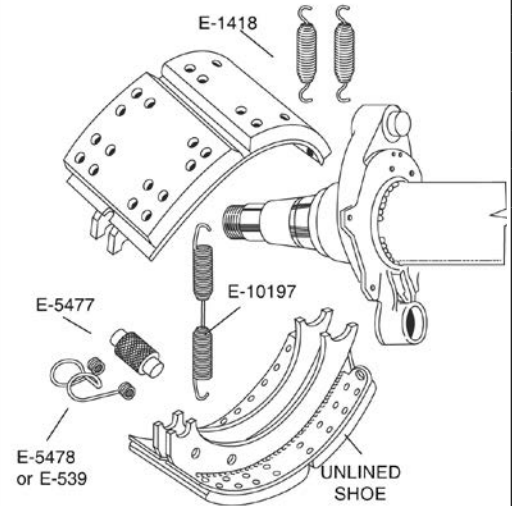


501 SERIES SINGLE ANCHOR PIN - ES EXTENDED SERVICE

PART NO.	PAGE NO.
E-539	1-110
E-595	1-102
E-1418	1-118
E-1428A	1-117
E-1887AHD	1-87
E-1887ASHD	1-87
E-2217A	1-102
E-5477	1-101
E-5478	1-110
E-5481A	1-85
E-10197	1-117



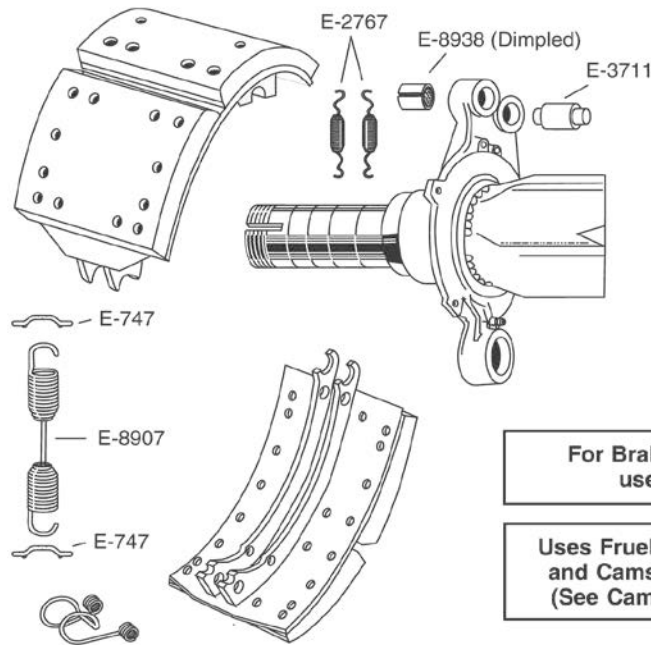
For Brake Repair Kit
use
E-5481A



EATON TOP SPEC ES RETROFIT FOR FRUEHAUF 16-1/2" DIAMETER XEM BRAKES

XEM BRAKES

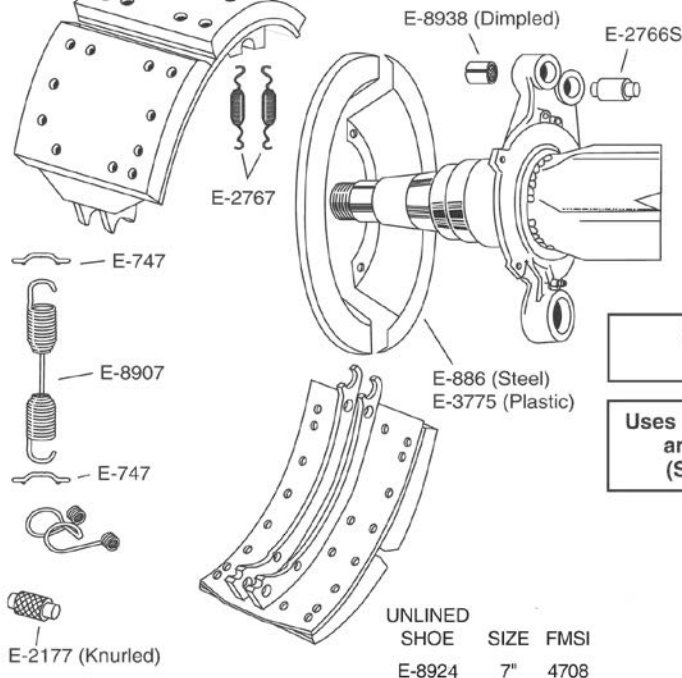
PART NO.	PAGE NO.
E-747	1-119
E-2177	1-101
E-2767	1-118
E-3711	1-104
E-8907	1-116
E-8923	1-88
E-8938	1-113



EATON TOP SPEC ES RETROFIT FOR MERITOR 16-1/2" DIAMETER Q BRAKES

Q BRAKES

PART NO.	PAGE NO.
E-747	1-119
E-886	1-129
E-2177	1-101
E-2766S	1-104
E-2767	1-118
E-3775	1-129
E-8907	1-116
E-8924	1-125
E-8925	1-88
E-8938	1-113



PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES

Brake and
Wheel End

BRAKE HARDWARE

HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-04000	6-56
E-04975	6-56
E-04975H	6-56
E-05500	6-56
E-1559	6-36
E-1561	6-36

70 lb. Torque Spec.
E-05500
"O" Ring

E-04000

E-04975
E-04975H
(For Hubodometer)

E-1559

E-2550

E-1561

OUTER CUP AND CONE
HM518410/HM518445

INNER CUP AND CONE
HM518410/HM518445

SEE WHEEL AND HUB PARTS SECTION

I.D. TIP

- With Meritor Axle use E-04000V vented plug.

CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-580	2-86
E-1565	2-87
E-1567	2-81
E-1569	2-89
E-1577A	2-81
E-2090	2-61
E-4587	2-76
E-4593	2-76

I.D. TIP

- Fruehauf 3" Center-to-Center

SEE SLACK ADJUSTERS

Available in E-4593 only

3" Center-to-Center

E-1565

E-1567

E-1567

E-1565

E-1569

E-1577A

E-4587

E-1565

E-580

E-526

A For Camshaft Support Bracket Assembly use E-4593

For Camshaft Repair Kit use E-2090

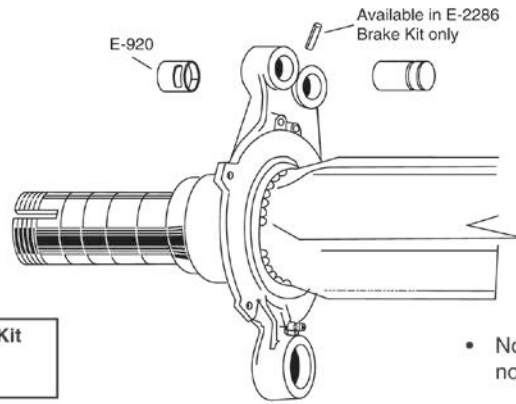
SEE CAMSHAFT SECTION

PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 12-1/4" DIAMETER BRAKES

BRAKE HARDWARE

ANCHOR PIN HARDWARE

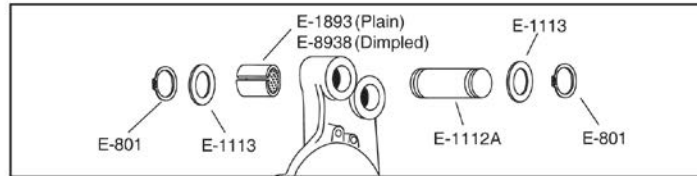
PART NO.	PAGE NO.
E-801	1-108
E-920	1-113
E-1112A	1-104
E-1113	1-111
E-1893	1-113
E-2286	1-75
E-8938	1-113



For Brake Repair Kit
use
E-2286

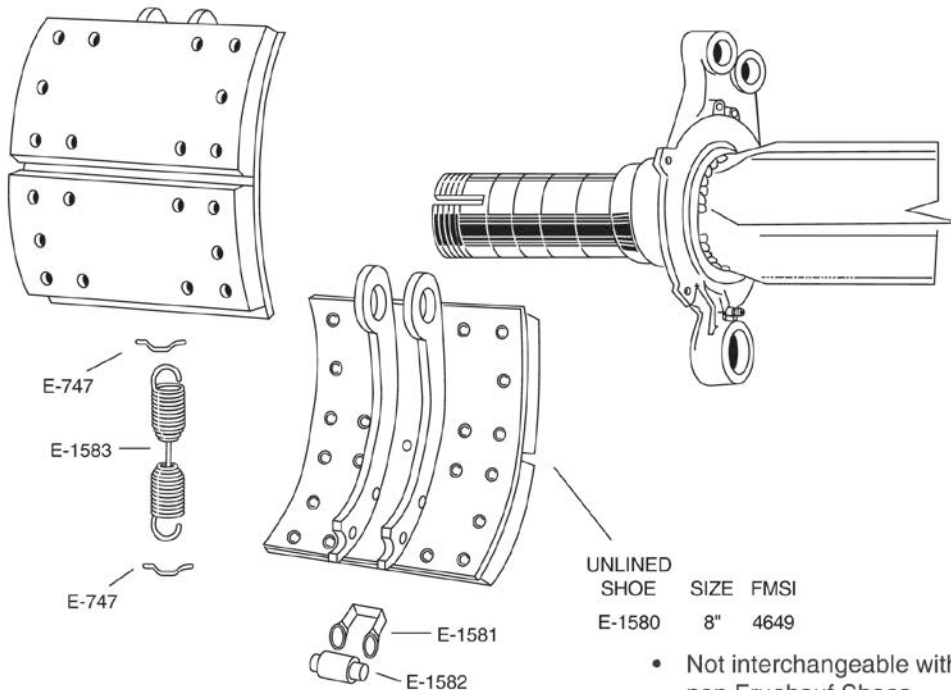
- Not interchangeable with non Fruehauf Shoes

ALTERNATE ANCHOR PIN HARDWARE



SHOES, ROLLER & SPRING

PART NO.	PAGE NO.
E-747	1-119
E-1580	1-123
E-1581	1-110
E-1582	1-101
E-1583	1-114



- Not interchangeable with non Fruehauf Shoes

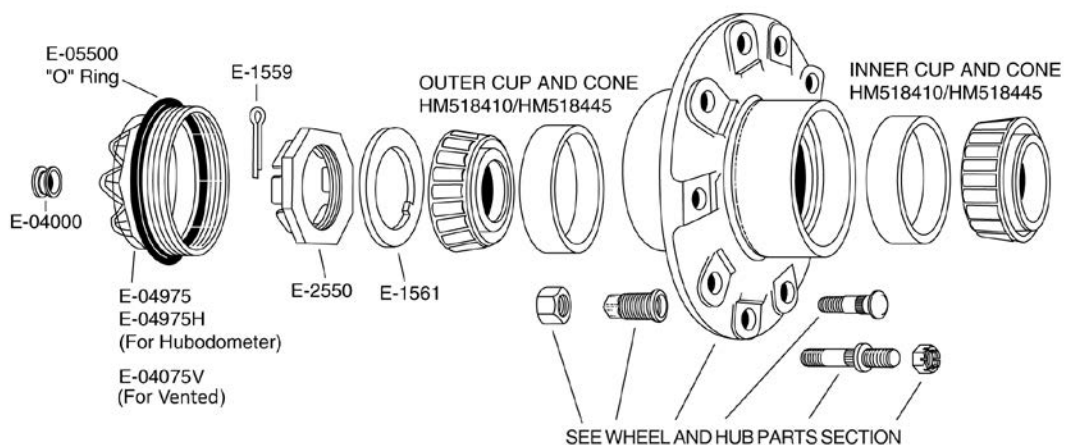
PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

Brake and
Wheel End

BRAKE HARDWARE

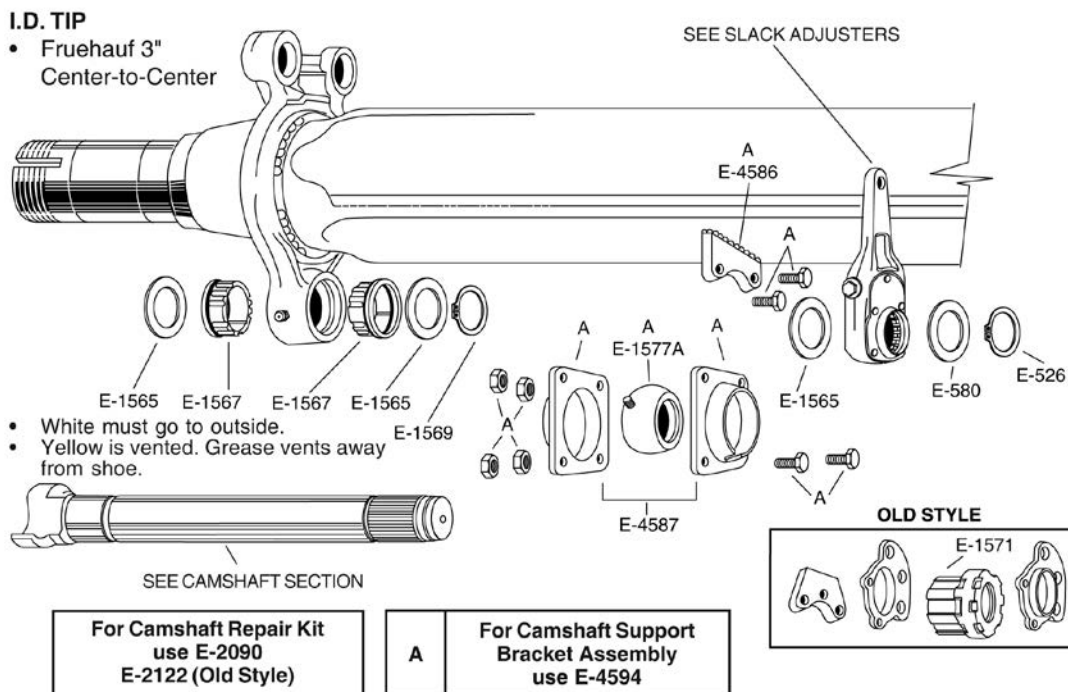
HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-04000	6-56
E-04975	6-56
E-04975H	6-56
E-05500	6-56
E-1559	6-36
E-1561	6-36
E-2550	6-36



CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-580	2-86
E-1565	2-87
E-1567	2-81
E-1569	2-89
E-1571	2-81
E-1577A	2-81
E-2090	2-61
E-2122	2-62
E-4586	2-76
E-4587	2-76
E-4594	2-76



Note: 5" Sq. Axle

For old style cut-off old style bracket and weld on E-4586 bracket shown

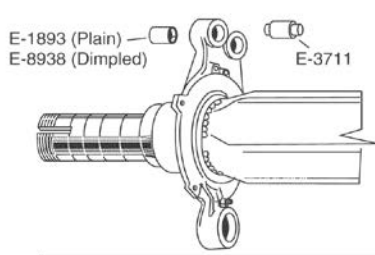
PARTS FOR FRUEHAUF PRO-PAR® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

BRAKE HARDWARE

ANCHOR PIN HARDWARE

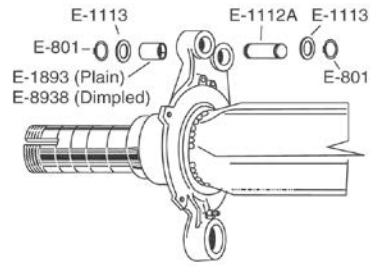
PART NO.	PAGE NO.
E-801	1-108
E-920	1-113
E-1112A	1-104
E-1113	1-111
E-1816HD	1-97
E-1816S	1-97
E-1816SHD	1-97
E-1893	1-113
E-2121	1-88
E-2121HD	1-89
E-2778	1-126
E-3710HD	1-89
E-3710SHD	1-90
E-3711	1-104
E-3895S	1-96
E-3895SHD	1-96
E-8938	1-113
E-9061	1-104
E-9142	1-91

NEW "XEM" ANCHOR PIN HARDWARE



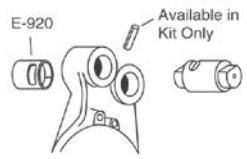
For Brake Repair Kit use E-3710HD, E-3710S, E-3710SHD, E-3895S, E-3895SHD

STD. ANCHOR PIN HARDWARE

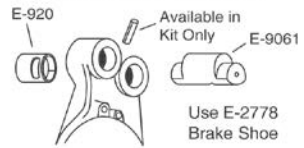


For Brake Repair Kit use E-1816HD, E-1816S, E-1816SHD

OLD STYLE "XEM" BRAKE

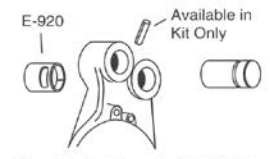


ECCENTRIC ANCHOR PIN BRAKE



Use Brake Repair Kit E-9142

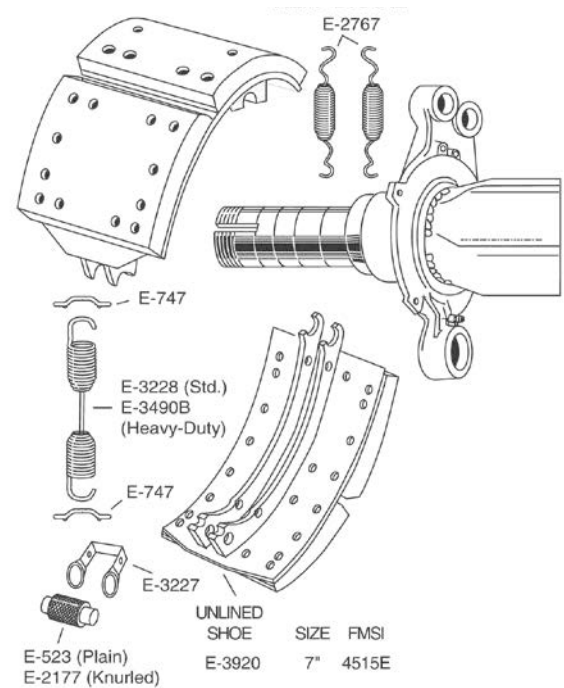
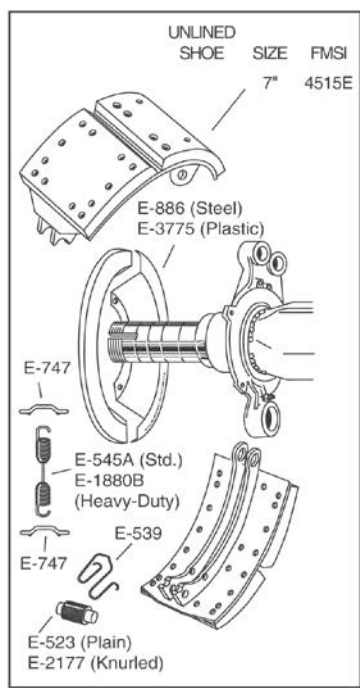
OLD STYLE ANCHOR PIN BRAKE



Use Brake Repair Kit KIT-5, E-2121 or E-2121HD

SHOES, ROLLERS, SPRING & DUST SHIELD

PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-545A	1-116
E-747	1-119
E-886	1-129
E-1880B	1-116
E-2177	1-101
E-2767	1-118
E-3227	1-110
E-3228	1-116
E-3490B	1-116
E-3775	1-129
E-3920	1-125



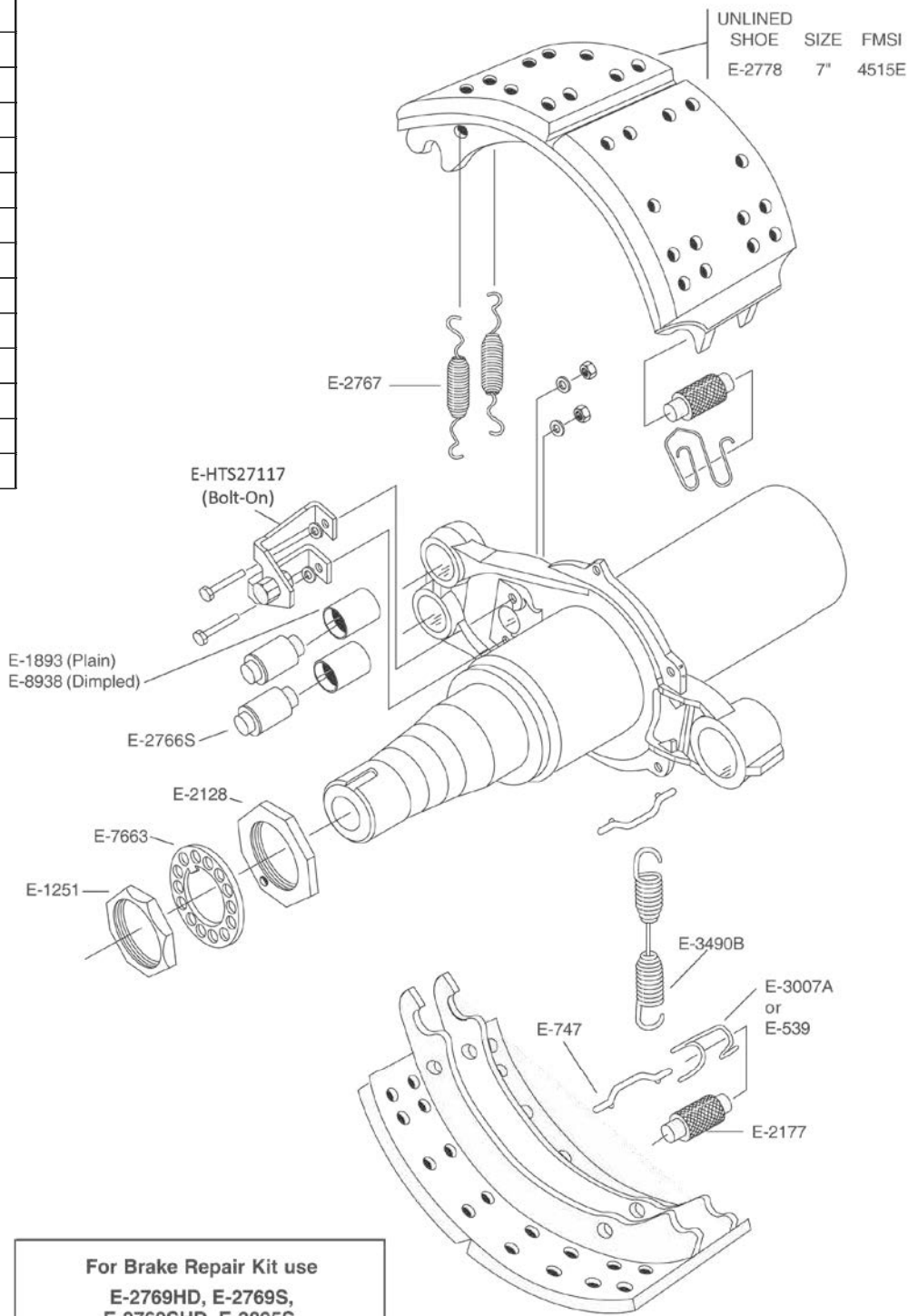
PARTS FOR HENDRICKSON INTRAAX® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

Brake and
Wheel End

BRAKE HARDWARE

BRAKE COMPONENTS

PART NO.	PAGE NO.
E-539	1-110
E-747	1-119
E-1893	1-113
E-2128	6-37
E-2177	1-101
E-2766S	1-104
E-2767	1-118
E-2769HD	1-92
E-2769S	1-92
E-2769SHD	1-92
E-2778	1-126
E-3007A	1-110
E-3490B	1-116
E-3895S	1-96
E-3895SHD	1-96
E-7663	6-38
E-8938	1-113



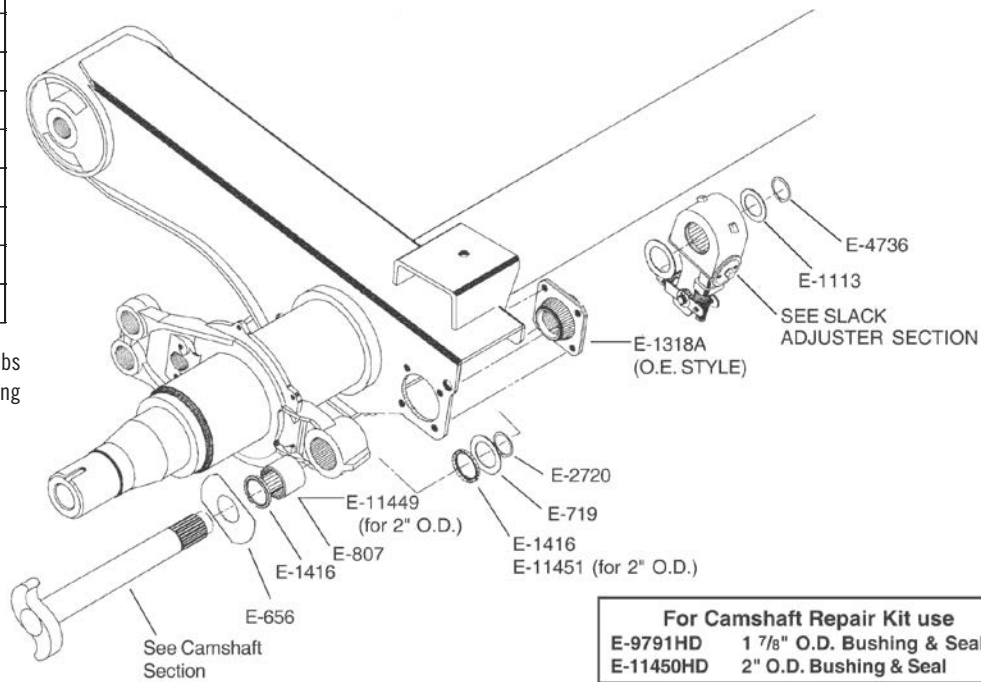
For Brake Repair Kit use
E-2769HD, E-2769S,
E-2769SHD, E-3895S,
E-3895SHD

PARTS FOR HENDRICKSON INTRAAX® TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

BRAKE HARDWARE

CAMSHAFT, BUSHINGS & BRACKET PARTS - OLD STYLE, EXPOSED CAM

PART NO.	PAGE NO.
E-656	2-88
E-719	2-87
E-807	2-79
E-1113	1-111
E-1318A	2-75
E-1416	2-84
E-2720	2-89
E-4736	2-89
E-9791HD	2-72
E-11449	2-80
E-11450HD	2-58
E-11451	2-84

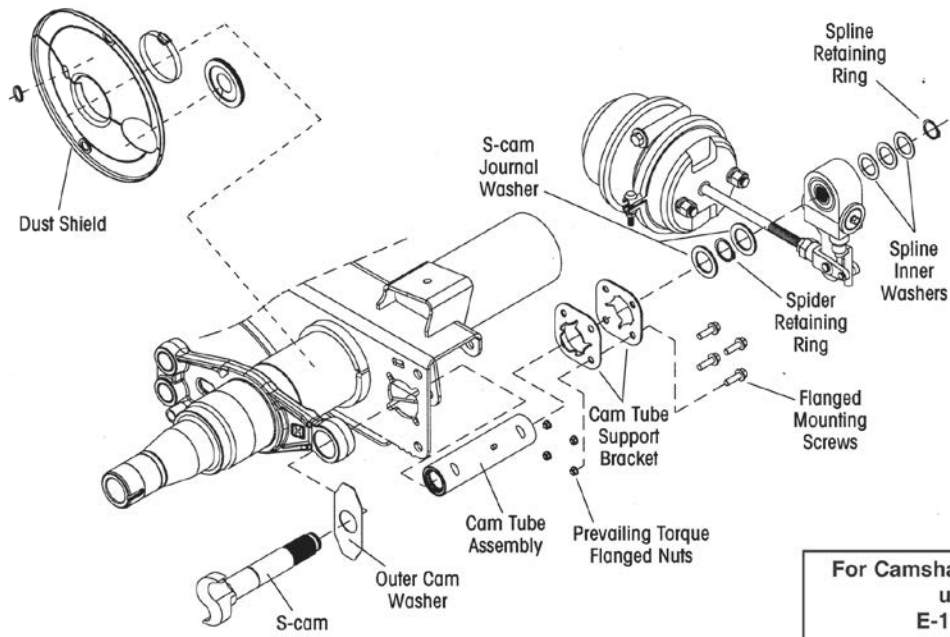


Note: Bend over washer tabs to stop washer from rotating

For Camshaft Repair Kit use	
E-9791HD	1 7/8" O.D. Bushing & Seal
E-11450HD	2" O.D. Bushing & Seal

CAMSHAFT, BUSHINGS & BRACKET PARTS - NEW STYLE, ENCLOSED CAM TUBE

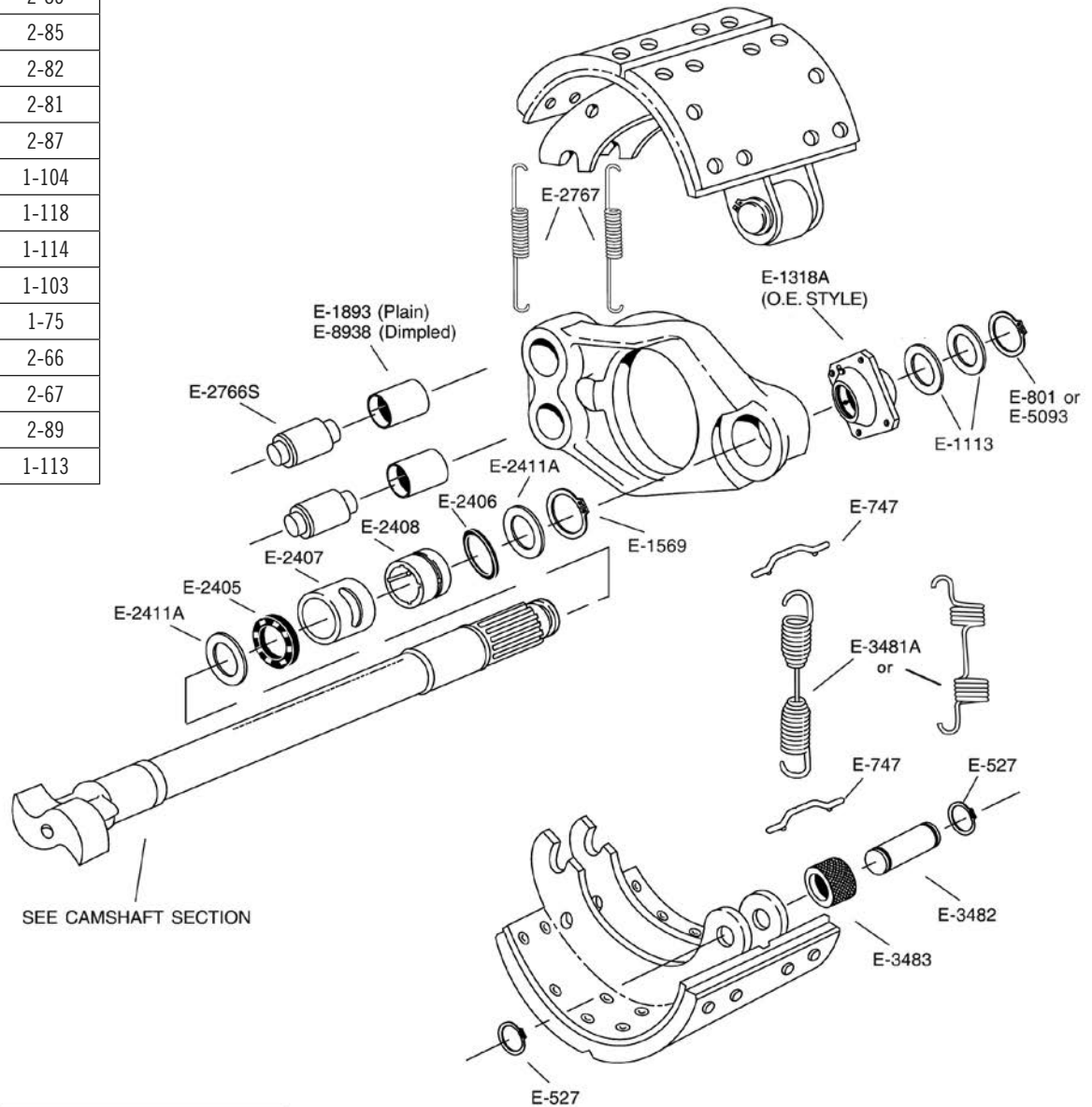
PART NO.	PAGE NO.
E-11897	2-59



For Camshaft Repair Kit use	
E-11897	

TRAILER AXLE BRAKE

PART NO.	PAGE NO.
E-527	1-107
E-747	1-119
E-801	1-108
E-1113	1-111
E-1318A	2-75
E-1569	2-89
E-1893	1-113
E-2405	2-85
E-2406	2-85
E-2407	2-82
E-2408	2-81
E-2411A	2-87
E-2766S	1-104
E-2767	1-118
E-3481A	1-114
E-3482	1-103
E-3484	1-75
E-3520A	2-66
E-3520AHD	2-67
E-5093	2-89
E-8938	1-113



For Brake Repair Kit use E-3484

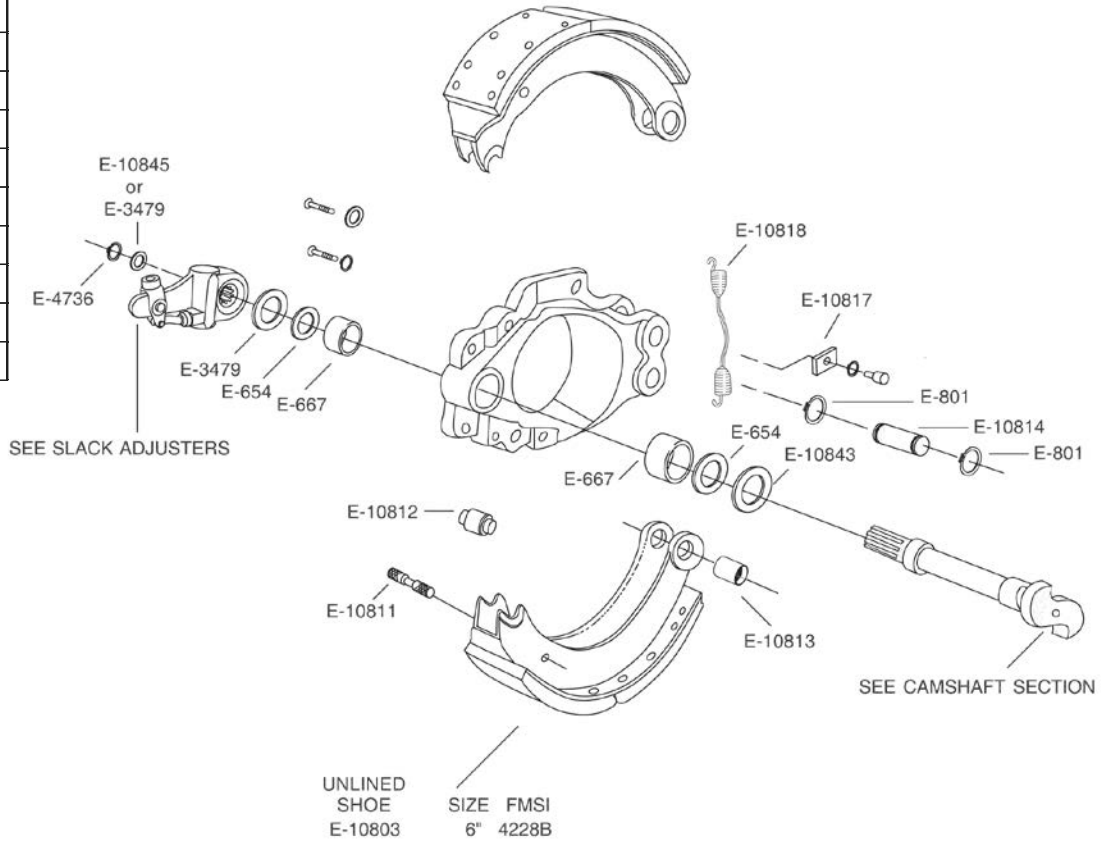
For Camshaft Repair Kit use E-3520AHD (with Improved E-1318AHD) E-3520A (with O.E. Style E-1318A)

Note on E-3484
E-3481A applies to brake spiders on trailer axles made before August 2019

New style applies to brake spider on trailer axles made after August 2019

STEER AXLE BRAKE

PART NO.	PAGE NO.
E-654	2-85
E-667	2-53
E-801	1-108
E-3479	2-87
E-4736	2-89
E-10803	1-124
E-10811	1-119
E-10812	1-101
E-10813	1-112
E-10814	1-105
E-10817	1-111
E-10818	1-114
E-10841-A	1-79
E-10843	2-88
E-10845	2-86
E-10846	2-53

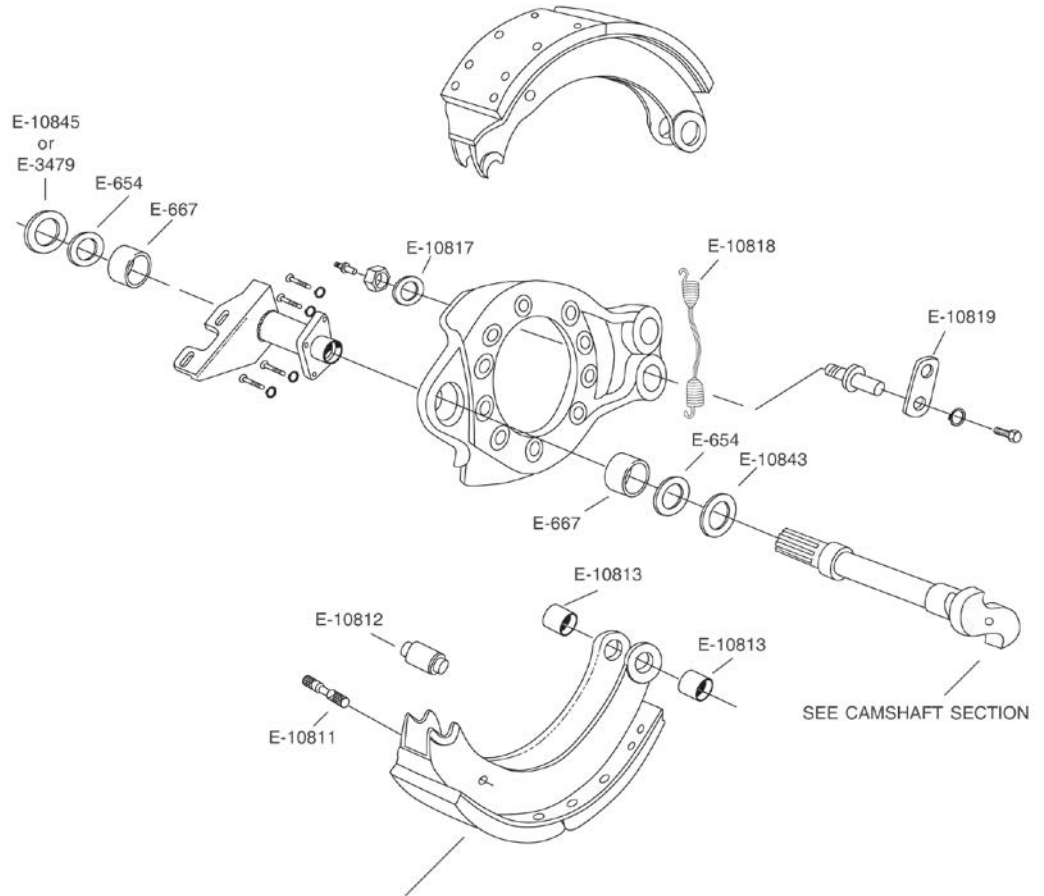


For Brake Repair Kit
use
E-10841-A

For Camshaft Repair Kit
use
E-10846

STEER AXLE COACH BRAKE

PART NO.	PAGE NO.
E-654	2-85
E-667	2-53
E-3479	2-87
E-4736	2-89
E-10804	1-124
E-10811	1-119
E-10812	1-101
E-10813	1-112
E-10814	1-105
E-10817	1-111
E-10818	1-114
E-10819	1-109
E-10843	2-88
E-10846	2-53
E-10866-A	1-79



UNLINED
SHOE SIZE FMSI
E-10804 5" 4398B

For Brake Repair Kit
use
E-10866A

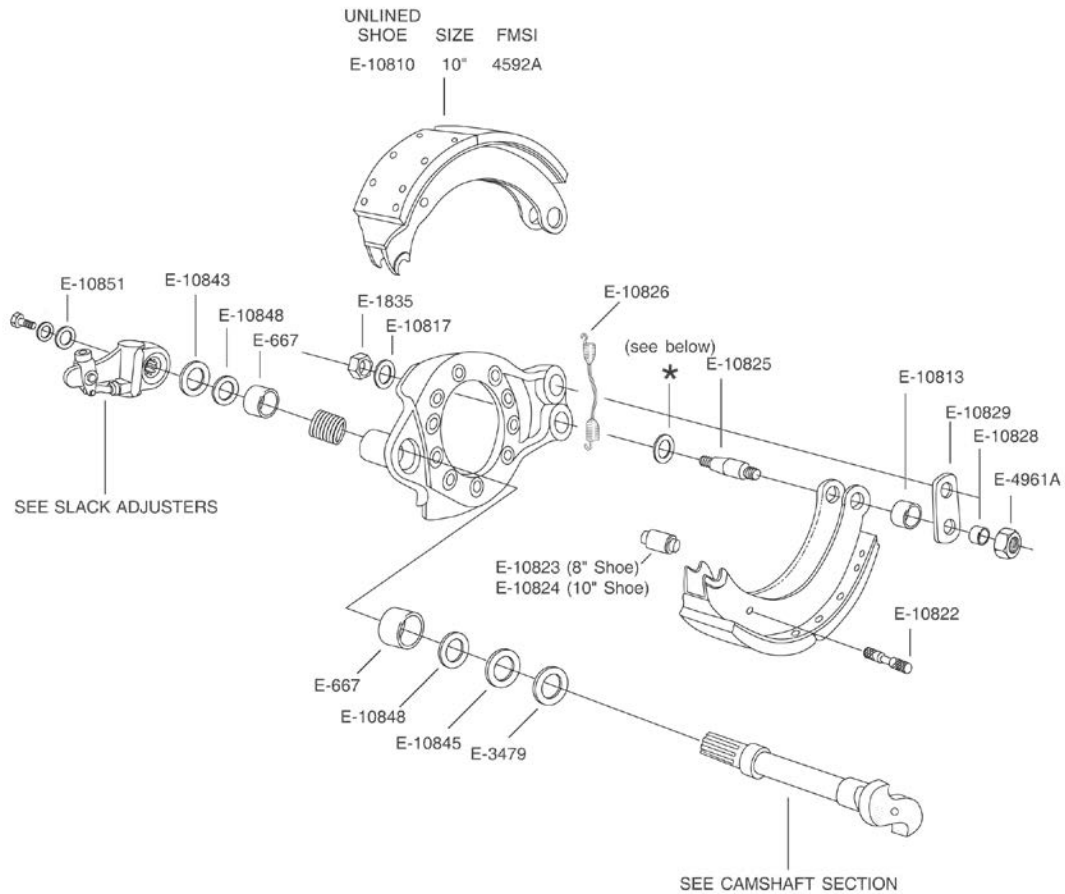
For Camshaft Repair Kit
use
E-10846

DRIVE AXLE COACH BRAKE - TYPE 1

PART NO.	PAGE NO.
E-667	2-53
E-1113	1-111
E-1835	6-5
E-3479	2-87
E-4961A	1-109
E-5095	2-86
E-10810	1-124
E-10813	1-112
E-10817	1-111
E-10822	1-119
E-10823	1-101
E-10824	1-101
E-10825	1-105
E-10826	1-114
E-10828	1-113
E-10829	1-109
E-10831	1-111
E-10832	1-111
E-10833	1-111
E-10843	2-88
E-10845	2-86
E-10848	2-85
E-10851	2-86
E-10867	1-78
E-10869	1-78

I.D. TIP

- Spring unique to Meritor
14 1/2" x 8" & 10" Brake



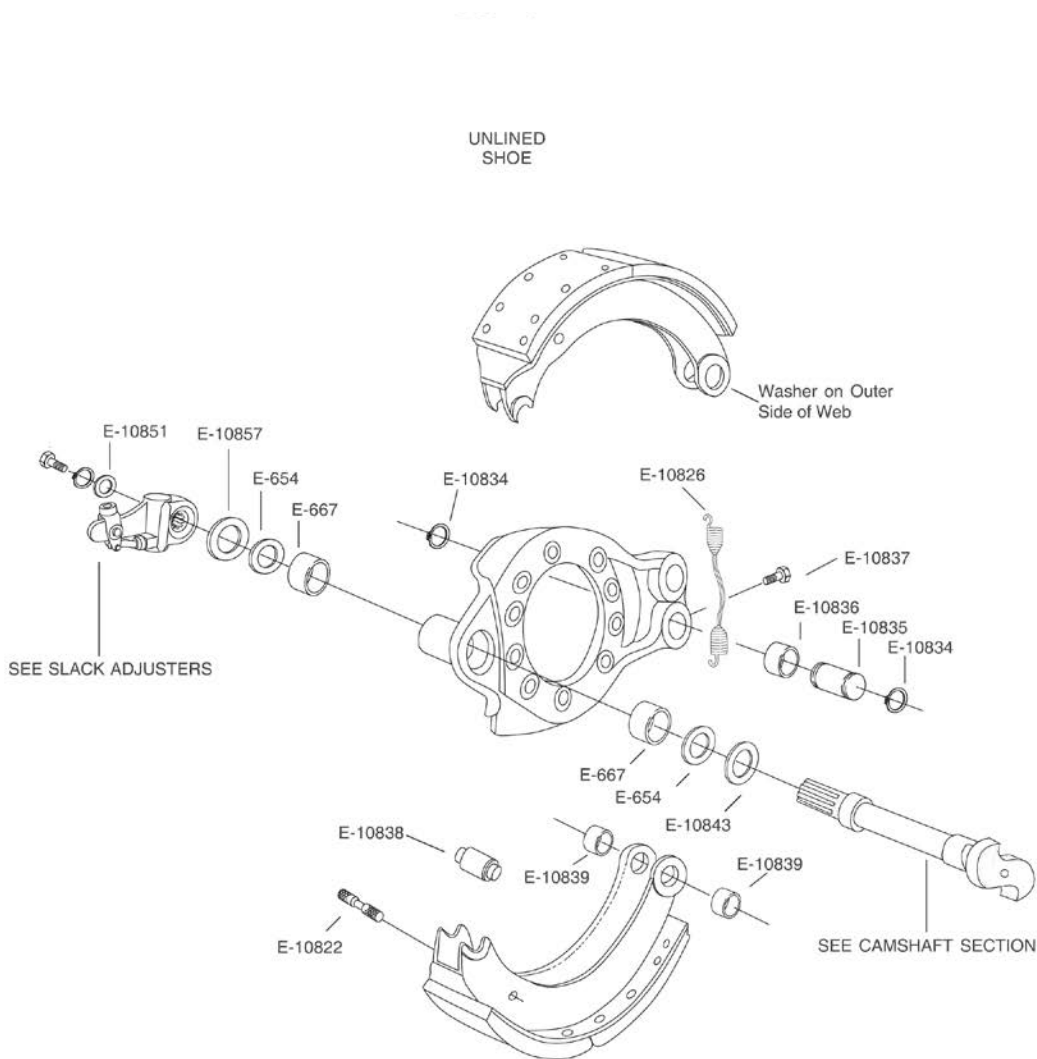
For Brake Repair Kit use
 8" Shoe E-10867
 10" Shoe E-10869

*PART NUMBERS	THICKNESS
E-5095	1/32"
E-1113	1/16"
E-10831	3/32"
E-10832	1/8"
E-10833	5/32"

* Not Sold Separately

DRIVE AXLE COACH BRAKE - TYPE 2

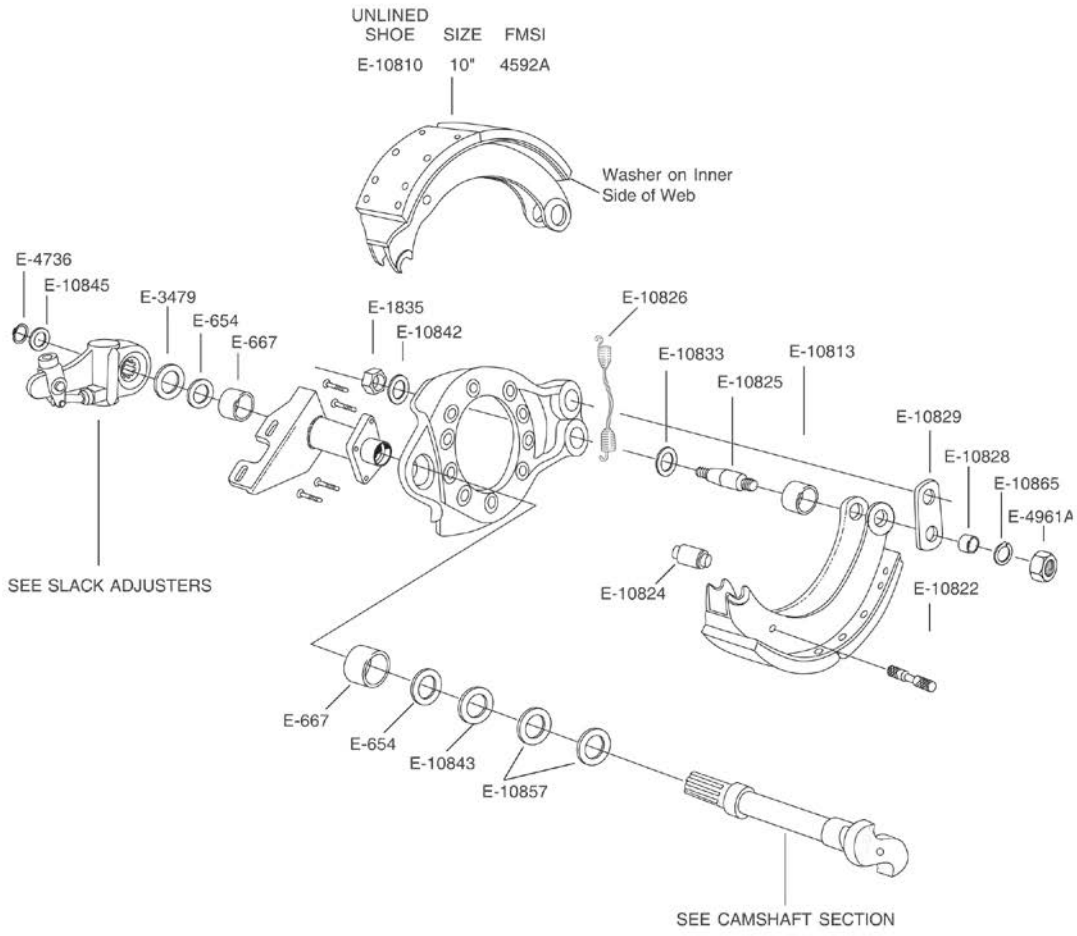
PART NO.	PAGE NO.
E-654	2-85
E-667	2-53
E-10822	1-119
E-10826	1-114
E-10834	1-108
E-10835	1-105
E-10836	1-113
E-10839	1-112
E-10843	2-88
E-10851	2-86
E-10857	2-88
E-10870	1-79



For Brake Repair Kit
use
E-10870

DRIVE AXLE COACH BRAKE - TYPE 3

PART NO.	PAGE NO.
E-654	2-85
E-667	2-53
E-1835	6-5
E-3479	2-87
E-4736	2-89
E-4961A	1-109
E-10810	1-124
E-10813	1-112
E-10822	1-119
E-10824	1-101
E-10825	1-105
E-10826	1-114
E-10828	1-113
E-10829	1-109
E-10833	1-111
E-10842	1-111
E-10843	2-88
E-10845	2-86
E-10857	2-88
E-10865	1-111
E-10869	1-78
E-10872	2-53

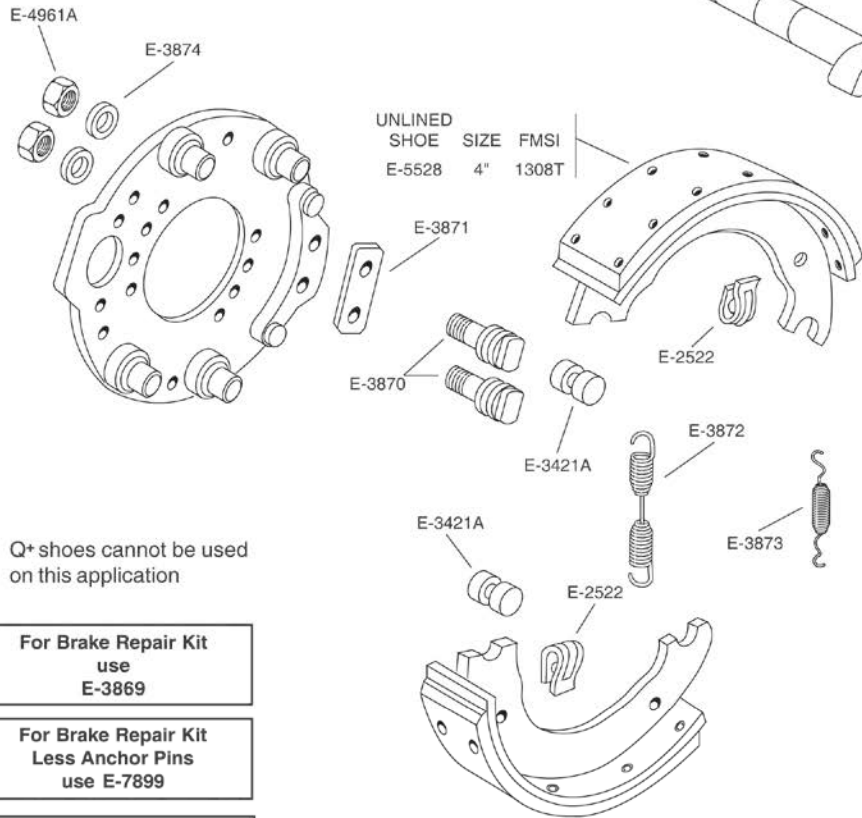
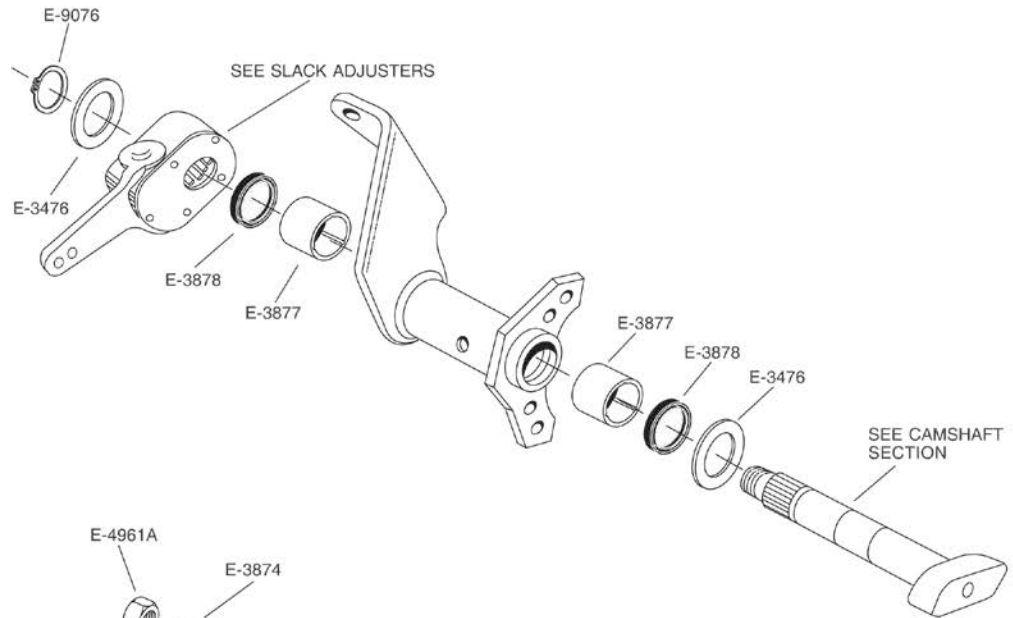


For Brake Repair Kit
use
E-10869

For Camshaft Repair Kit
use
E-10872

STEER AXLE BRAKE

PART NO.	PAGE NO.
E-2522	5-9
E-3421A	1-101
E-3476	2-87
E-3869	1-81
E-3870	1-106
E-3871	1-109
E-3872	1-115
E-3873	1-118
E-3874	1-111
E-3876	2-57
E-3877	2-78
E-3878	2-84
E-4961A	1-109
E-5528	1-124
E-7899	1-81
E-9076	2-89



- Q+ shoes cannot be used on this application

For Brake Repair Kit use E-3869

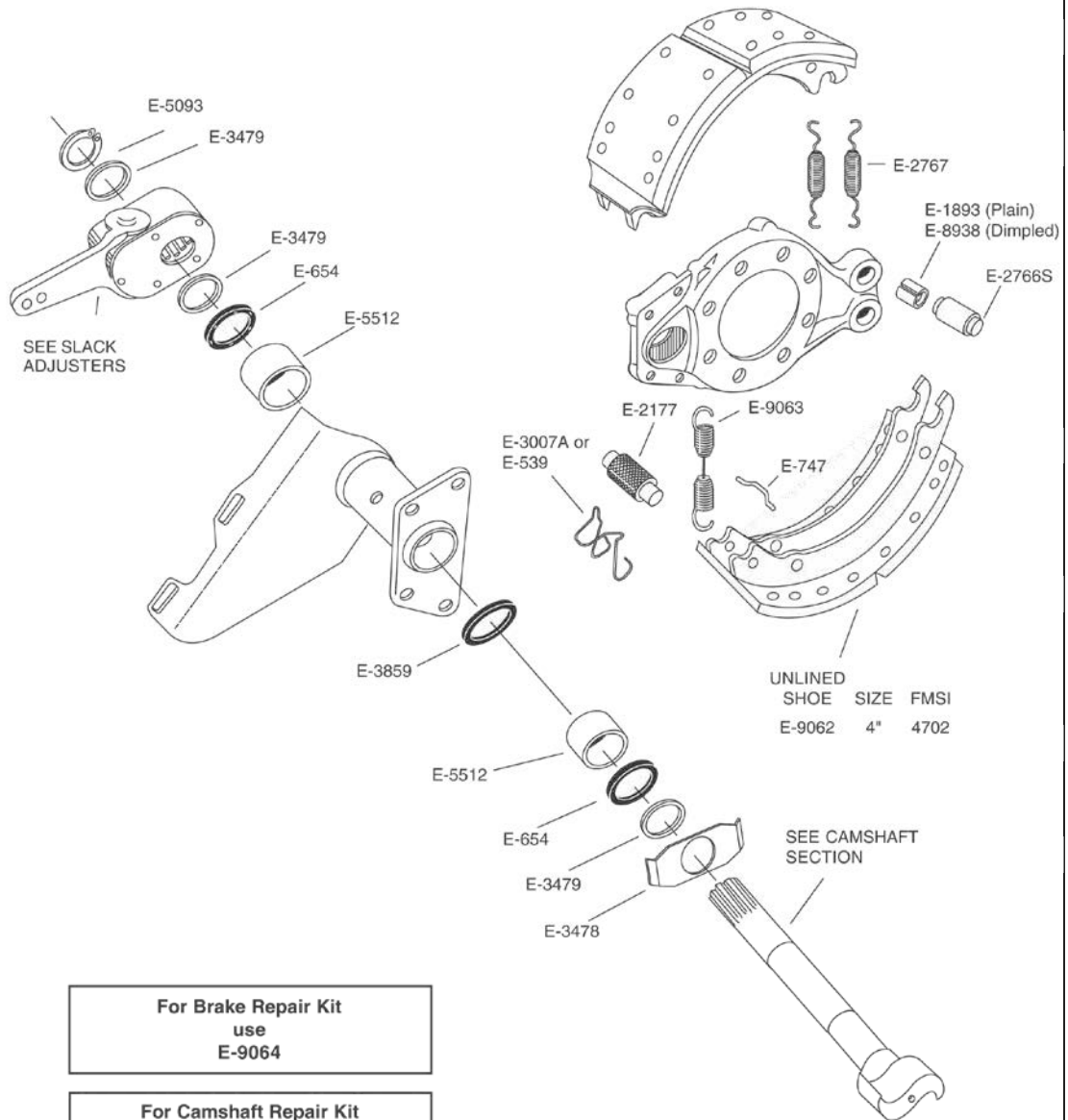
For Brake Repair Kit Less Anchor Pins use E-7899

For Camshaft Repair Kit use E-3876

Note: E-3870 are Eccentric Anchor Pins

STEER AXLE BRAKE

PART NO.	PAGE NO.
E-539	1-110
E-654	2-85
E-747	1-119
E-1893	1-113
E-2177	1-101
E-2766S	1-104
E-2767	1-118
E-3007A	1-110
E-3478	2-87
E-3479	2-87
E-3859	2-85
E-5093	2-89
E-5512	2-79
E-5513	2-68
E-8938	1-113
E-9062	1-124
E-9063	1-115
E-9064	1-80

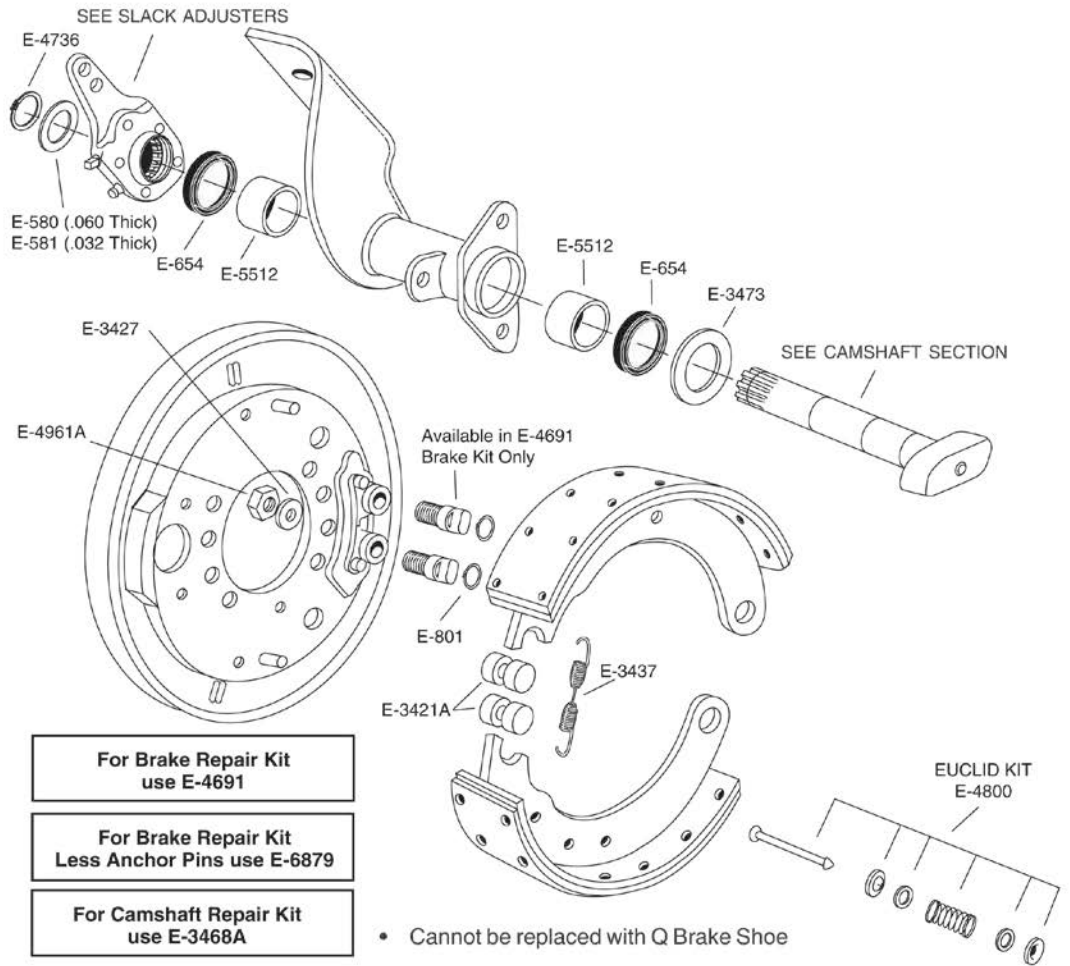


For Brake Repair Kit
use
E-9064

For Camshaft Repair Kit
use E-3993B or
E-5513 (Bushing and Seal Kit Only)

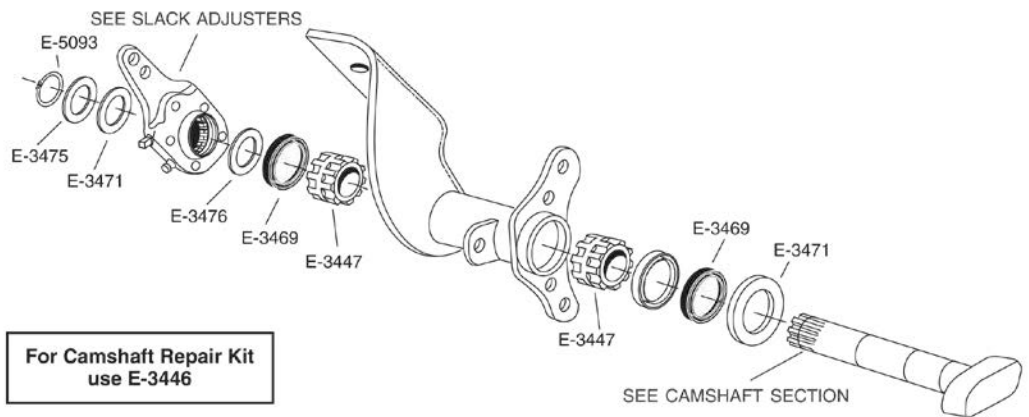
STEER AXLE BRAKE WITH 1/2" DIA. CAMSHAFT

PART NO.	PAGE NO.
E-580	2-86
E-581	2-86
E-654	2-85
E-801	1-108
E-3421A	1-101
E-3427	1-111
E-3437	1-115
E-3468A	2-55
E-3473	2-87
E-4691	1-82
E-4736	2-89
E-4800	1-81
E-4961A	1-109
E-5512	2-79
E-6879	1-81



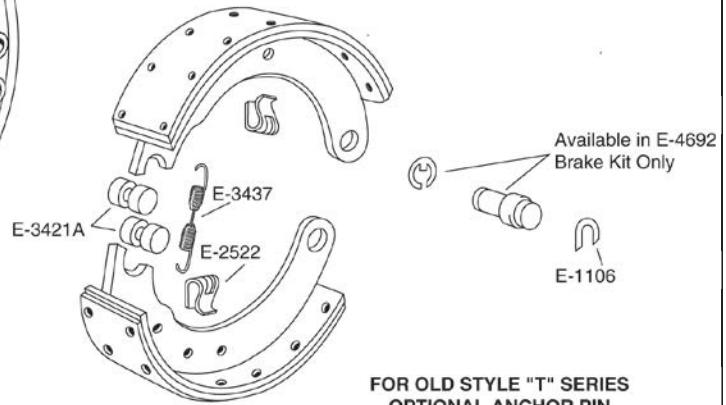
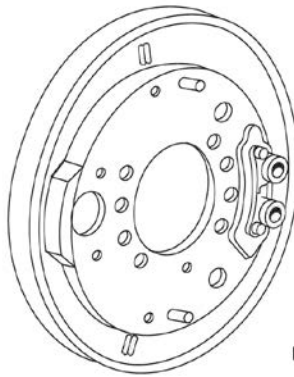
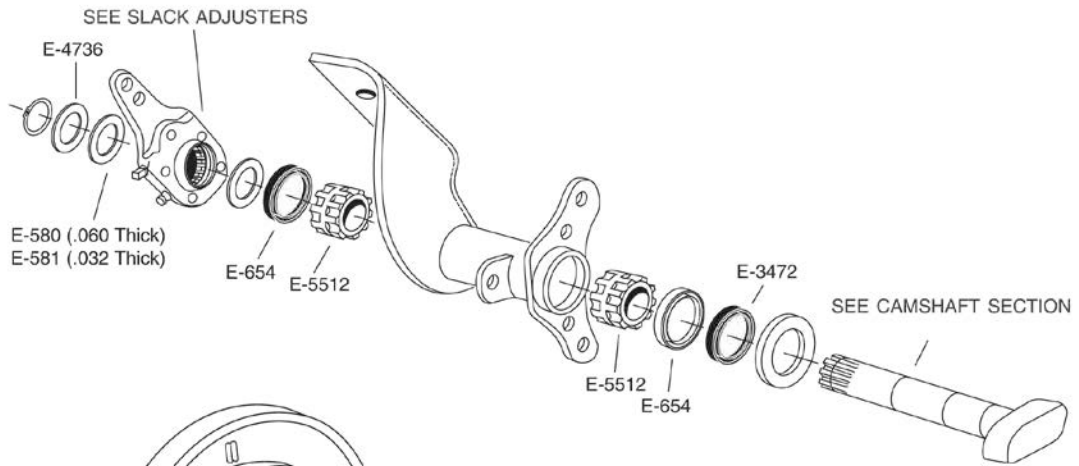
WITH 1 1/4" DIA. CAMSHAFT

PART NO.	PAGE NO.
E-3446	2-56
E-3447	2-78
E-3469	2-84
E-3471	2-87
E-3475	2-87
E-3476	2-87
E-5093	2-89



STEER AXLE BRAKE

PART NO.	PAGE NO.
E-580	2-86
E-581	2-86
E-654	2-85
E-1106	1-107
E-2522	5-9
E-3421A	1-101
E-3437	1-115
E-3468A	2-55
E-3472	2-87
E-4692	1-84
E-4736	2-89
E-5512	2-79



Eccentric Pin

**For Brake Repair Kit
use
E-4692**

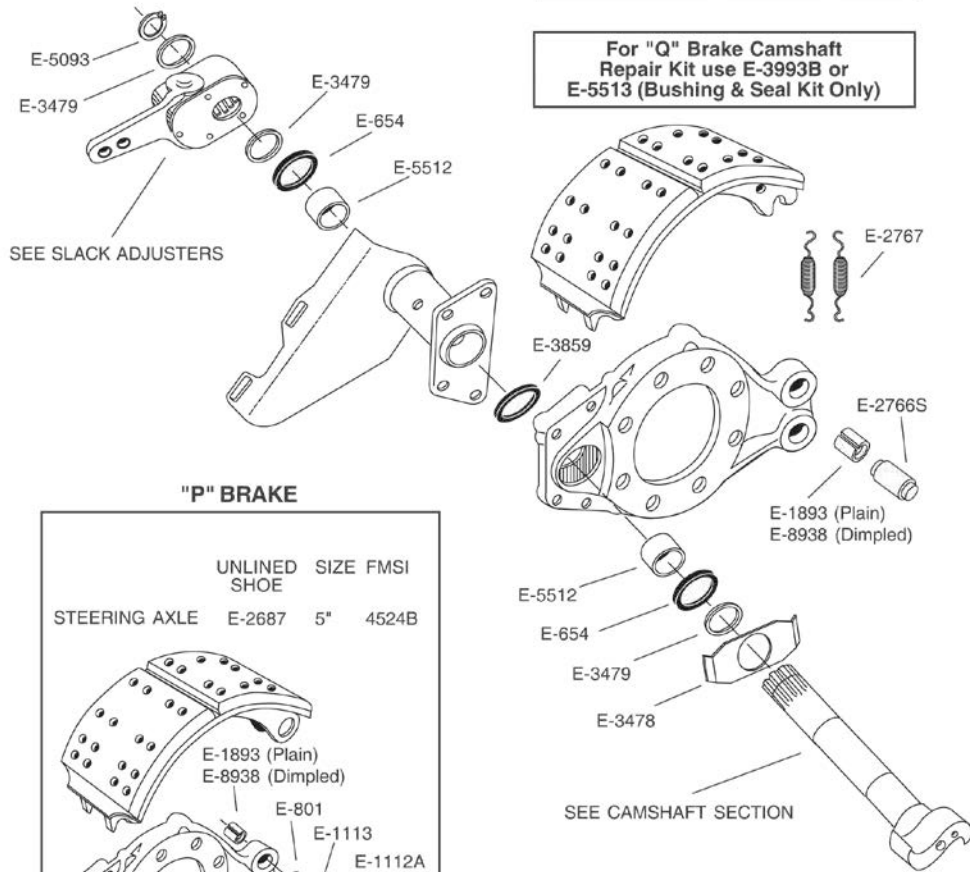
**For Camshaft Repair Kit
use
E-3468A**

- Eccentric pin can be used to adjust lining to drum clearance.

TRUCK & TRACTOR BRAKE

PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-545A	1-116
E-654	2-85
E-747	1-119
E-801	1-108
E-1112A	1-104
E-1113	1-111
E-1816HD	1-97
E-1816S	1-97
E-1816SHD	1-97
E-1880B	1-116
E-1893	1-113
E-2086B	2-57
E-2177	1-101
E-2687	1-126
E-2766S	1-104
E-2767	1-118
E-2768	1-116
E-2769HD	1-92
E-2769S	1-92
E-2769SHD	1-92
E-2778	1-126
E-3007A	1-110
E-3478	2-87
E-3479	2-87
E-3490B	1-116
E-3859	2-85
E-3895S	1-96
E-3895SHD	1-96
E-5093	2-89
E-5512	2-79
E-5513	2-68
E-8938	1-113

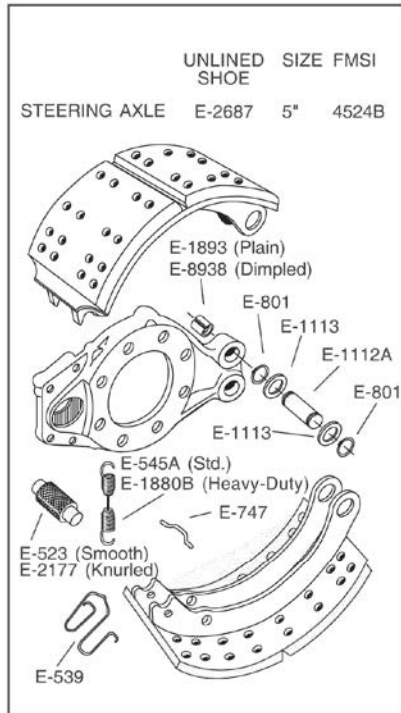
"Q" BRAKE



For "Q" Brake Repair Kit use
E-2769HD, E-2769S, E-2769SHD,
E-3895S, or E-3895SHD

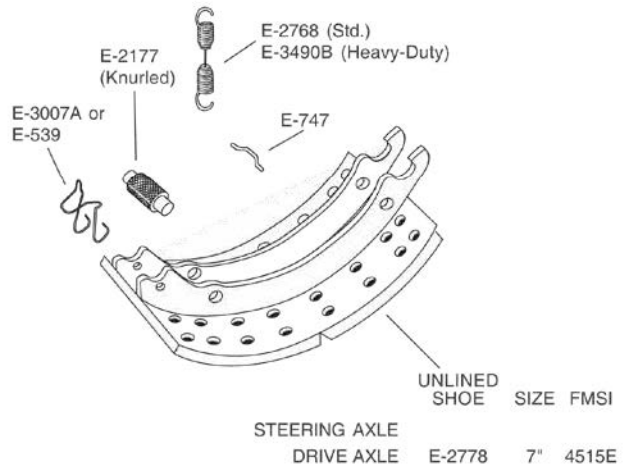
For "Q" Brake Camshaft
Repair Kit use E-3993B or
E-5513 (Bushing & Seal Kit Only)

"P" BRAKE



For "P" Brake Repair Kit
use
E-1816HD, E-1816S or E-1816SHD

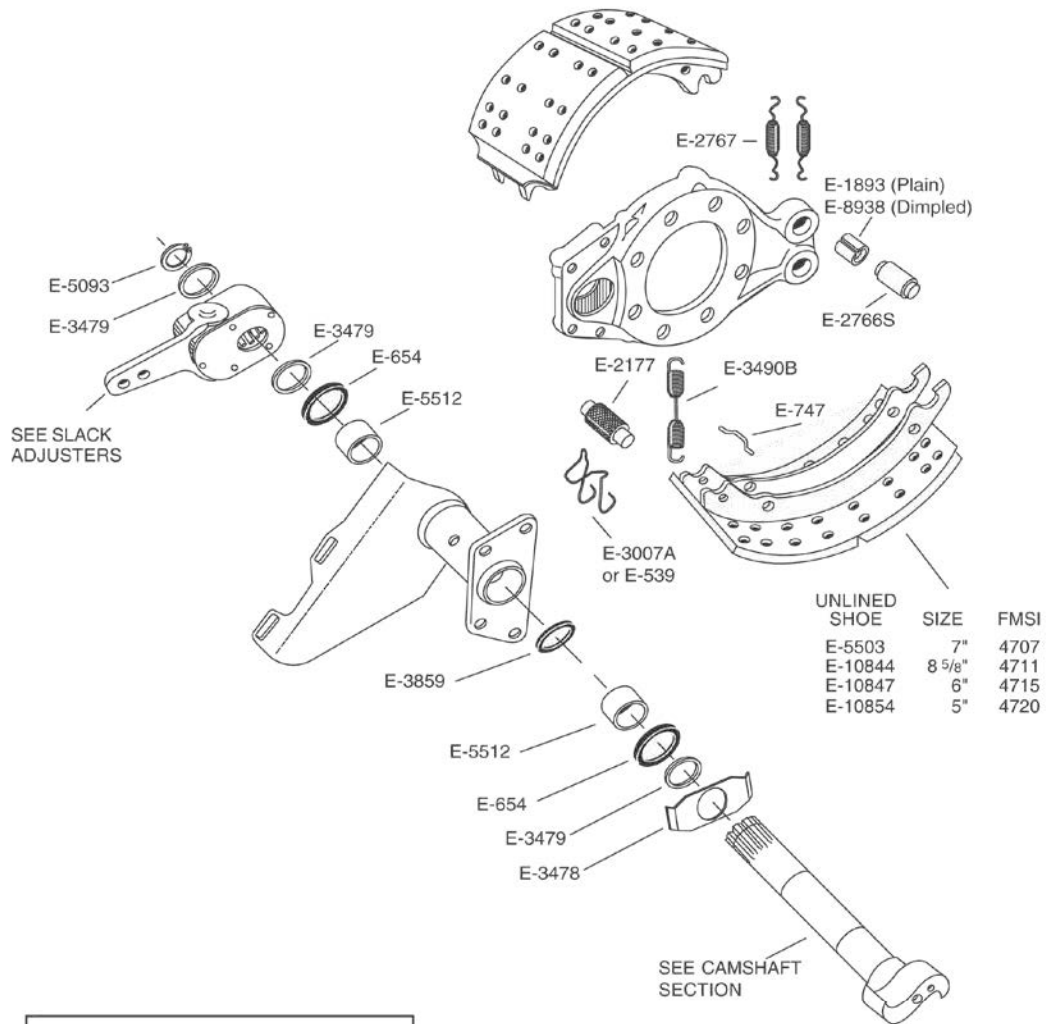
For "P" Brake Camshaft
Repair Kit
use E-2086B



Note: For notched Anchor Pin Kit us KIT-4

TRUCK & TRACTOR BRAKE

PART NO.	PAGE NO.
E-539	1-110
E-654	2-85
E-747	1-119
E-1893	1-113
E-2177	1-101
E-2766S	1-104
E-2767	1-118
E-2769HD	1-92
E-2769S	1-92
E-2769SHD	1-92
E-3007A	1-110
E-3478	2-87
E-3479	2-87
E-3490B	1-116
E-3859	2-85
E-3895S	1-96
E-3895SHD	1-96
E-3993B	2-54
E-5093	2-89
E-5503	1-126
E-5512	2-79
E-5513	2-68
E-8938	1-113
E-10844	1-126
E-10847	1-126
E-10854	1-126

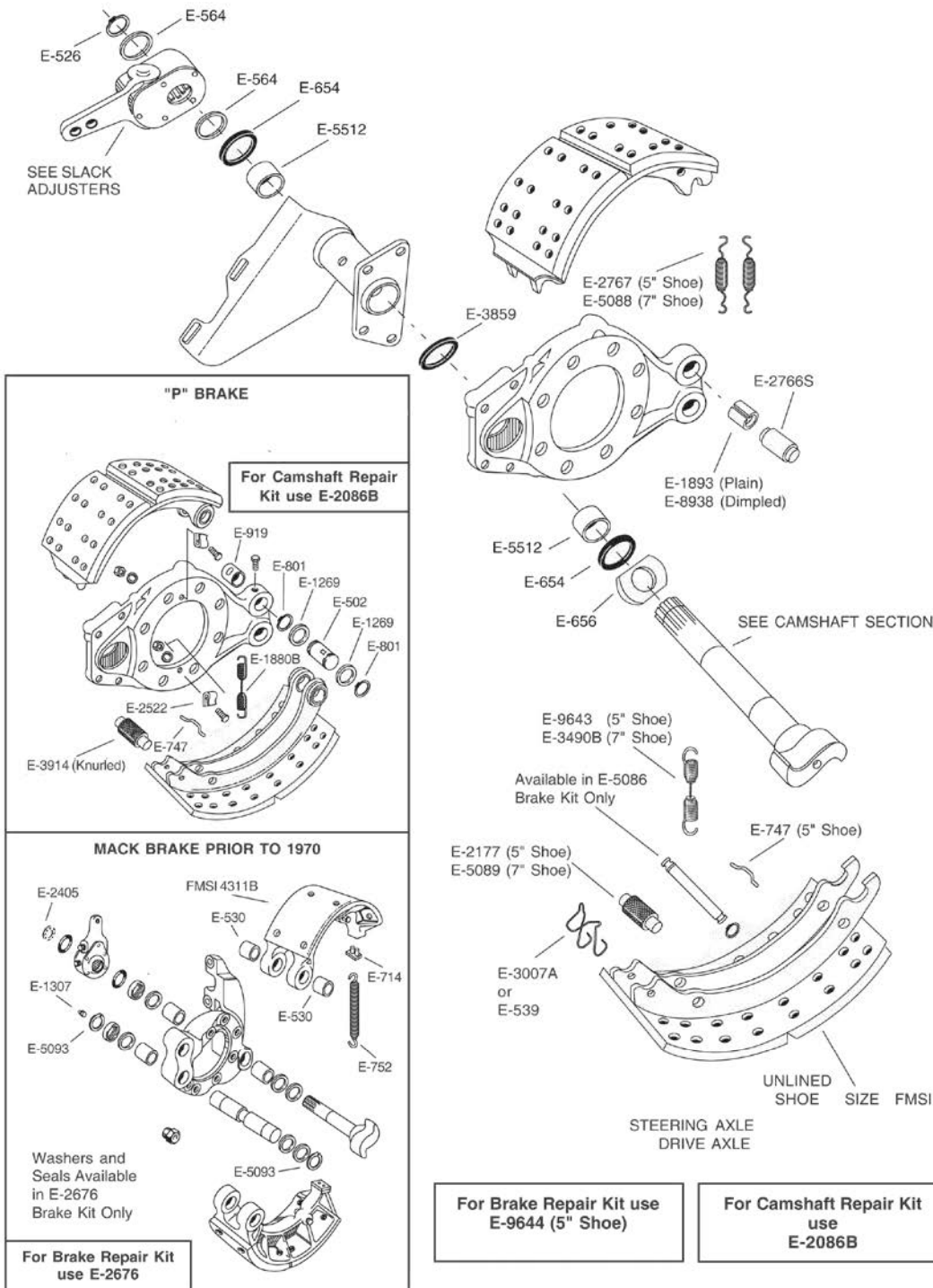


For Brake Repair Kit use
E-2769HD, E-2769S, E-2769SHD,
E-3895S, or E-3895SHD

For Camshaft Repair Kit
use E-3993B or
E-5513 (Bushing & Seal Kit Only)

FOR MACK TRUCK - WITH 44,000 LB. REAR Q BRAKE

PART NO.	PAGE NO.
E-502	1-105
E-526	2-89
E-539	1-110
E-564	2-86
E-654	2-85
E-656	2-88
E-747	1-119
E-752	1-116
E-801	1-108
E-919	1-113
E-1269	1-107
E-1307	1-112
E-1880B	1-116
E-1893	1-113
E-2086B-2	2-58
E-2177	1-101
E-2405	2-85
E-2522	5-9
E-2676	1-93
E-2766S	1-104
E-2767	1-118
E-3007A	1-110
E-3490B	1-116
E-3859	2-85
E-3914	1-101
E-5088	1-118
E-5089	1-101
E-5093	2-89
E-5512	2-79
E-8938	1-113
E-9643	1-117
E-9644	1-95



MERITOR Q+™ SERIES CAM BRAKES FOR 15" & 16-1/2" MX500 LONG LIFE & LX500 EXTENDED LUBE

BRAKE HARDWARE

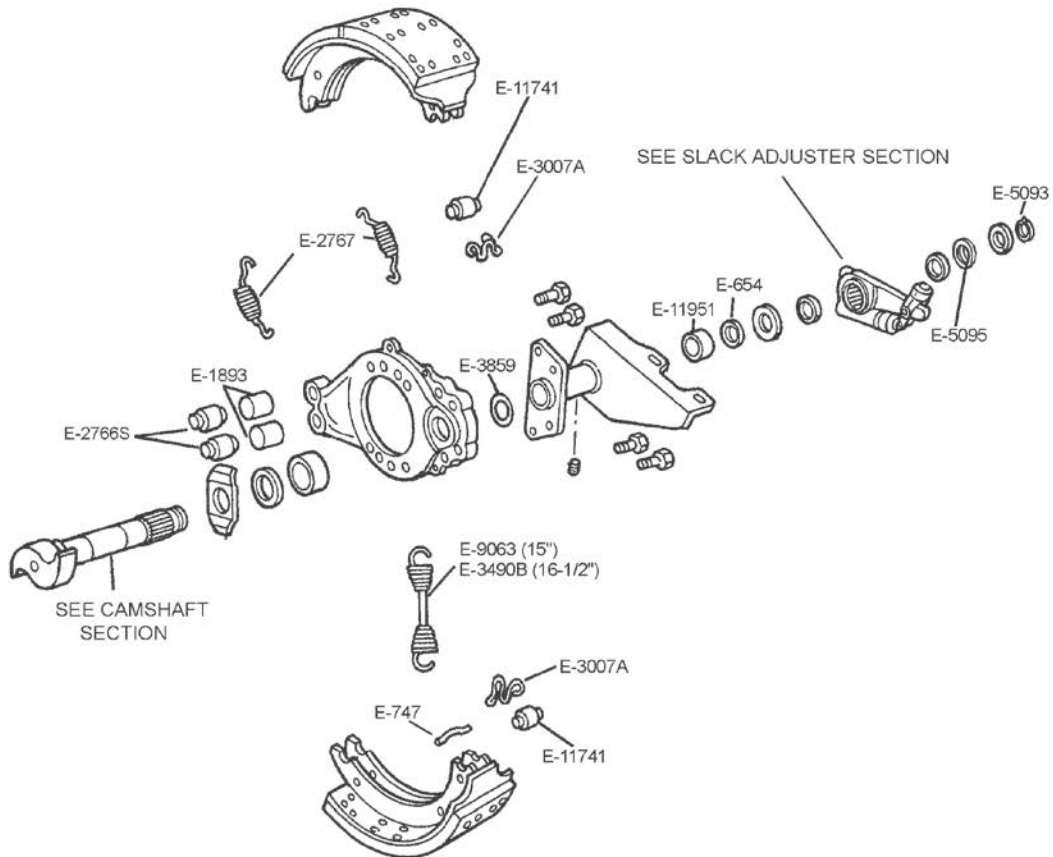
CAST SPIDER

PART NO.	PAGE NO.
E-654	2-85
E-1893	1-113
E-747	1-119
E-2766S	1-104
E-2767	1-118
E-2769HD	1-92
E-3007A	1-110
E-3490B	1-116
E-3859	2-85
E-5093	2-89
E-5095	2-86
E-9046	1-116
E-9063	1-115
E-11453	1-124
E-11741	1-101
E-11904	2-55
E-11951	2-79

For Brake Repair Kit
use E-9046 (15") or
E-2769HD (16-1/2")

For Camshaft Repair Kit
use E-11904

UNLINED SHOE	SIZE	FMSI
E-11453	15" x 5"	4703



MERITOR Q+™ SERIES CAM BRAKES FOR 15" & 16-1/2" MX500 LONG LIFE & LX500 EXTENDED LUBE

Brake and
Wheel End

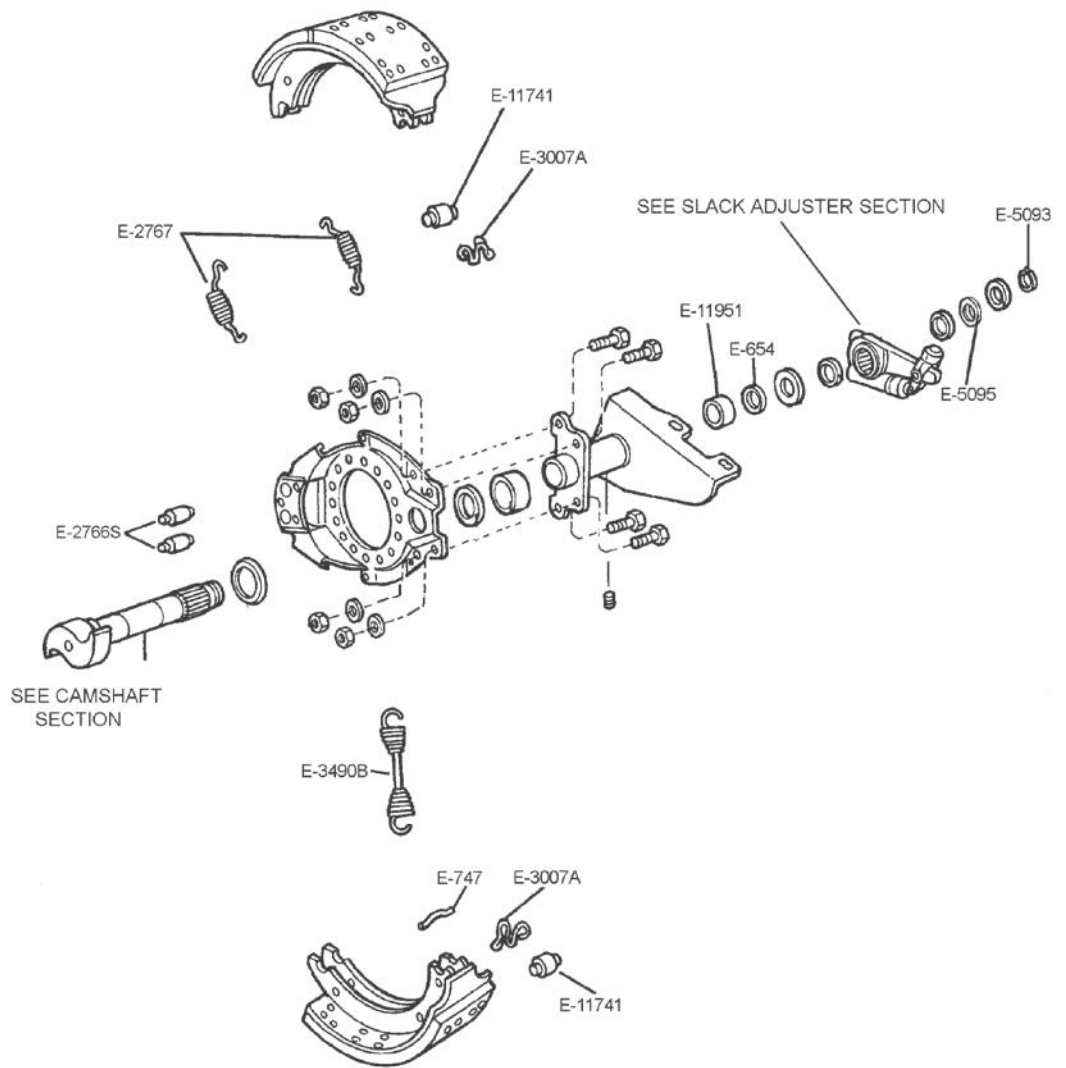
BRAKE HARDWARE

STAMPED SPIDER

PART NO.	PAGE NO.
E-654	2-85
E-747	1-119
E-2766S	1-104
E-2767	1-118
E-2769HD	1-92
E-3007A	1-110
E-3490B	1-116
E-5093	2-89
E-5095	2-86
E-11741	1-101
E-11904	2-55
E-11951	2-79

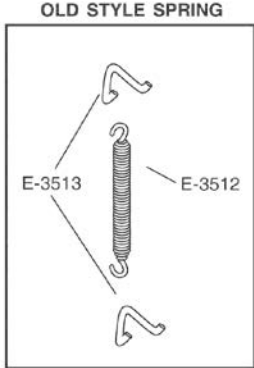
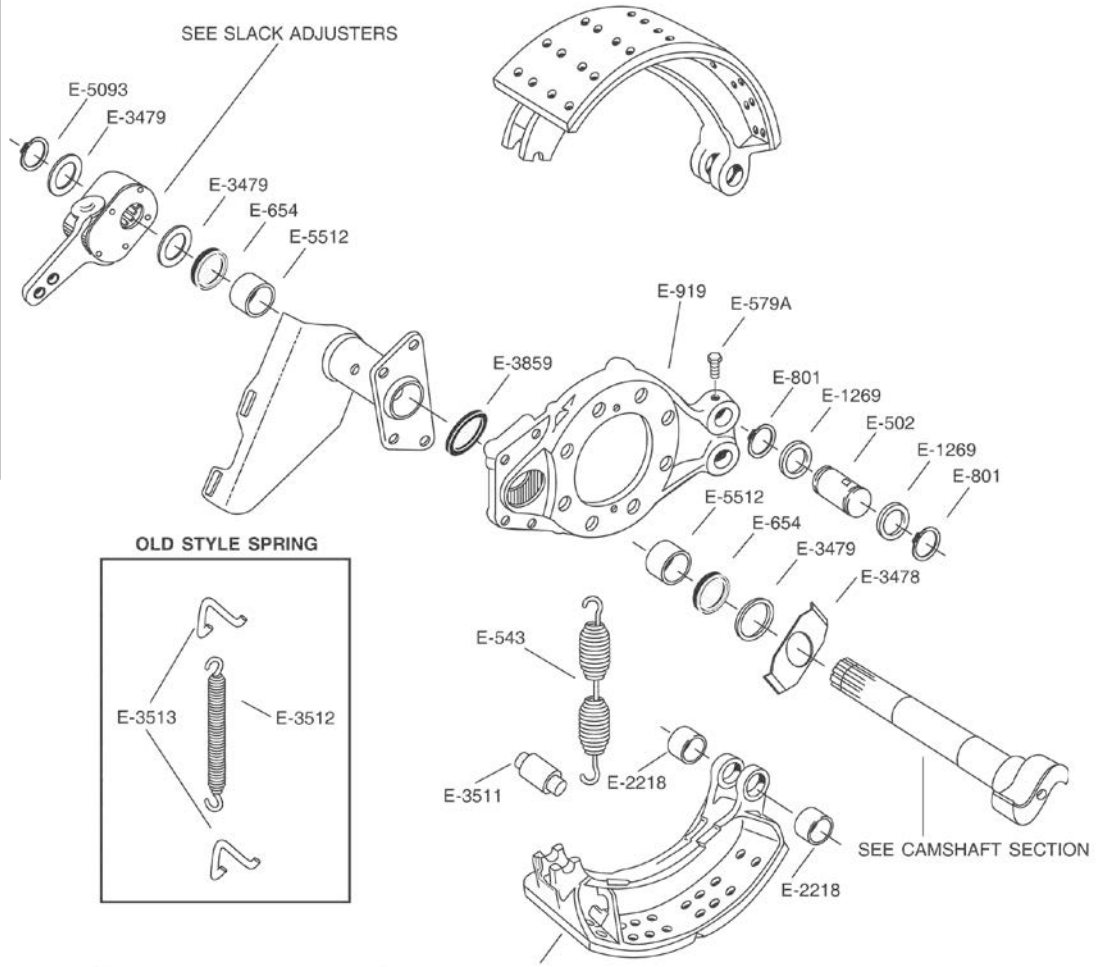
For Brake Repair Kit
use E-2769HD

For Camshaft Repair Kit
use E-11904



TRUCK & TRACTOR BRAKE

PART NO.	PAGE NO.
E-502	1-105
E-543	1-117
E-579A	1-110
E-654	2-85
E-801	1-108
E-919	1-113
E-1269	1-107
E-2218	1-112
E-3478	2-87
E-3479	2-87
E-3511	1-101
E-3512	1-117
E-3513	1-119
E-3518	1-99
E-3859	2-85
E-3992	1-99
E-3993B	2-54
E-5093	2-89
E-5512	2-79
E-11974	1-93



For Camshaft Repair Kit
use
E-3993B

For Brake Repair Kit use
E-3992 (Current Style)
E-3518 (Old Style)
For 16-1/2" Cast Shoe See E-11974

UNLINED SHOE
SIZE 7" FMSI 4471B

I.D. TIP

- Web support has two holes which hold the old style spring, which prevents shoe from resting in an offset position on anchor pin.

HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-04000	6-56
E-04975	6-56
E-04975H	6-56
E-05500	6-56
E-1559	6-36
E-1561	6-36
E-1251	6-37
E-1252	6-37
E-1253	6-37
E-2128	6-37
E-2550	6-36

OUTER CUP AND CONE
HM212011/HM212049 (RL)
HM212011/HM212049 (RN)

INNER CUP AND CONE
653/665A (RL)
HM218210/HM218248 (RN)

SEE WHEEL AND HUB PARTS SECTION

RN AXLES
POSITIVE ADJUSTMENT
SERVICE NUT

E-04000 E-03009 E-1251 E-1252 E-1253 E-2128 (RN) Service Nut

CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-564	2-86
E-580	2-86
E-654	2-85
E-759	2-79
E-801	1-108
E-1113	1-111
E-1271	2-79
E-1272	2-84
E-1318A	2-75
E-1319A	2-73
E-1416	2-84
E-1569	2-89
E-2088AHD	2-61
E-2361	2-80
E-2380	2-82
E-2405	2-85
E-2406	2-85
E-2407	2-82
E-2408	2-81
E-2411A	2-87
E-2690A	2-81
E-3520AHD	2-67
E-3989AHD	2-67
E-3991	2-85
E-5093	2-89

4" x 6" (RQ, RN, RL) AXLE WITH 1 1/2" DIA. CAMSHAFTS

SEE SLACK ADJUSTER

E-1416 E-564 E-526 E-1318A (O.E. Style) E-526

E-564 E-2380 E-1271 E-1272 E-2361 Used in E-1318A Only E-1319A E-564 E-564

ALTERNATE SPIDER BUSHING
E-580 E-654 E-759 E-654 E-536

SEE CAMSHAFT SECTION

For Camshaft Repair Kit use E-2088AHD

4000 - 6000 SERIES - 4" x 6" (RQ, RN, RL) AXLE WITH 1 5/8" DIA. CAMSHAFTS

E-2405 E-2411A E-1569 E-1318A (O.E. Style) SEE SLACK ADJUSTERS E-1113 E-801 or E-5093

E-2411A E-2407 E-2408 E-2406 E-2361 Used in E-1318A Only E-1319A E-564

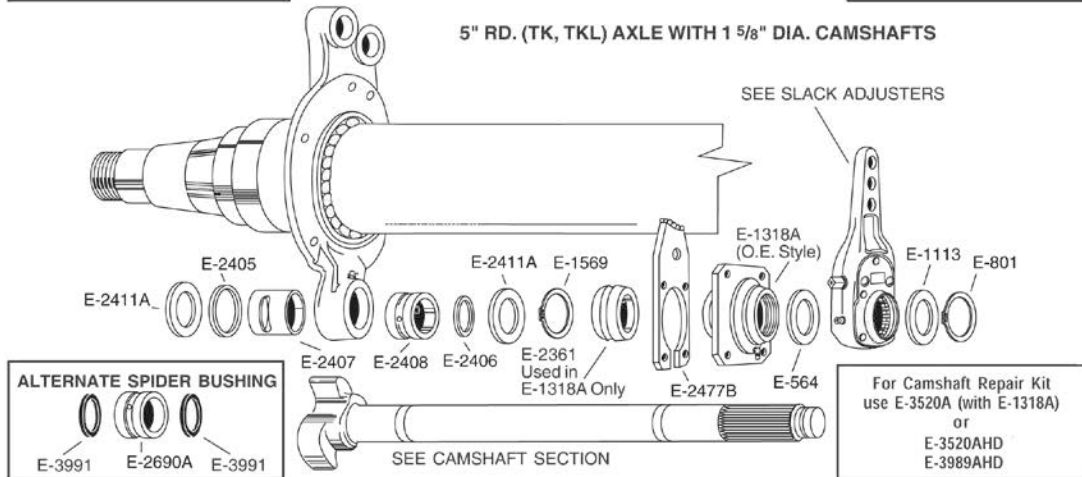
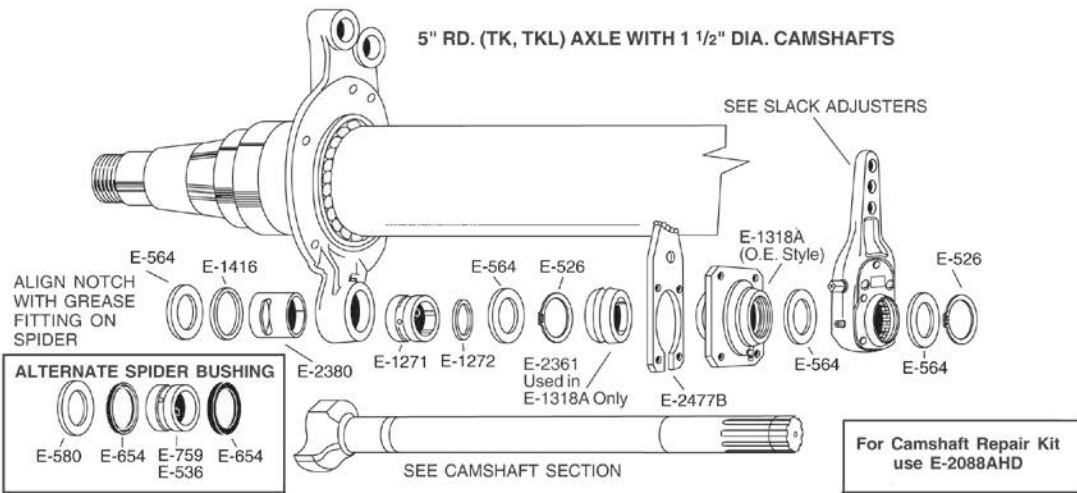
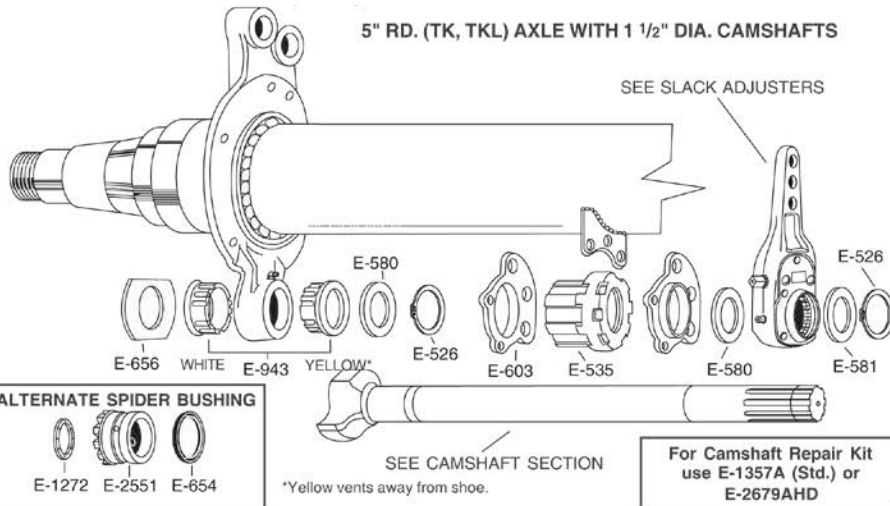
ALTERNATE SPIDER BUSHING
E-3991 E-2690A E-3991

SEE CAMSHAFT SECTION

For Camshaft Repair Kit use E-3520A (with E-1318A) or E-3520AHD E-3989AHD

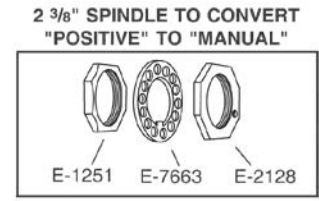
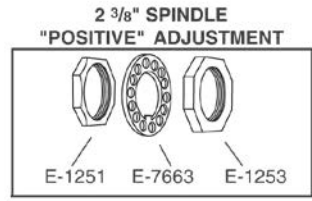
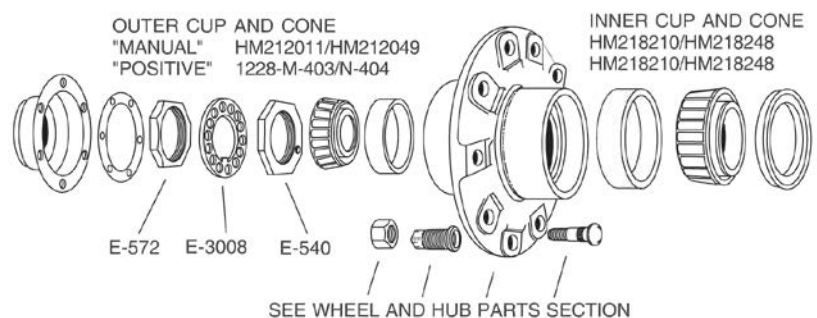
CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-535	2-81
E-536	2-79
E-564	2-86
E-580	2-86
E-581	2-86
E-603	2-74
E-654	2-85
E-656	2-88
E-759	2-79
E-801	1-108
E-943	2-79
E-1113	1-111
E-1271	2-79
E-1272	2-84
E-1318A	2-75
E-1357A	2-60
E-1416	2-84
E-1569	2-89
E-2088AHD	2-61
E-2361	2-80
E-2380	2-82
E-2405	2-85
E-2406	2-85
E-2407	2-82
E-2408	2-81
E-2411A	2-87
E-2477B	2-73
E-2551	2-78
E-2679AHD	2-64
E-2690A	2-81
E-3520AHD	2-67
E-3989AHD	2-67
E-3991	2-85

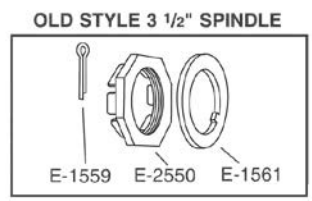
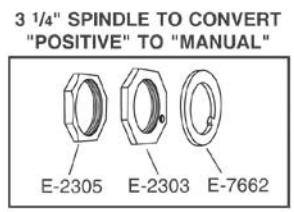
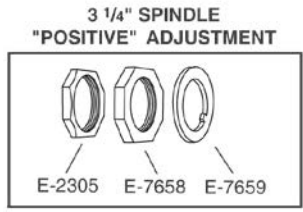
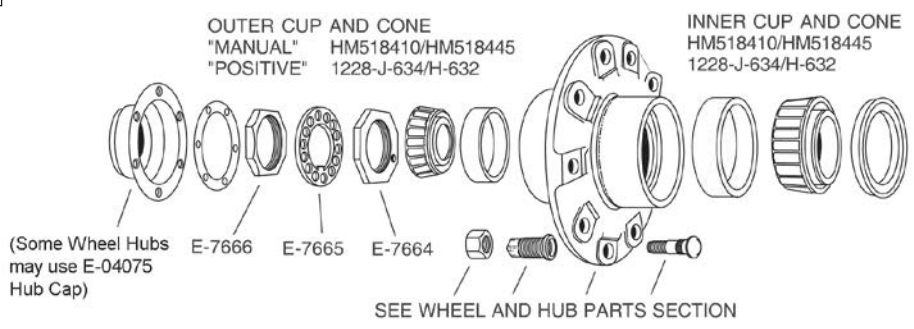


TN, TQ 2-5/8" SPINDLE - MANUAL AND POSITIVE ADJUSTMENT SPINDLE NUTS

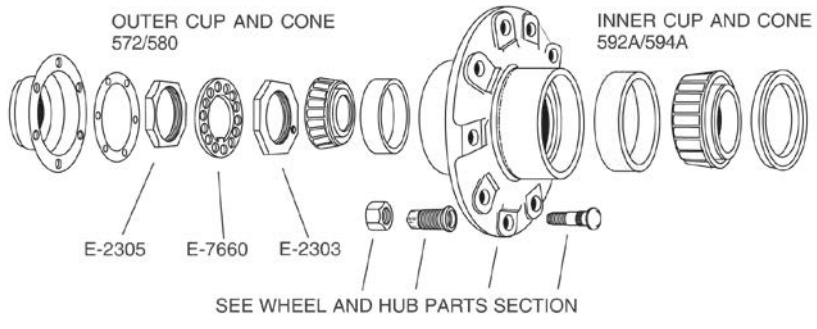
PART NO.	PAGE NO.
E-540	6-37
E-572	6-37
E-1251	6-37
E-1253	6-37
E-1559	6-36
E-1561	6-36
E-2128	6-37
E-2303	6-39
E-2305	6-39
E-2550	6-36
E-3008	6-37
E-7658	6-39
E-7659	6-39
E-7660	6-39
E-7663	6-38
E-7664	6-38
E-7665	6-38
E-7666	6-38



TP 3 1/2" SPINDLE - MANUAL AND POSITIVE ADJUSTMENT SPINDLE NUTS OLD DESIGN



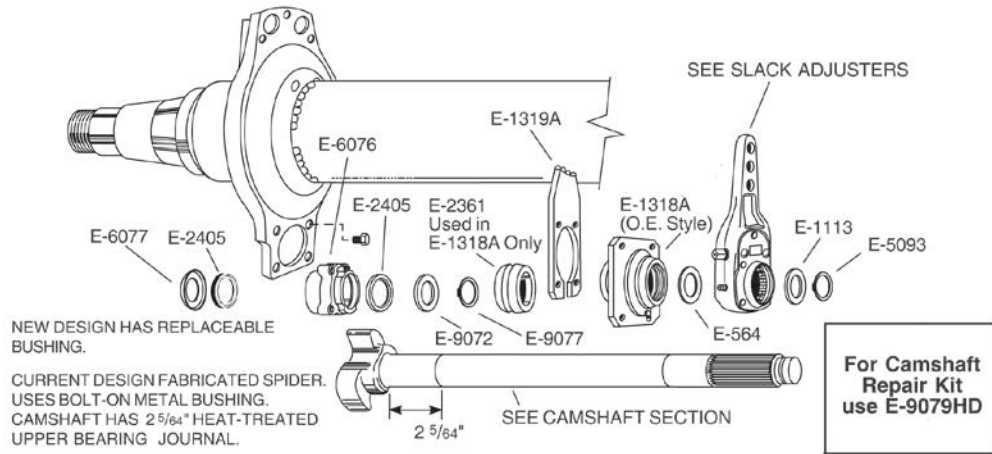
TP 3 1/4" SPINDLE - AVAILABLE AS "MANUAL" ADJUSTMENT ONLY NEW DESIGN



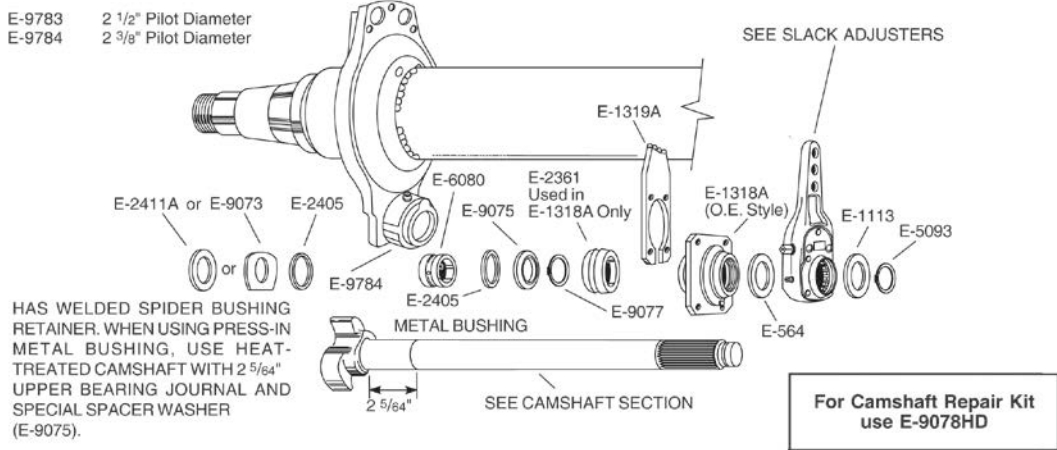
FABRICATED SPIDER

PART NO.	PAGE NO.
E-526	2-89
E-564	2-86
E-1113	1-111
E-1271	2-79
E-1272	2-84
E-1318A	2-75
E-1319A	2-73
E-1416	2-84
E-2361	2-80
E-2380	2-82
E-2405	2-85
E-2411A	2-87
E-3520AHD	2-67
E-4736	2-89
E-5093	2-89
E-6076	2-82
E-6077	2-88
E-6080	2-81
E-9072	2-87
E-9073	2-88
E-9075	2-87
E-9077	2-89
E-9078HD	2-69
E-9079HD	2-70
E-9784	2-82

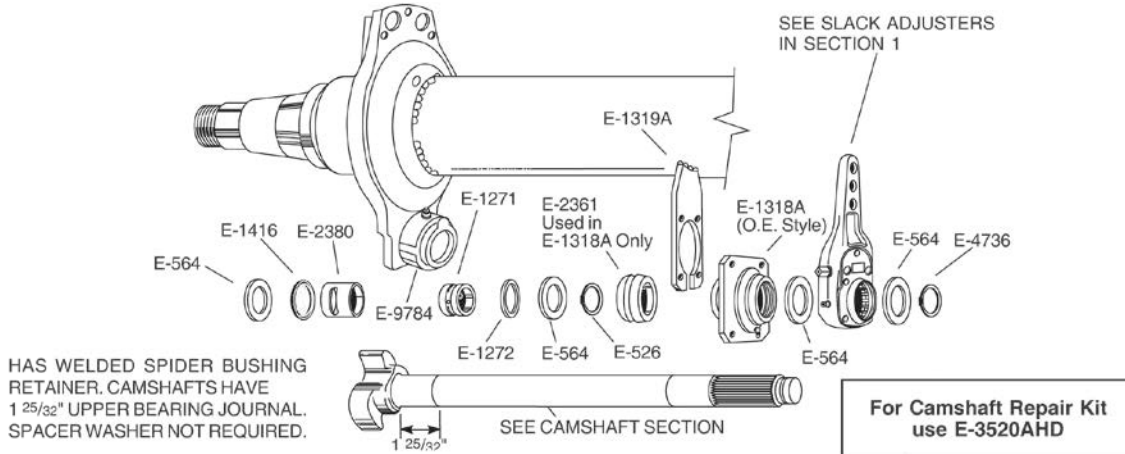
CURRENT DESIGN FABRICATED SPIDER WITH BOLT-ON METAL BUSHING



FIRST & SECOND DESIGN FABRICATED SPIDER WITH PRESS-IN METAL BUSHING



FIRST & SECOND DESIGN FABRICATED SPIDER WITH PRESS-IN NYLON BUSHING



MERITOR TRAILER AXLES WITH 16-1/2" DIAMETER BRAKES

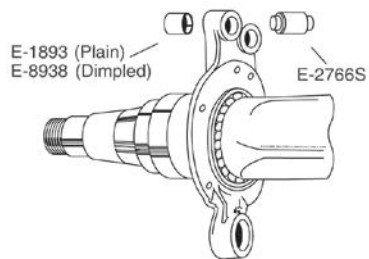
Brake and
Wheel End

BRAKE HARDWARE

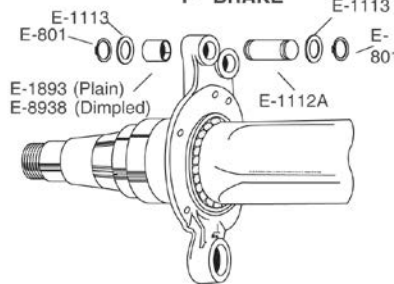
ANCHOR PIN VARIATIONS

PART NO.	PAGE NO.
E-502	1-105
E-512	1-104
E-579A	1-110
E-801	1-108
E-1112A	1-104
E-1113	1-111
E-1269	1-107
E-1816HD	1-97
E-1816S	1-97
E-1816SHD	1-97
E-1893	1-113
E-2766S	1-104
E-2769HD	1-92
E-2769S	1-92
E-2769SHD	1-92
E-3895S	1-96
E-895SHD	1-96
E-8938	1-113
KIT-4S	1-94
KIT-4SHD	1-94

"Q", "Q+", "Q" FOR FRUEHAUF BRAKES



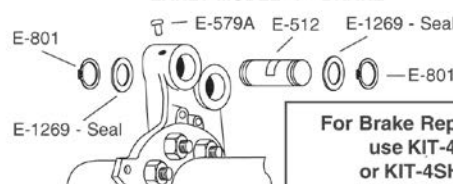
"P" BRAKE



For Brake Repair Kit use E-2769HD,
E-2769S, E-2769SHD, E-2769SHD-R, E-3895S,
or E-3895SHD

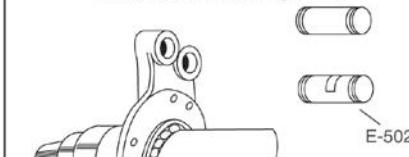
For Brake Repair Kit
use E-1816S,
E-1816HD or E-1816SHD

EARLY MODEL "P" BRAKE



For Brake Repair Kit
use KIT-4S
or KIT-4SHD

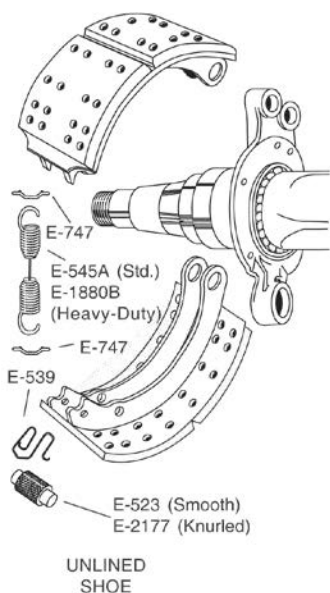
Note: When using cast shoes or pressed
steel shoes with bushings, use:



SHOES, ROLLERS, SPRING & DUST SHIELD

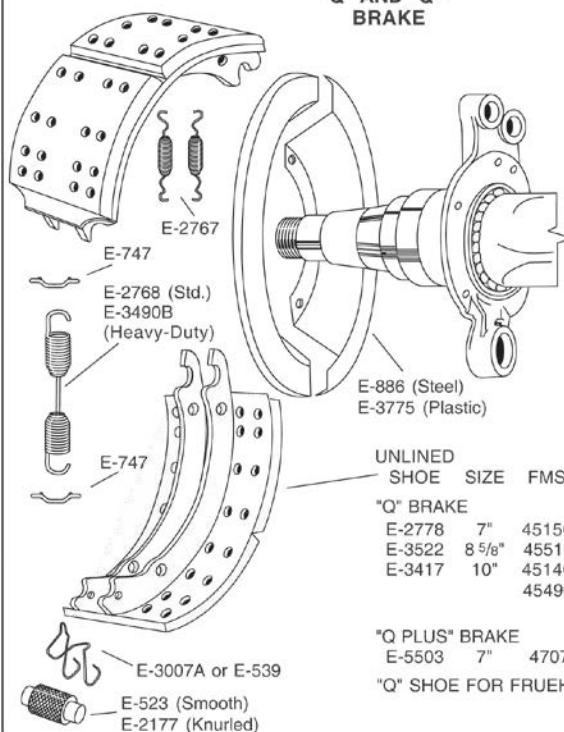
PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-545A	1-116
E-747	1-119
E-886	1-129
E-1880B	1-116
E-2177	1-101
E-2767	1-118
E-2768	1-116
E-2778	1-126
E-3417	1-126
E-3490B	1-116
E-3522	1-126
E-3775	1-129
E-5503	1-126

"P" BRAKE



UNLINED
SHOE

"Q" AND "Q+" BRAKE



UNLINED
SHOE SIZE FMSI

"Q" BRAKE

E-2778	7"	4515G
E-3522	8 5/8"	4551B
E-3417	10"	4514G } With 4549C } 1/4" Rivets

"Q PLUS" BRAKE

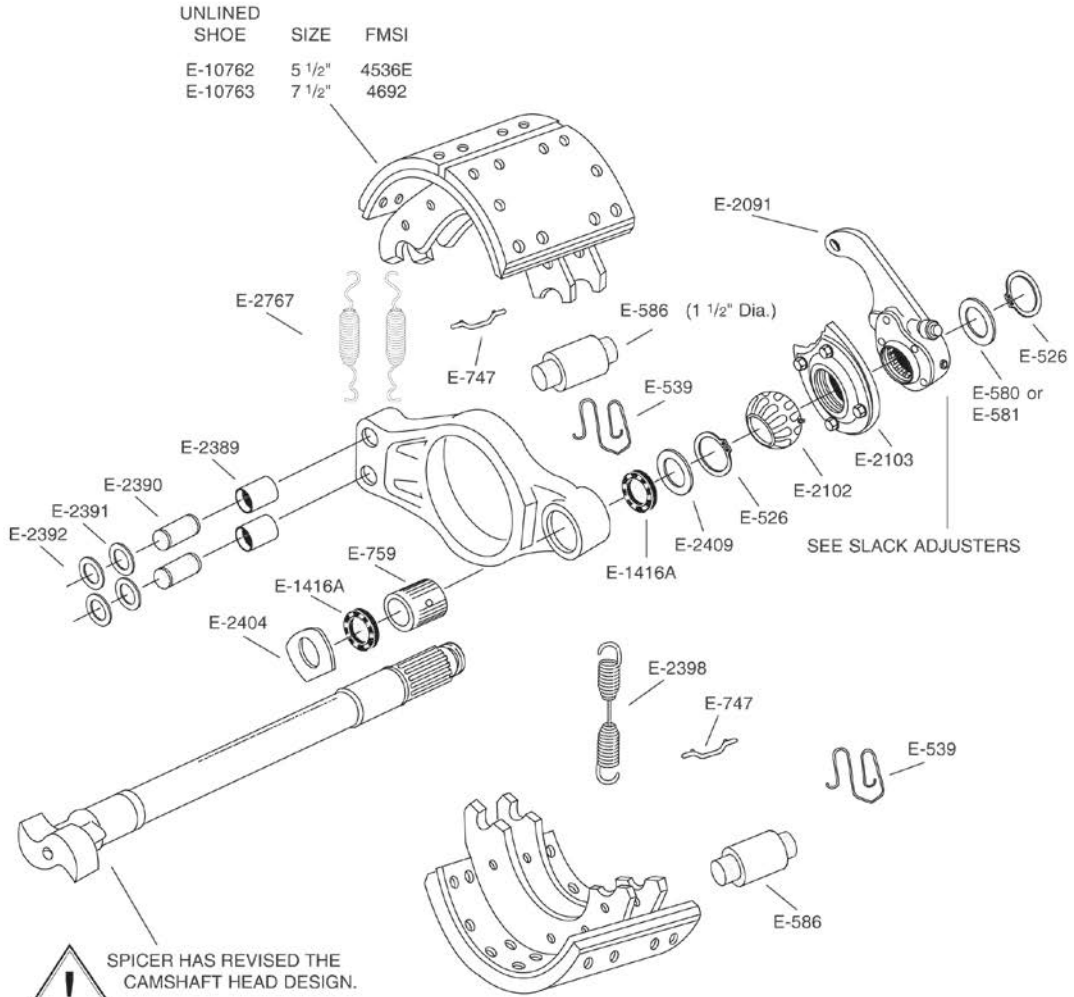
E-5503	7"	4707
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"Q" SHOE FOR FRUEHAUF SPIDERS

SPICER (DANA) 12-1/4" DIAMETER FAST CHANGE II BRAKES

OLD SPIDER BEFORE 11/11/96 WITH NEW SHOE ANCHOR PIN O.D. 1"

PART NO.	PAGE NO.
E-526	2-89
E-539	1-110
E-580	2-86
E-581	2-86
E-586	1-101
E-747	1-119
E-759	2-79
E-1416A	2-84
E-2091	3-3
E-2102	2-80
E-2103	2-73
E-2389	1-113
E-2390	1-104
E-2391	1-111
E-2392	1-107
E-2398	1-114
E-2399	1-119
E-2404	2-88
E-2409	2-86
E-2469	2-51
E-2767	1-118
E-10757	1-77
E-10762	1-123
E-10763	1-123



CAUTION SPICER HAS REVISED THE CAMSHAFT HEAD DESIGN.
FOR CAMSHAFTS READ PAGE 2-41 CAREFULLY

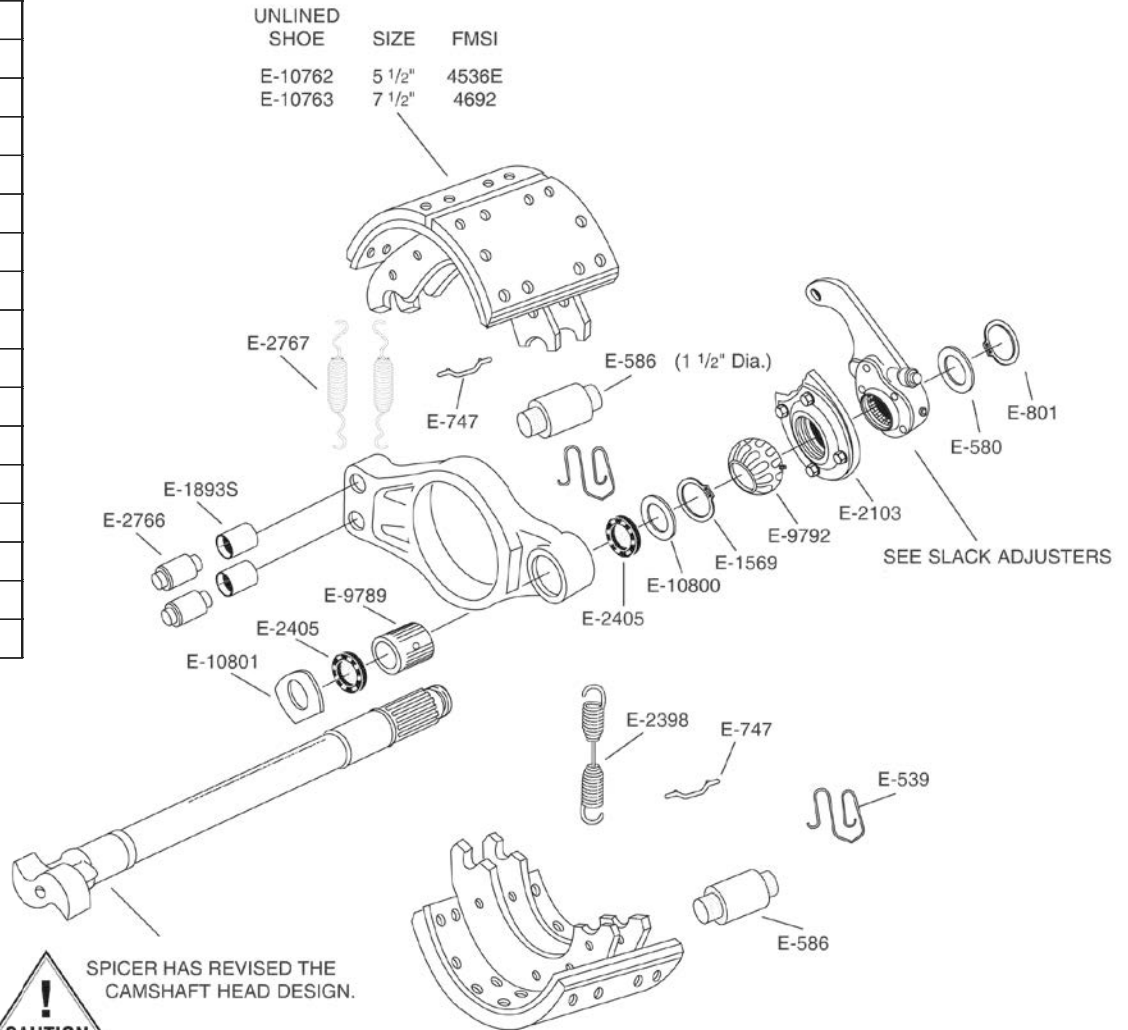
For Brake Shoe Repair Kit
use
E-10757

For Camshaft Repair Kit
use
E-2469

I.D. TIP
Brake Shoe Unique.

OLD SPIDER AFTER 11/11/96 ANCHOR PIN O.D. 1-1/4"

PART NO.	PAGE NO.
E-539	1-110
E-586	1-101
E-580	2-86
E-747	1-119
E-801	1-108
E-1893S	1-113
E-2103	2-73
E-2398	1-114
E-2405	2-85
E-2766S	1-104
E-2767	1-118
E-9792A	2-80
E-9789	2-81
E-9790A	2-53
E-10756	1-75
E-10762	1-123
E-10763	1-123
E-10800	2-87
E-10801	2-88
E-14539	1-76



SPICER HAS REVISED THE CAMSHAFT HEAD DESIGN.

FOR CAMSHAFTS READ PAGE 2-41 CAREFULLY

**NOTE: With New Spider
1 5/8" Dia. Camshaft Journal
and 1 1/2" 28 Spline use
E-9790A Camshaft Repair Kit**

**For Brake Repair Kit
use
E-10756**

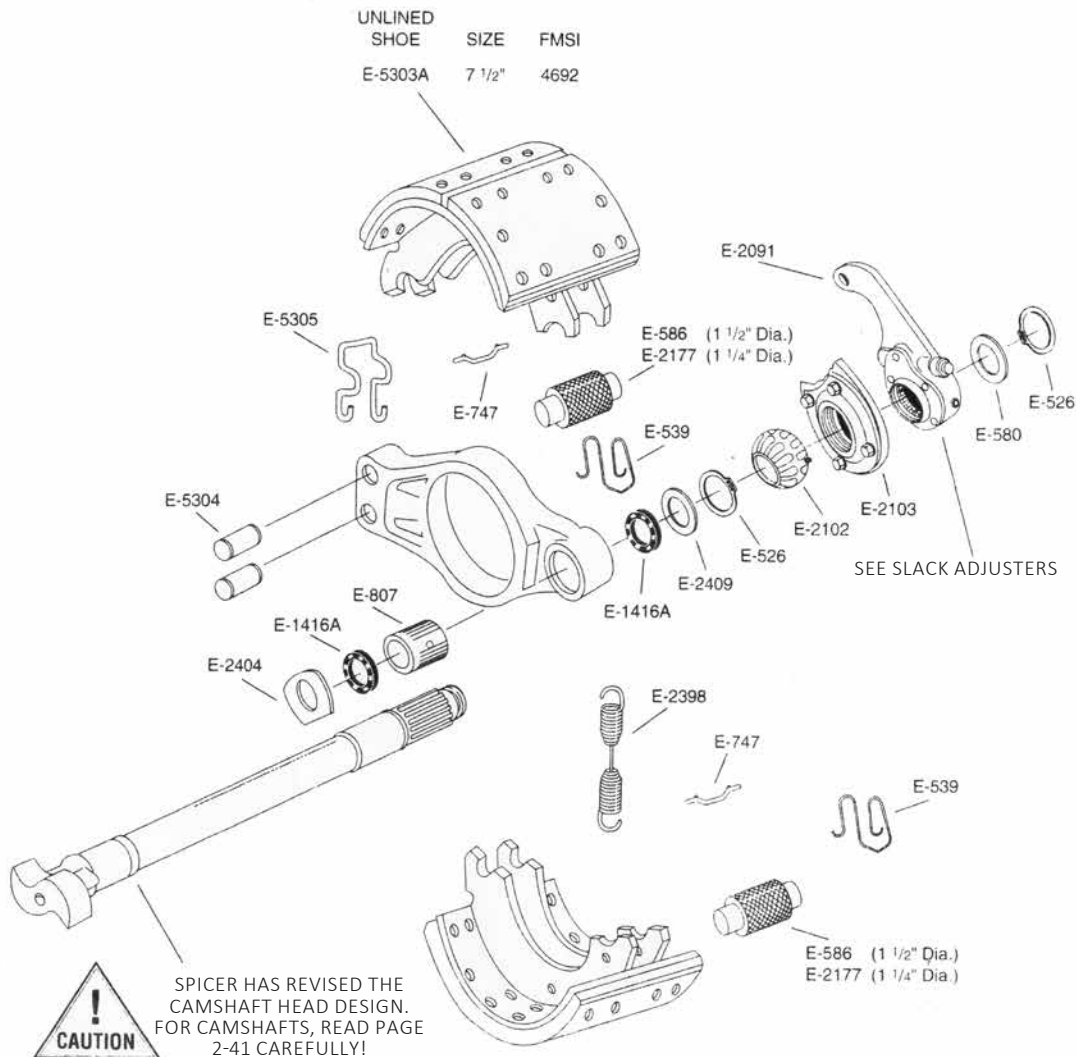
Note: For ABS-Equipped Axles, use Brake Repair Kit E-14539

SPICER (DANA) 12-1/4" DIAMETER U BRAKES

BRAKE HARDWARE

SPICER (DANA) 12-1/4" DIA. U BRAKES

PART NO.	PAGE NO.
E-526	2-89
E-527	1-107
E-539	1-110
E-580	2-86
E-747	1-119
E-807	2-79
E-1416A	2-84
E-2091	3-3
E-2102	2-80
E-2103	2-73
E-2177	1-101
E-2395	1-102
E-2396	1-103
E-2398	1-114
E-2399	1-119
E-2404	2-88
E-2409	2-86
E-3782	1-76
E-5303A	1-123
E-5304	1-104
E-5305	1-118
E-5306	1-77
E-5307	2-52
E-9283	1-77

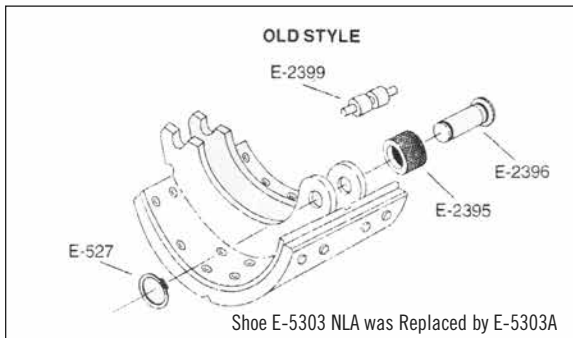


CAUTION
 SPICER HAS REVISED THE CAMSHAFT HEAD DESIGN. FOR CAMSHAFTS, READ PAGE 2-41 CAREFULLY!

For New Style Brake Repair Kit use
 E-3782 (1 1/4" Dia. Rollers)
 E-9283 (1 1/2" Dia. Rollers)

For Old Style Brake Repair Kit use
 E-5306

For Camshaft Repair Kit use
 E-5307



PART NO.	PAGE NO.
E-03009	6-56
E-04000	6-56
E-540	6-37
E-572	6-37
E-573	6-40
E-975	6-56

OUTER CUP AND CONE
HM212011/HM212049
(D21, D22)

INNER CUP AND CONE
HM218210/HM218248 (D22)
653/663 (D21)

E-975 E-572 E-573 E-540

SEE WHEEL AND HUB PARTS SECTION

E-04000 E-03009

CAMSHAFT, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-580	2-86
E-719	2-87
E-759	2-79
E-807	2-79
E-1416A	2-84
E-2087	2-60
E-2102	2-80
E-2104	2-73
E-2287	2-63

(Bolt-on Spider)

SEE SLACK ADJUSTERS

E-1416A E-759 E-536 E-1416A E-719 E-526 E-2102 E-2104 E-580 E-526

SEE CAMSHAFT SECTION

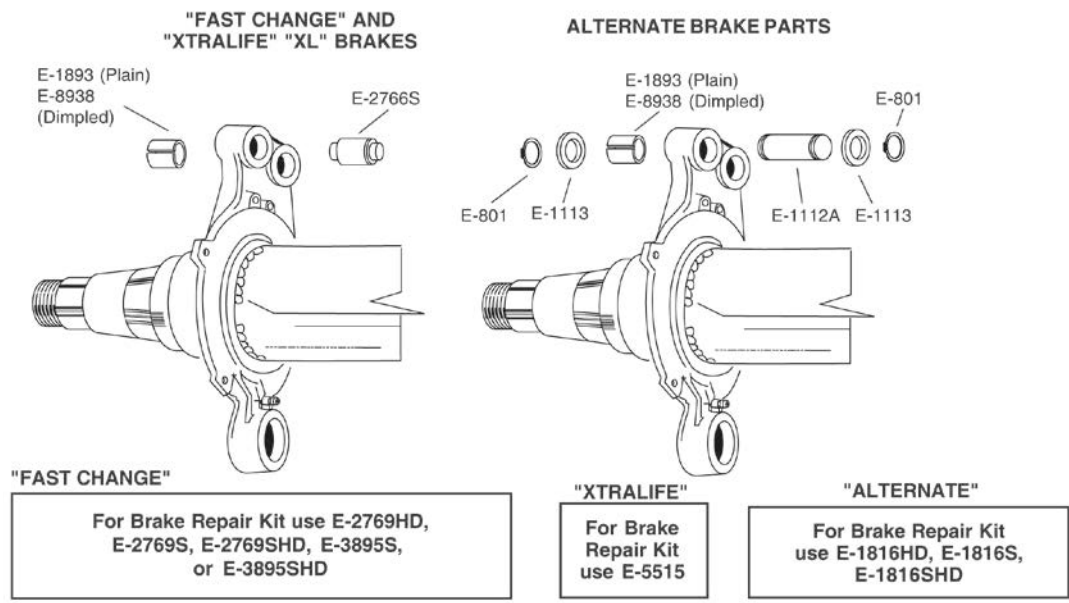
For Camshaft Repair Kit use E-2287

Optional Rigid Cam Support Bracket
E-759 (Nylon)
E-807 (Bronze)

For Camshaft Repair Kit use E-2087

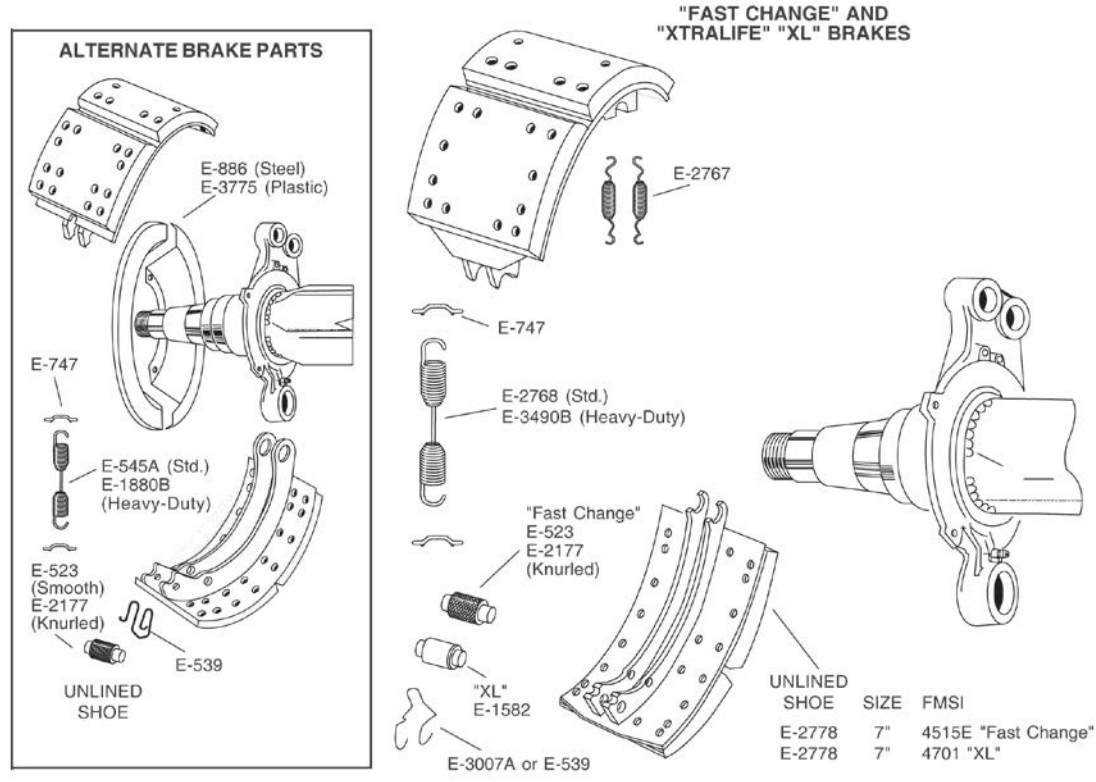
ANCHOR PIN VARIATIONS

PART NO.	PAGE NO.
E-801	1-108
E-1112A	1-104
E-1113	1-111
E-1816HD	1-97
E-1816S	1-97
E-1816SHD	1-97
E-1893	1-113
E-2766S	1-104
E-2769HD	1-92
E-2769S	1-92
E-2769SHD	1-92
E-3895S	1-96
E-3895SHD	1-96
E-5515	1-95
E-8938	1-113



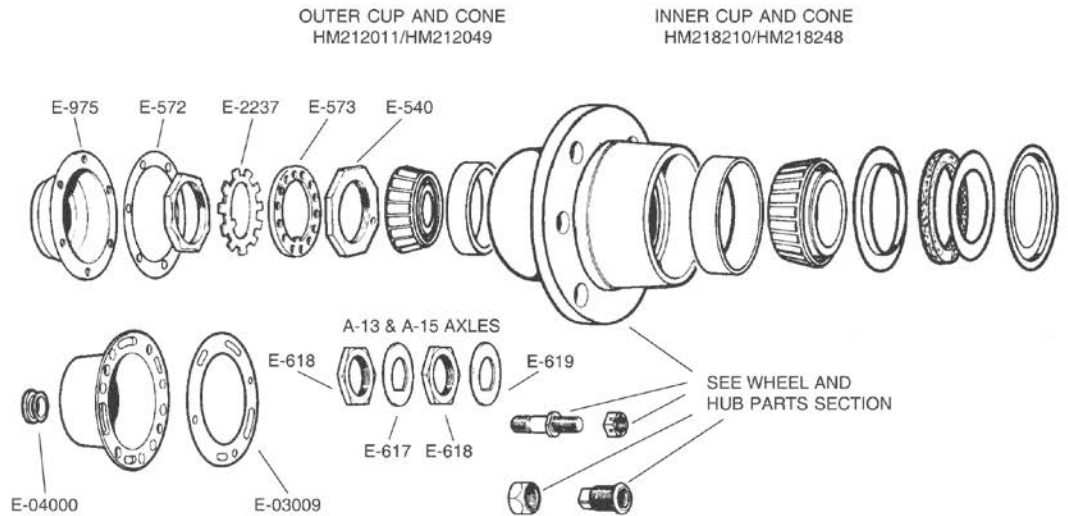
SHOES, ROLLERS, SPRING & DUST SHIELD

PART NO.	PAGE NO.
E-523	1-101
E-539	1-110
E-545A	1-116
E-747	1-119
E-886	1-129
E-1582	1-101
E-1880B	1-116
E-2177	1-101
E-2767	1-118
E-2768	1-116
E-2778	1-126
E-3007A	1-110
E-3490B	1-116
E-3775	1-129

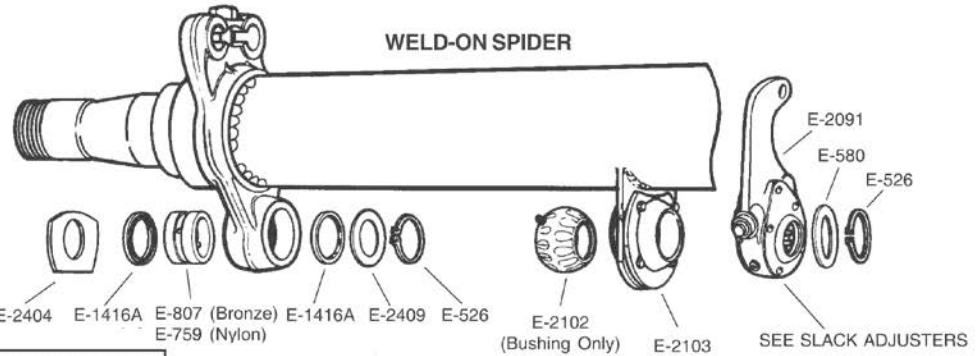


HUB CAPS, SPINDLE NUTS, SEALS & STUDS

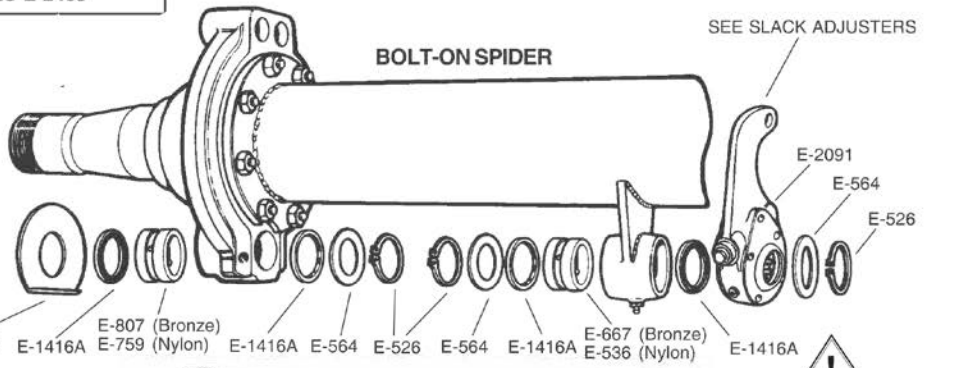
PART NO.	PAGE NO.
E-03009	6-56
E-04000	6-56
E-540	6-37
E-572	6-37
E-573	6-40
E-617	6-36
E-618	-
E-619	6-36
E-975	6-56
E-2237	6-40



PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-564	2-86
E-580	2-86
E-667	2-53
E-759	2-79
E-807	2-79
E-1408	2-88
E-1416A	2-84
E-2091	3-3
E-2102	2-80
E-2103	2-73
E-2404	2-88
E-2409	2-86
E-2469	2-51
E-2526	2-52



For Camshaft Repair Kit use E-2469



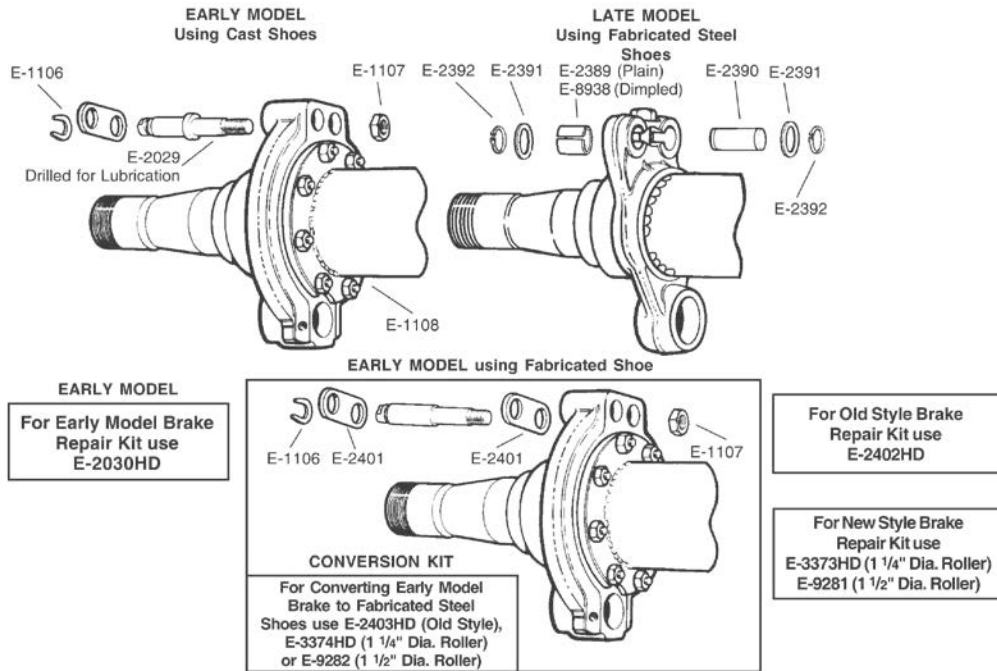
For Camshaft Repair Kit use E-2526



CAUTION
SPICER HAS REVISED THE CAMSHAFT HEAD DESIGN.
FOR CAMSHAFTS, READ PAGE 2-41 CAREFULLY!

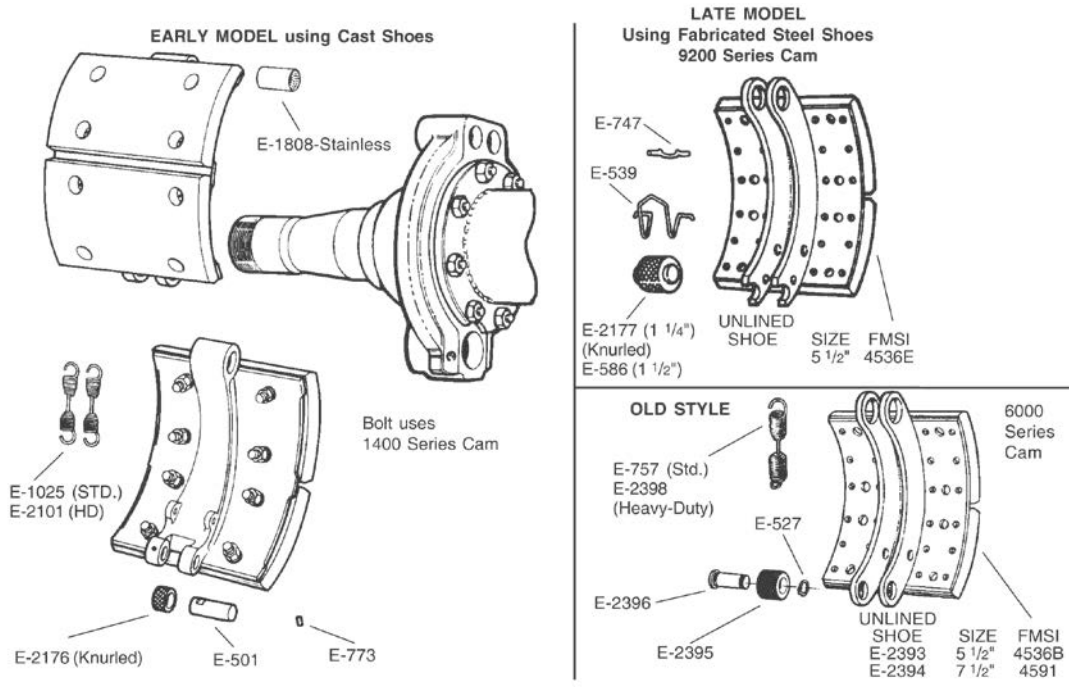
ANCHOR PIN VARIATIONS

PART NO.	PAGE NO.
E-1106	1-107
E-1107	1-109
E-1108	1-127
E-2029	1-105
E-2030HD	1-77
E-2389	1-113
E-2390	1-104
E-2391	1-111
E-2392	1-107
E-2401	1-109
E-2402HD	1-78
E-2403HD	1-74
E-3373HD	1-76
E-3374HD	1-74
E-8938	1-113
E-9281	1-76
E-9282	1-74



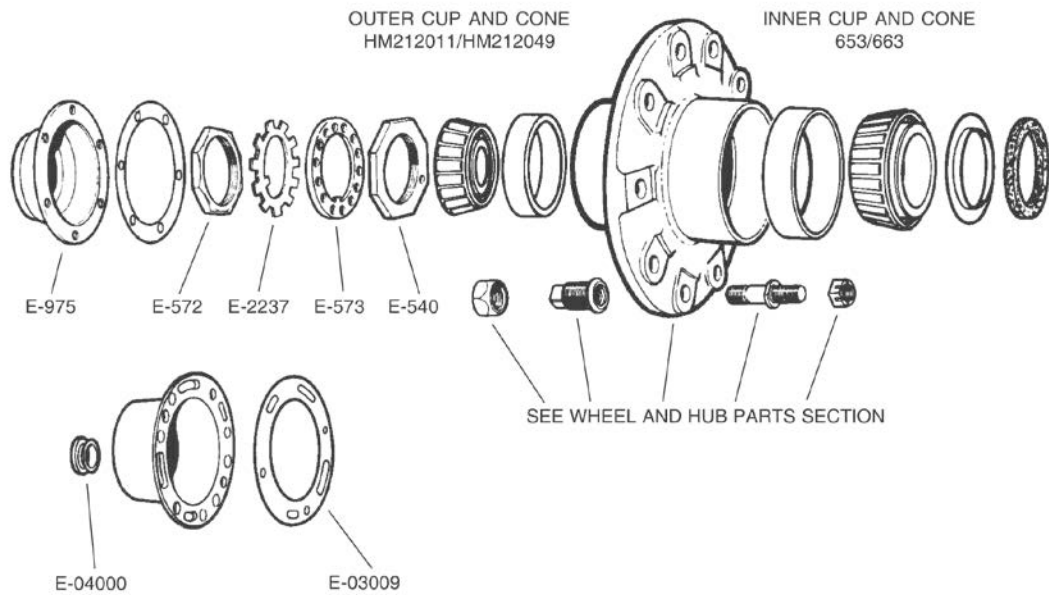
SHOES, ROLLERS, SPRING & DUST SHIELD

PART NO.	PAGE NO.
E-501	1-103
E-527	1-107
E-539	1-110
E-586	1-101
E-747	1-119
E-757	1-114
E-773	1-110
E-1025	1-114
E-1808	1-112
E-2101	1-114
E-2176	1-102
E-2177	1-101
E-2394	1-123
E-2395	1-102
E-2396	1-103
E-2398	1-114



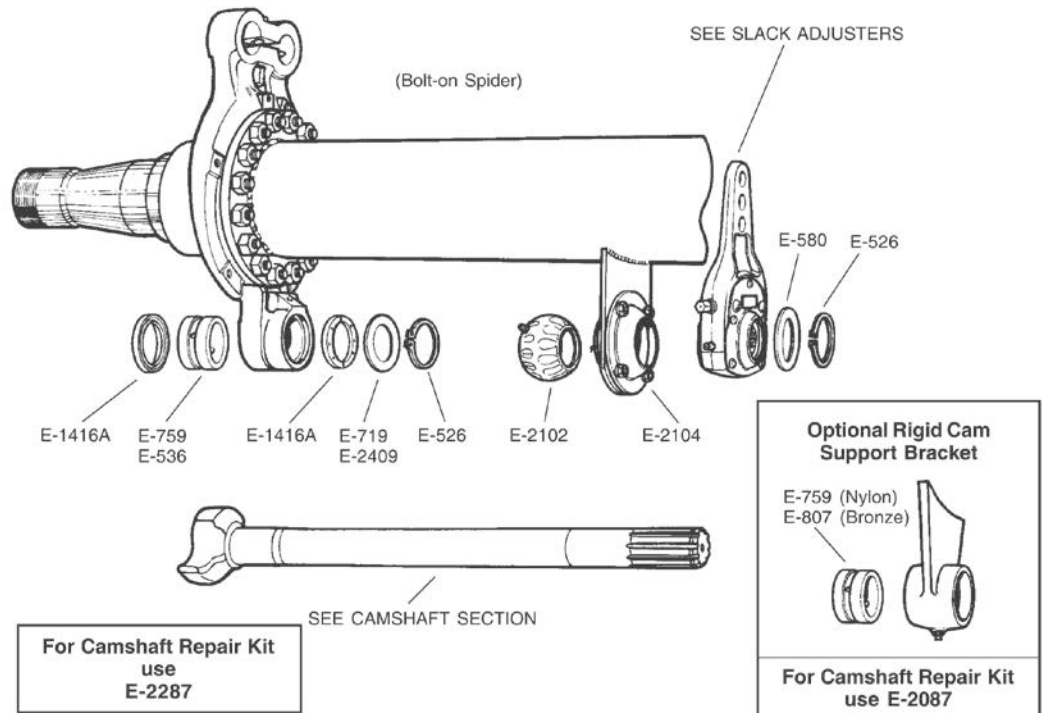
HUB CAPS, SPINDLE NUTS, SEALS & STUDS

PART NO.	PAGE NO.
E-03009	6-56
E-04000	6-56
E-540	6-37
E-572	6-37
E-573	6-40
E-975	6-56
E-2237	6-40



CAMSHAFTS, BUSHINGS & BRACKET PARTS

PART NO.	PAGE NO.
E-526	2-89
E-536	2-79
E-580	2-86
E-719	2-87
E-759	2-79
E-807	2-79
E-1416A	2-84
E-2087	2-60
E-2102	2-80
E-2104	2-73
E-2287	2-63
E-2409	2-86

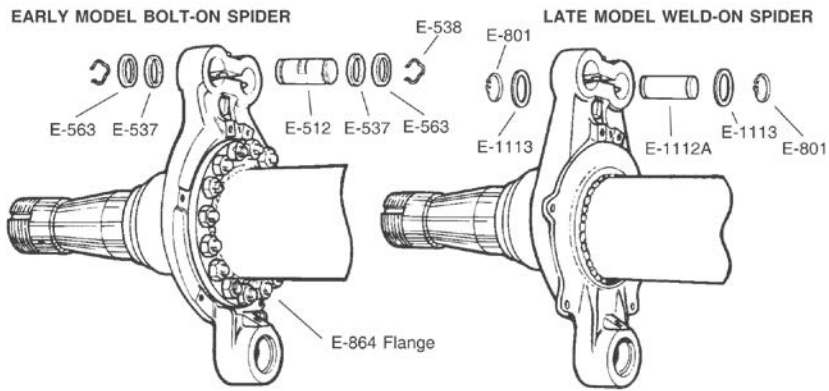


SERIES TRAILER AXLE WITH 16-1/2" DIAMETER BRAKES

BRAKE HARDWARE

ANCHOR PIN VARIATIONS

PART NO.	PAGE NO.
E-502	1-105
E-512	1-104
E-537	1-107
E-563	1-107
E-801	1-108
E-864	1-127
E-1112A	1-104
E-1113	1-111
KIT-4S	1-94
KIT-4SHD	1-94

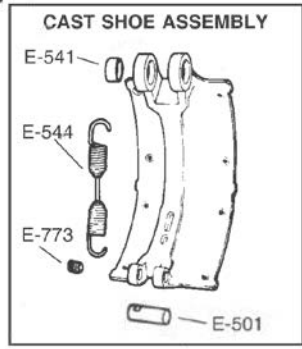
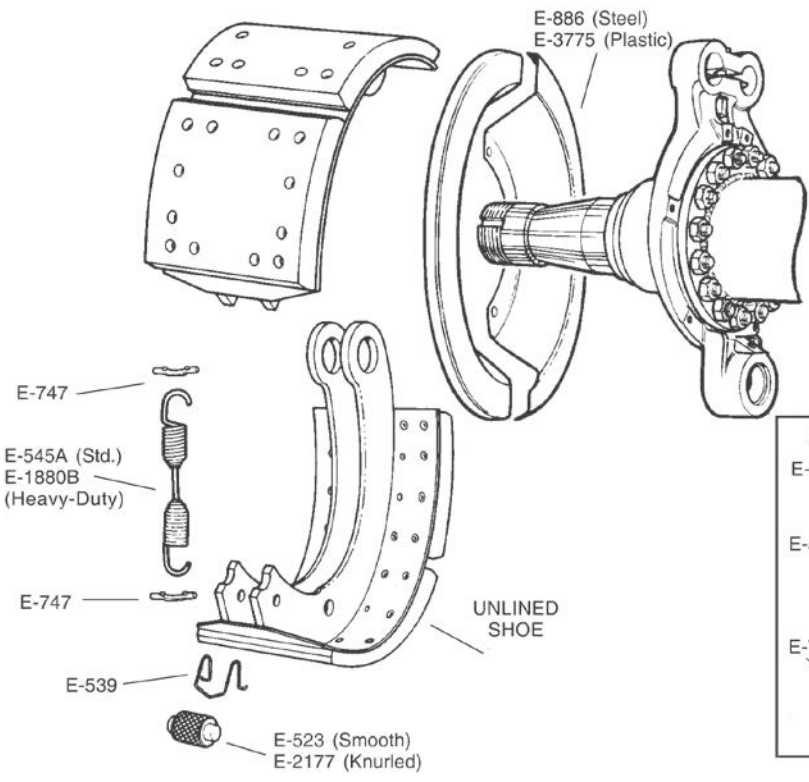


For Brake Repair Kit use
KIT-4S, KIT-4SHD



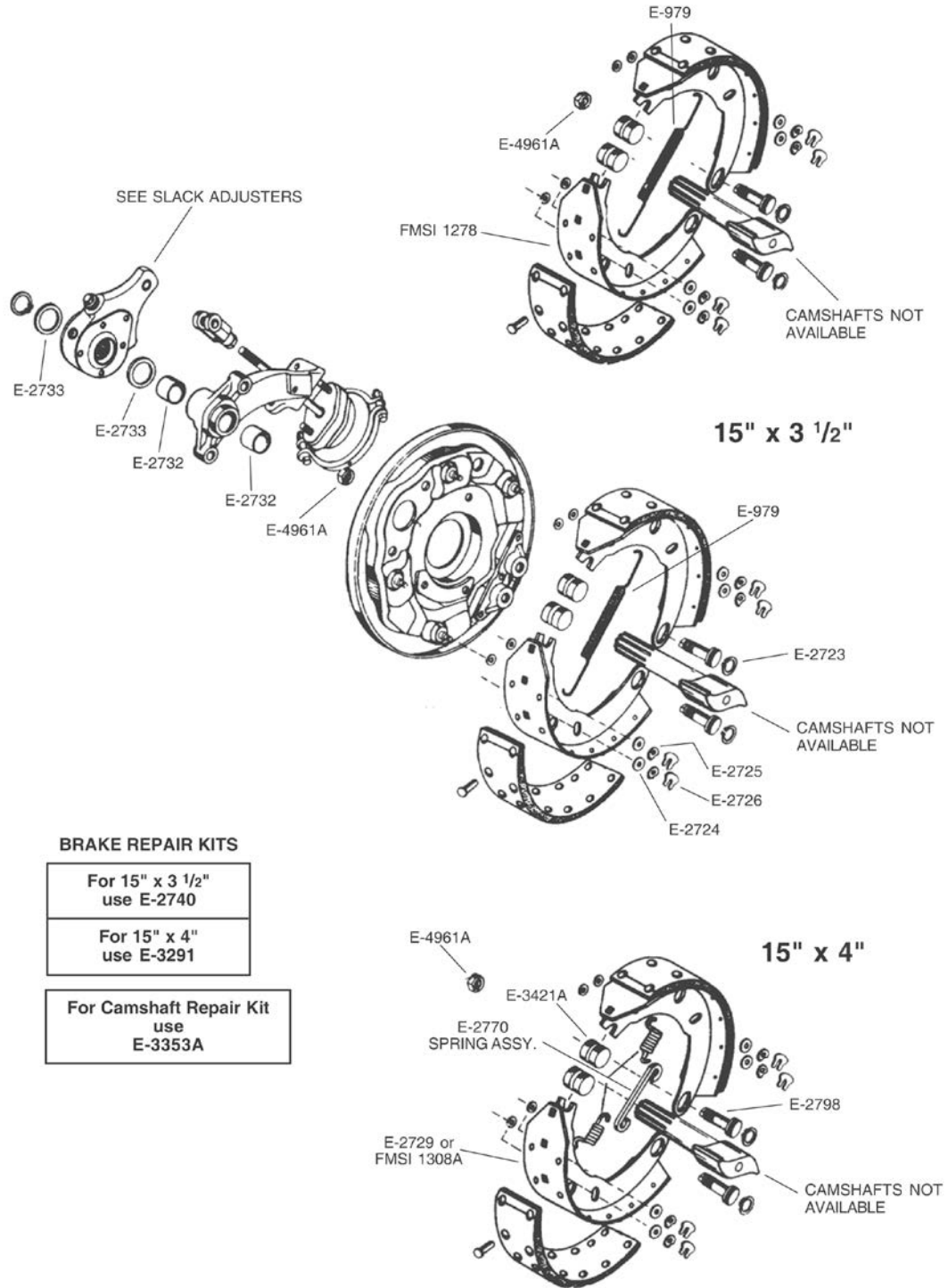
SHOES, ROLLERS, SPRING & DUST SHIELD

PART NO.	PAGE NO.
E-501	1-103
E-523	1-101
E-539	1-110
E-541	1-112
E-544	1-116
E-545A	1-116
E-747	1-119
E-773	1-110
E-886	1-129
E-1880B	1-116
E-2177	1-101
E-3775	1-129

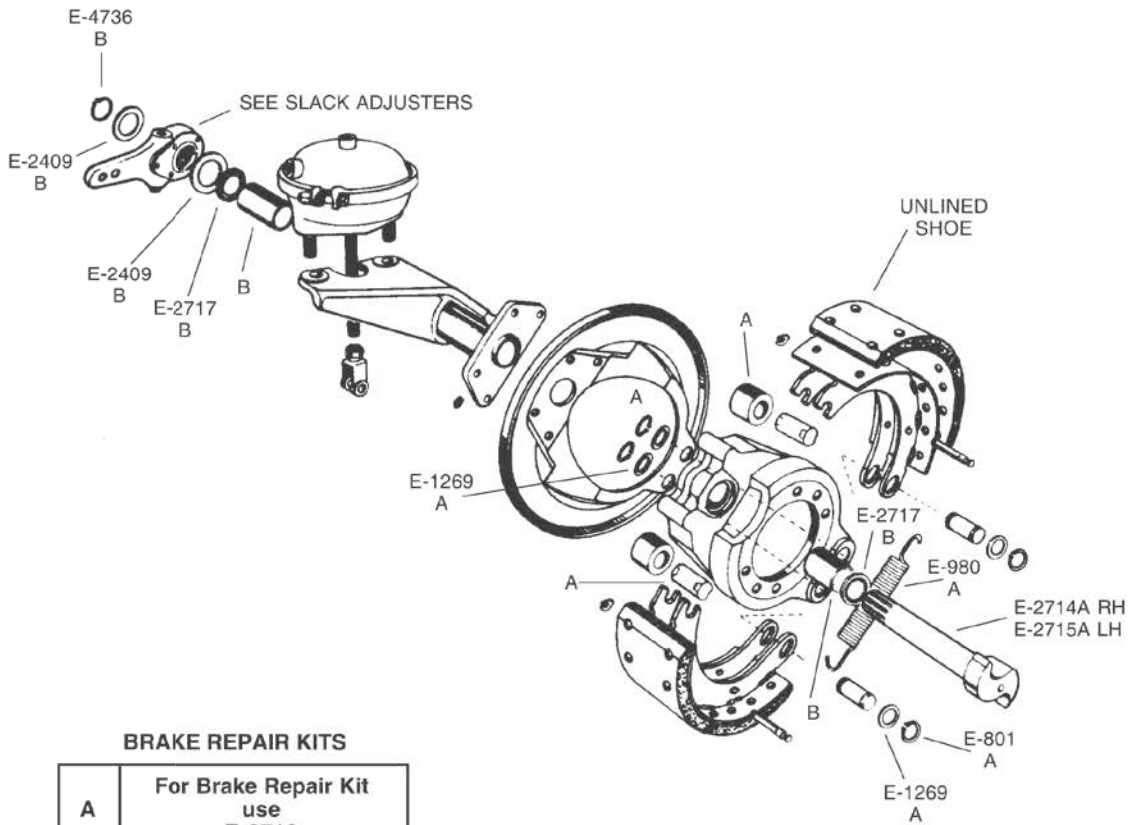


FRONT AXLE

PART NO.	PAGE NO.
E-979	1-115
E-2723	1-108
E-2724	1-111
E-2725	1-111
E-2726	1-111
E-2733	2-86
E-3291	1-83
E-3353A	2-56
E-3421A	1-101
E-4961A	1-109



PART NO.	PAGE NO.
E-801	1-108
E-980	1-115
E-1269	1-107
E-2409	2-86
E-2713	1-84
E-2714A	2-25
E-2715A	2-25
E-2717	2-84
E-3354	2-56
E-4736	2-89

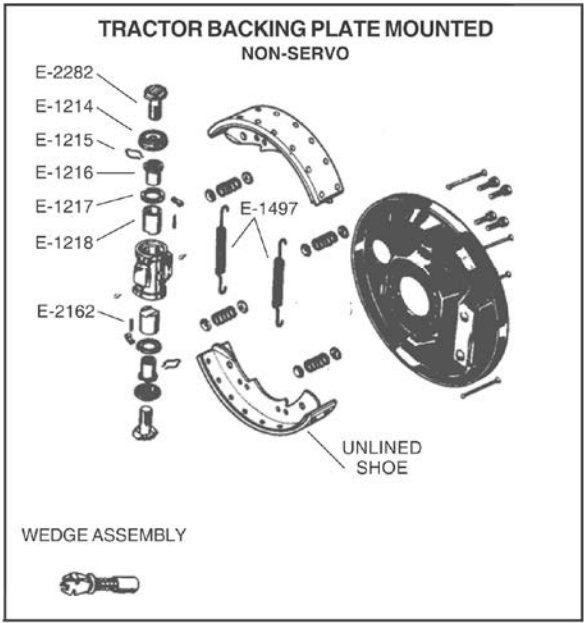
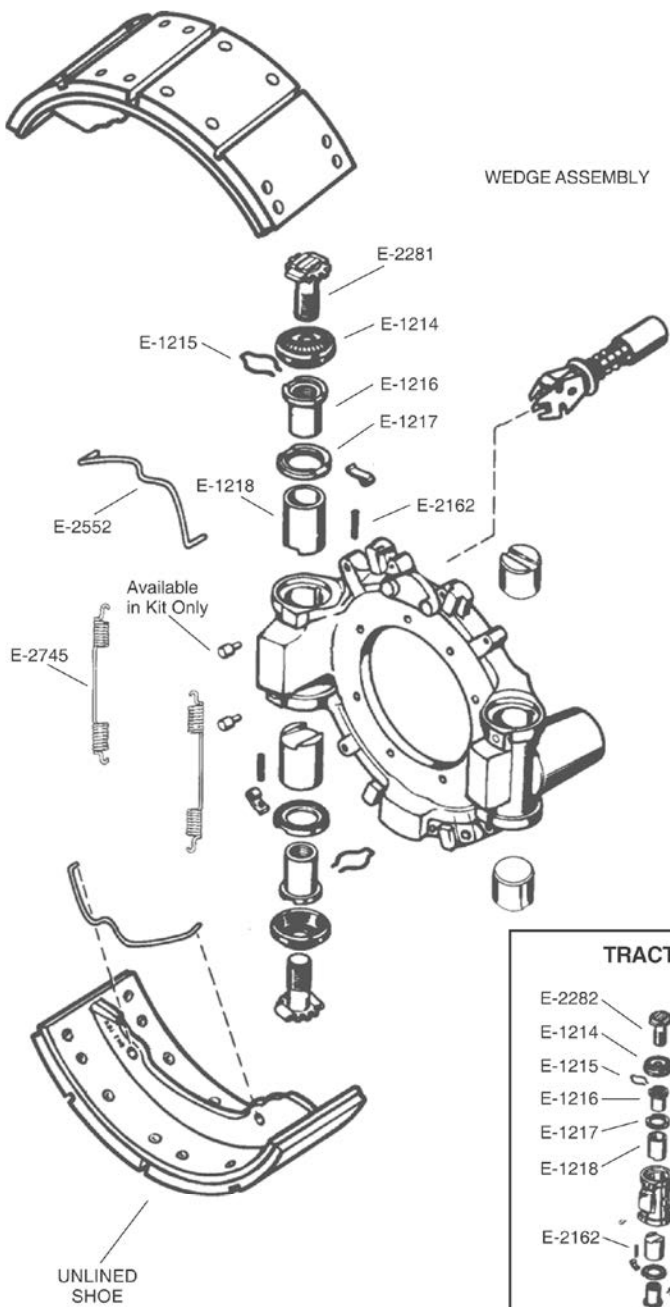


BRAKE REPAIR KITS

A	For Brake Repair Kit use E-2713
B	For Camshaft Repair Kit use E-3354

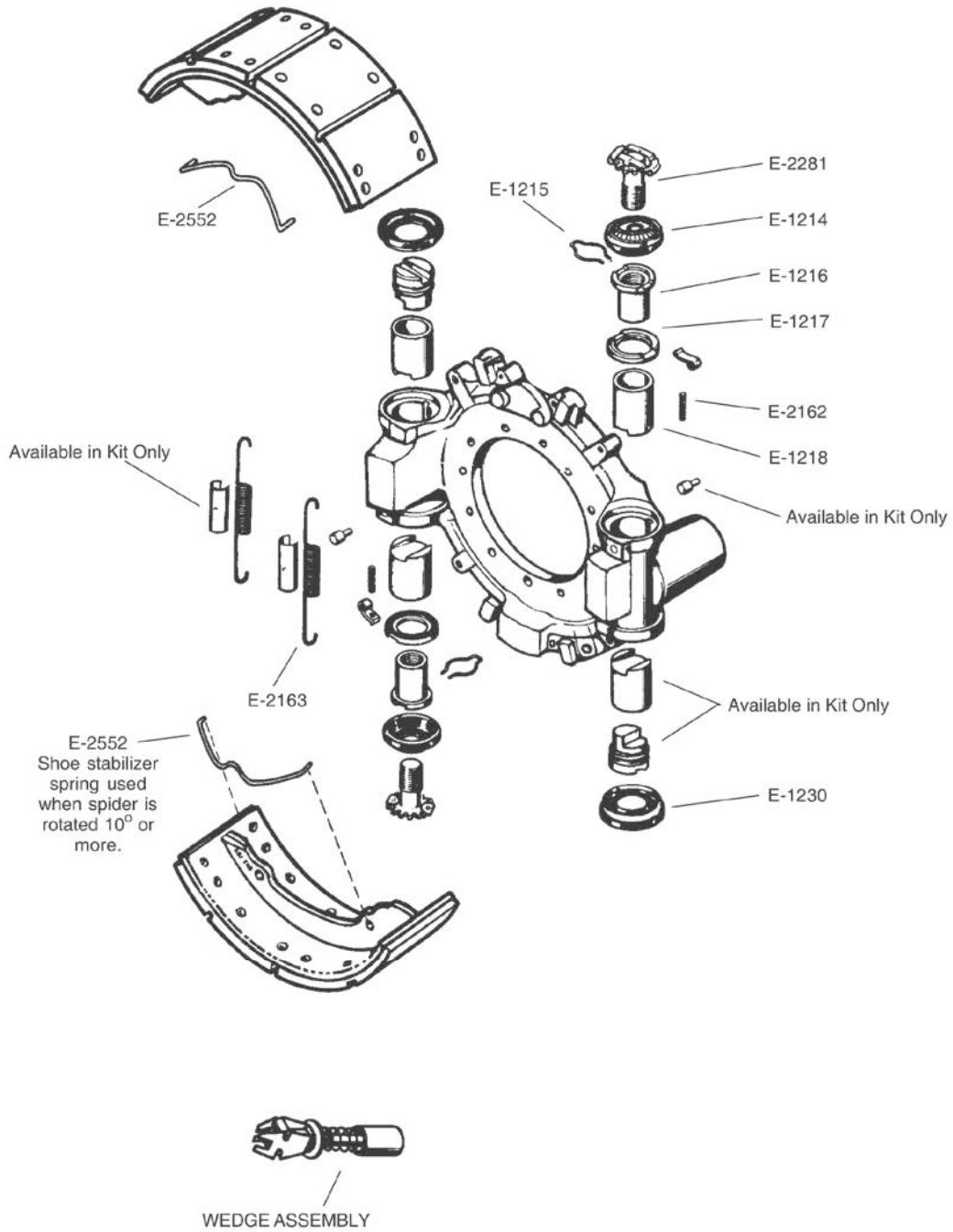
TRACTOR STEERING AXLE NON-SERVO

PART NO.	PAGE NO.
E-1214	5-4
E-1215	5-2
E-1216	5-2
E-1217	5-2
E-1218	5-3
E-2162	5-2
E-2281	5-2
E-2282	5-2
E-2552	5-3
E-2745	5-3



TRACTOR-TRAILER SPIDER MOUNTED BRAKE TWIN-PLEX

PART NO.	PAGE NO.
E-1214	5-4
E-1215	5-2
E-1216	5-2
E-1217	5-2
E-1218	5-3
E-1230	5-4
E-2162	5-2
E-2163	1-118
E-2281	5-2
E-2552	5-3



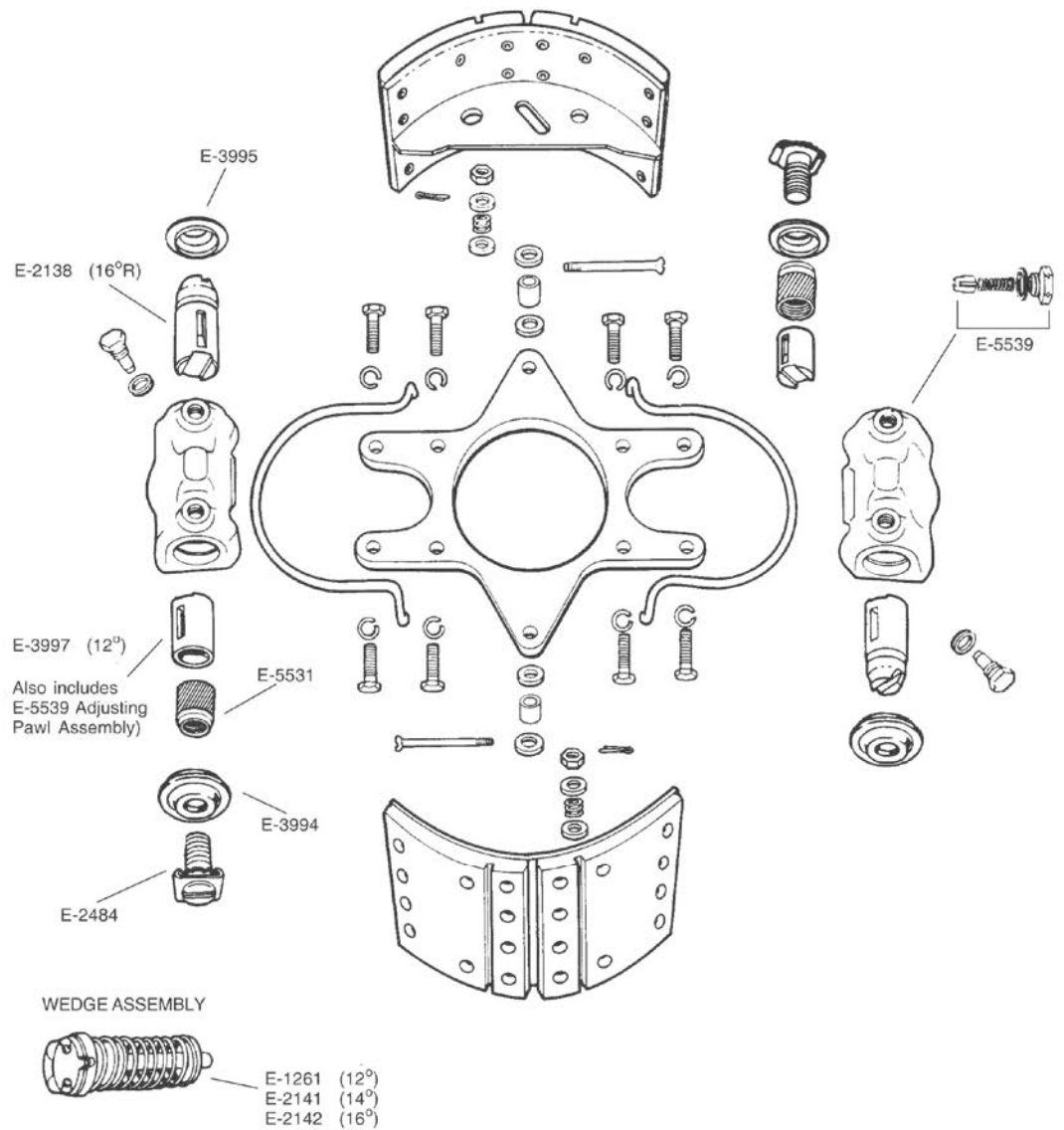
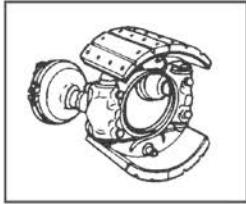
MERITOR STOPMASTER 12-1/4" DIAMETER WEDGE BRAKES

Brake and
Wheel End

BRAKE HARDWARE

TRAILER 12-1/4" SPIDER MOUNTED BRAKE

PART NO.	PAGE NO.
E-1136	5-6
E-1137	5-6
E-1261	5-8
E-2138	5-6
E-2141	5-8
E-2142	5-8
E-2484	5-5
E-3994	5-7
E-3995	5-7
E-3997	5-5
E-5531	5-5
E-5539	5-7

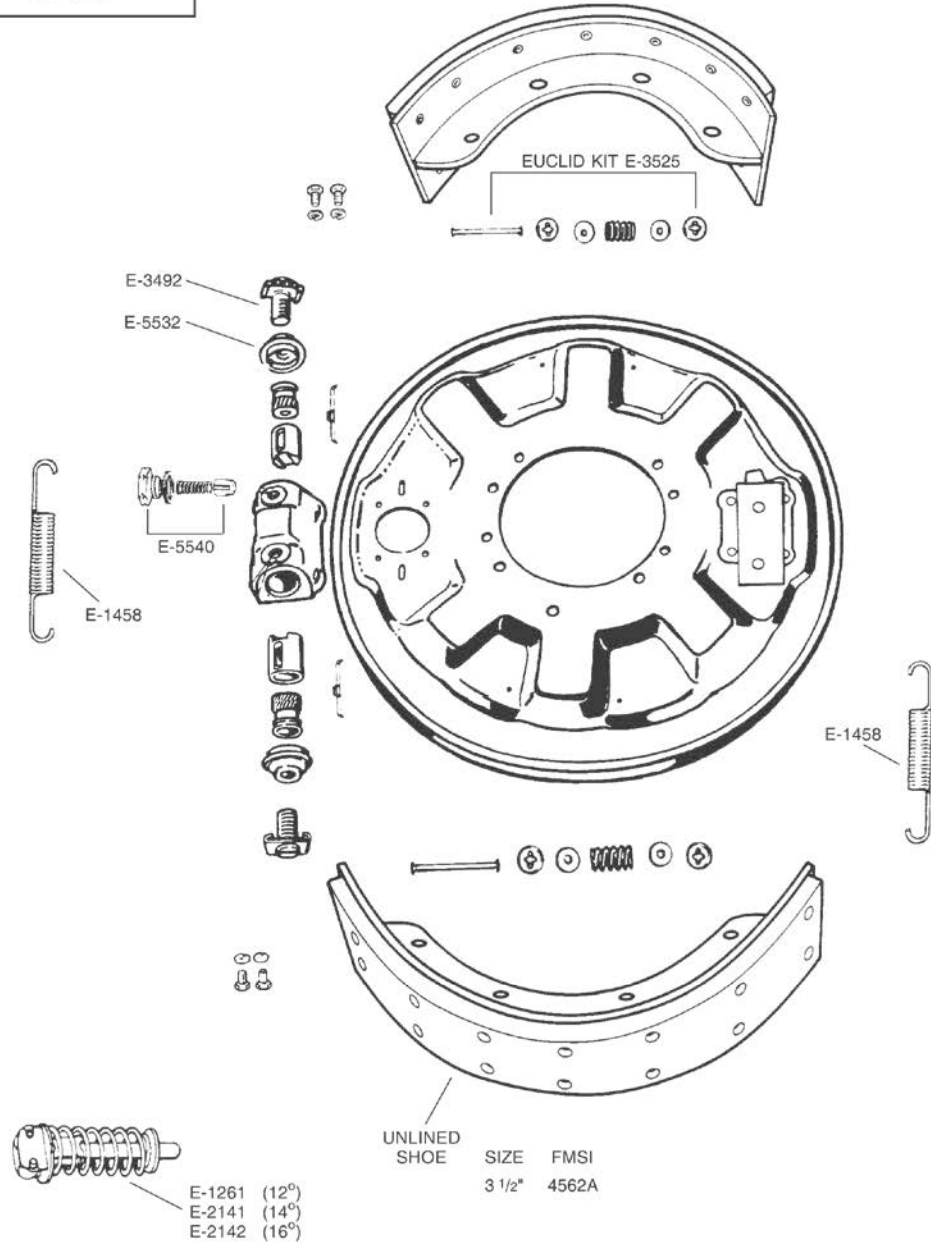
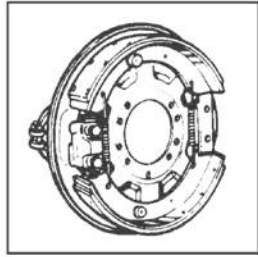


MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES

BRAKE HARDWARE

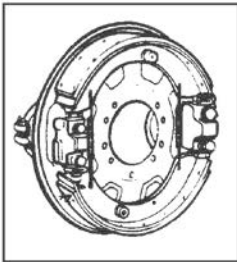
TRUCK & TRACTOR BACKING PLATE MOUNTED (DUAL ACTUATION)

PART NO.	PAGE NO.
E-1261	5-8
E-1458	1-117
E-2141	5-8
E-2142	5-8
E-3492	5-5
E-3525	5-10
E-5532	5-7
E-5540	5-7

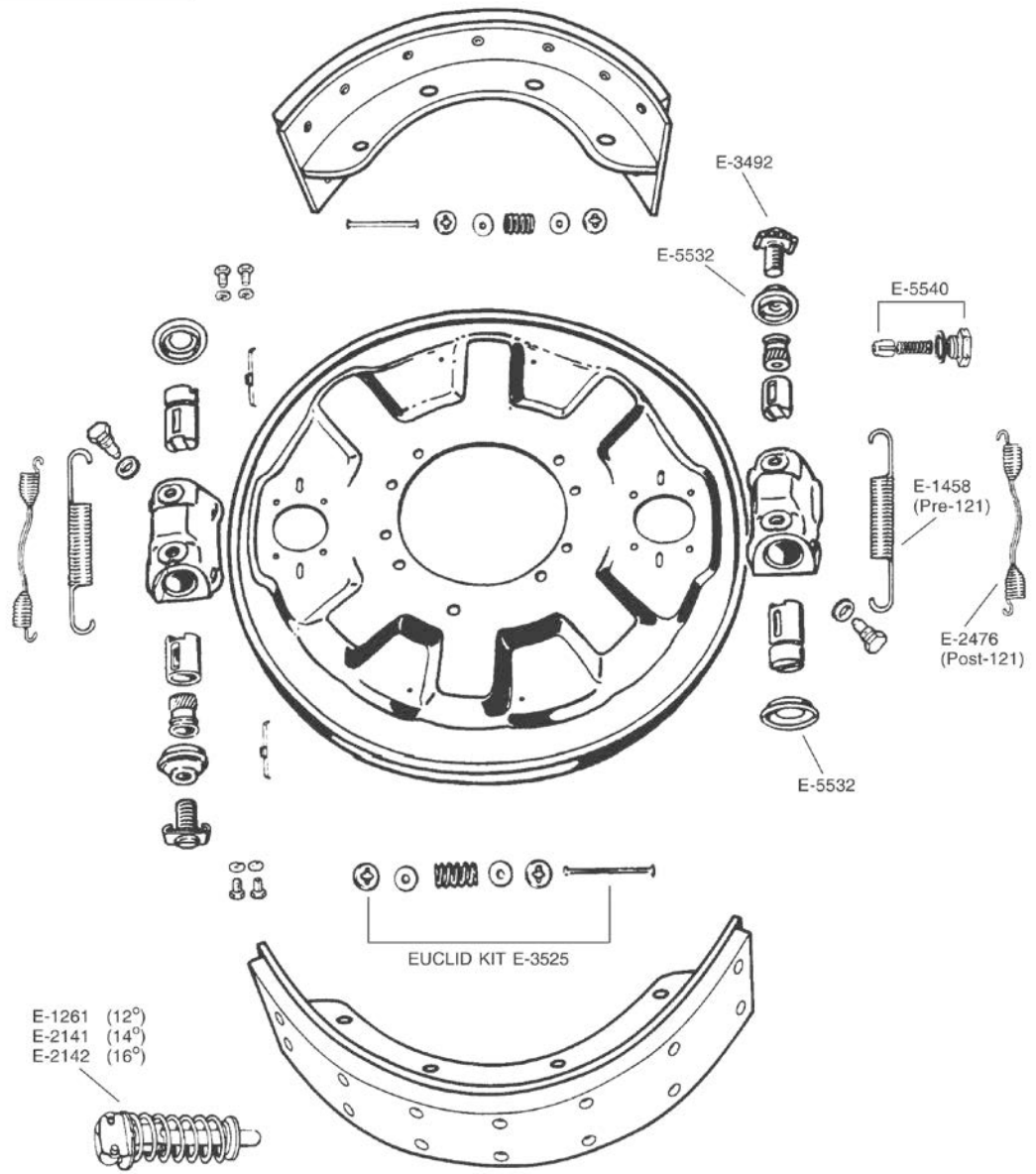


TRUCK & TRACTOR BACKING PLATE MOUNTED (SINGLE ACTUATION)

PART NO.	PAGE NO.
E-1261	5-8
E-1458	1-117
E-2141	5-8
E-2142	5-8
E-2476	1-118
E-3492	5-5
E-3525	5-10
E-5532	5-7
E-5540	5-7



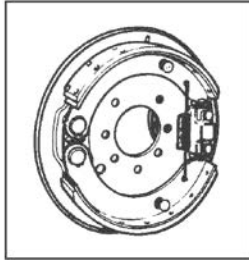
UNLINED SHOE
 SIZE 3 1/2"
 FMSI 4562A



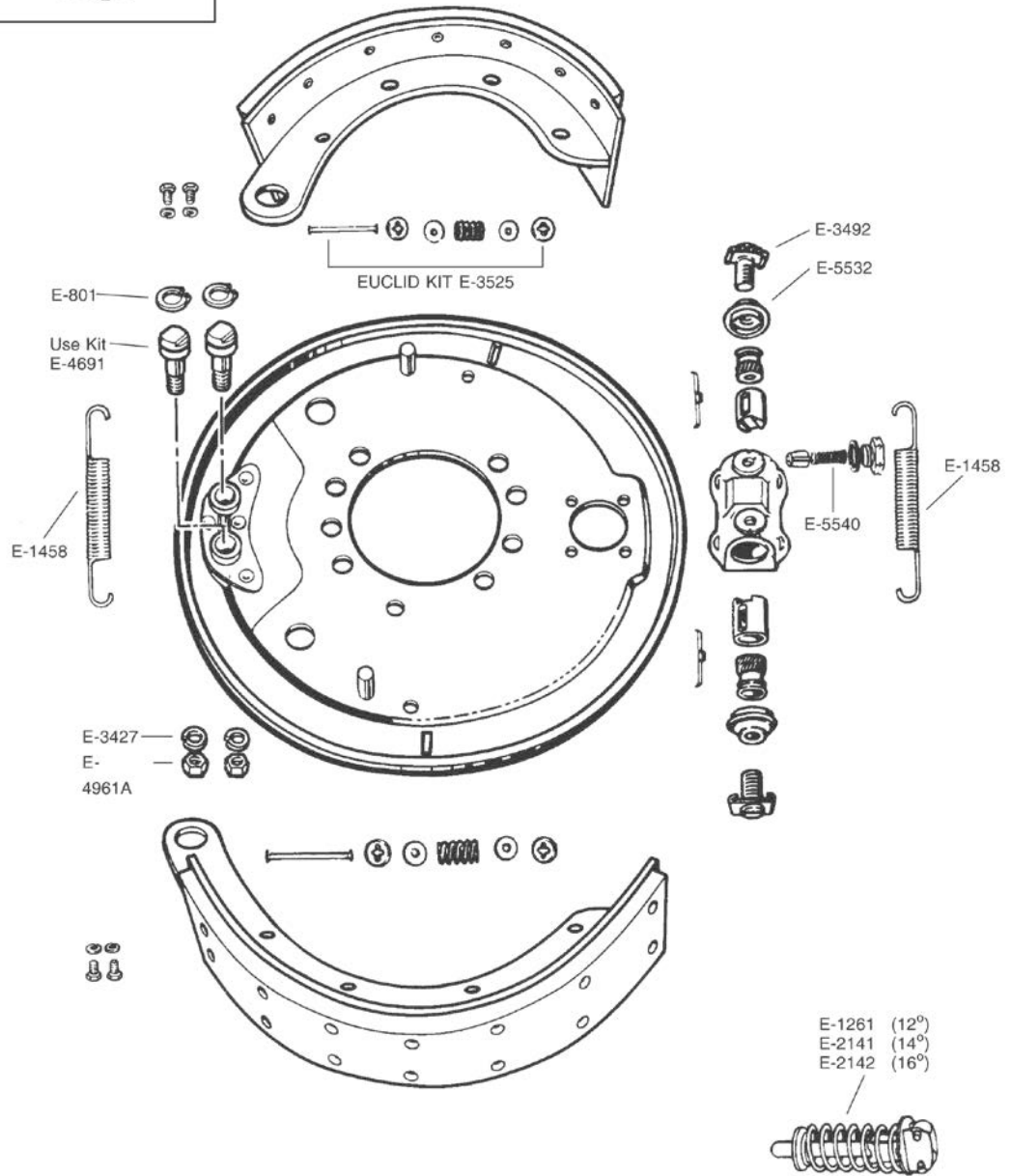
MERITOR STOPMASTER 15" DIAMETER RSA WEDGE BRAKES

TRUCK & TRACTOR BACKING PLATE MOUNTED (DUAL ANCHOR PIN)

PART NO.	PAGE NO.
E-801	1-108
E-1261	5-8
E-1458	1-117
E-2141	5-8
E-2142	5-8
E-3427	1-111
E-3492	5-5
E-3525	5-10
E-4691	1-82
E-4961A	1-109
E-5532	5-7
E-5540	5-7



UNLINED
SHOE SIZE FMSI
4" 1308



BRAKE HARDWARE

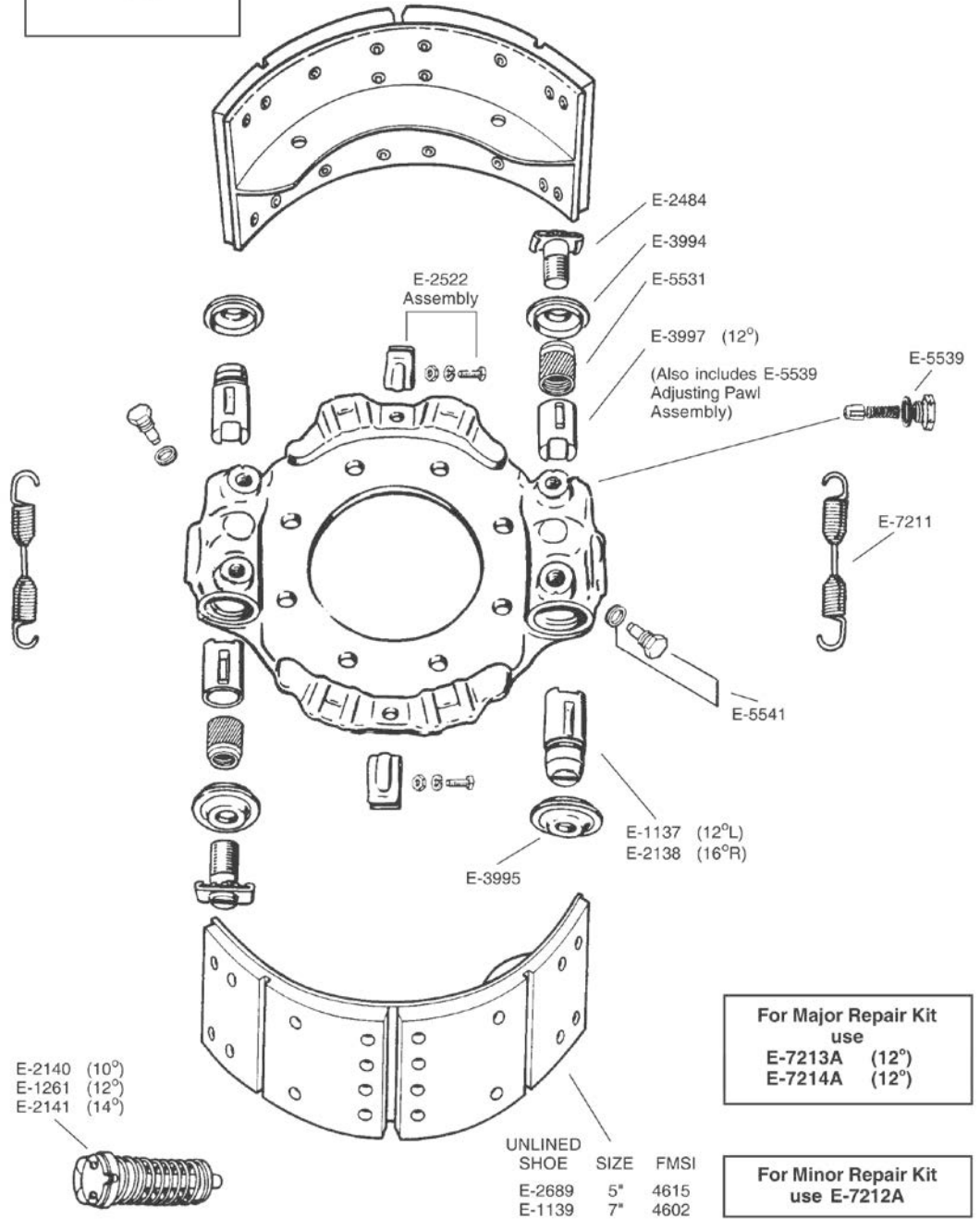
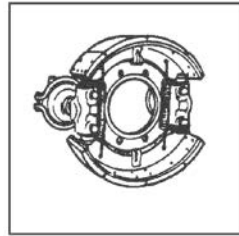
MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES

Brake and
Wheel End

BRAKE HARDWARE

TRUCK & TRACTOR BOLT-ON SPIDER

PART NO.	PAGE NO.
E-1136	5-6
E-1137	5-6
E-1139	1-124
E-1261	5-8
E-2138	5-6
E-2141	5-8
E-2484	5-5
E-2522	5-9
E-2689	1-124
E-3994	5-7
E-3997	5-5
E-5531	5-5
E-5539	5-7
E-7211	5-9
E-7212A	5-11
E-7213A	5-11
E-7214A	5-12

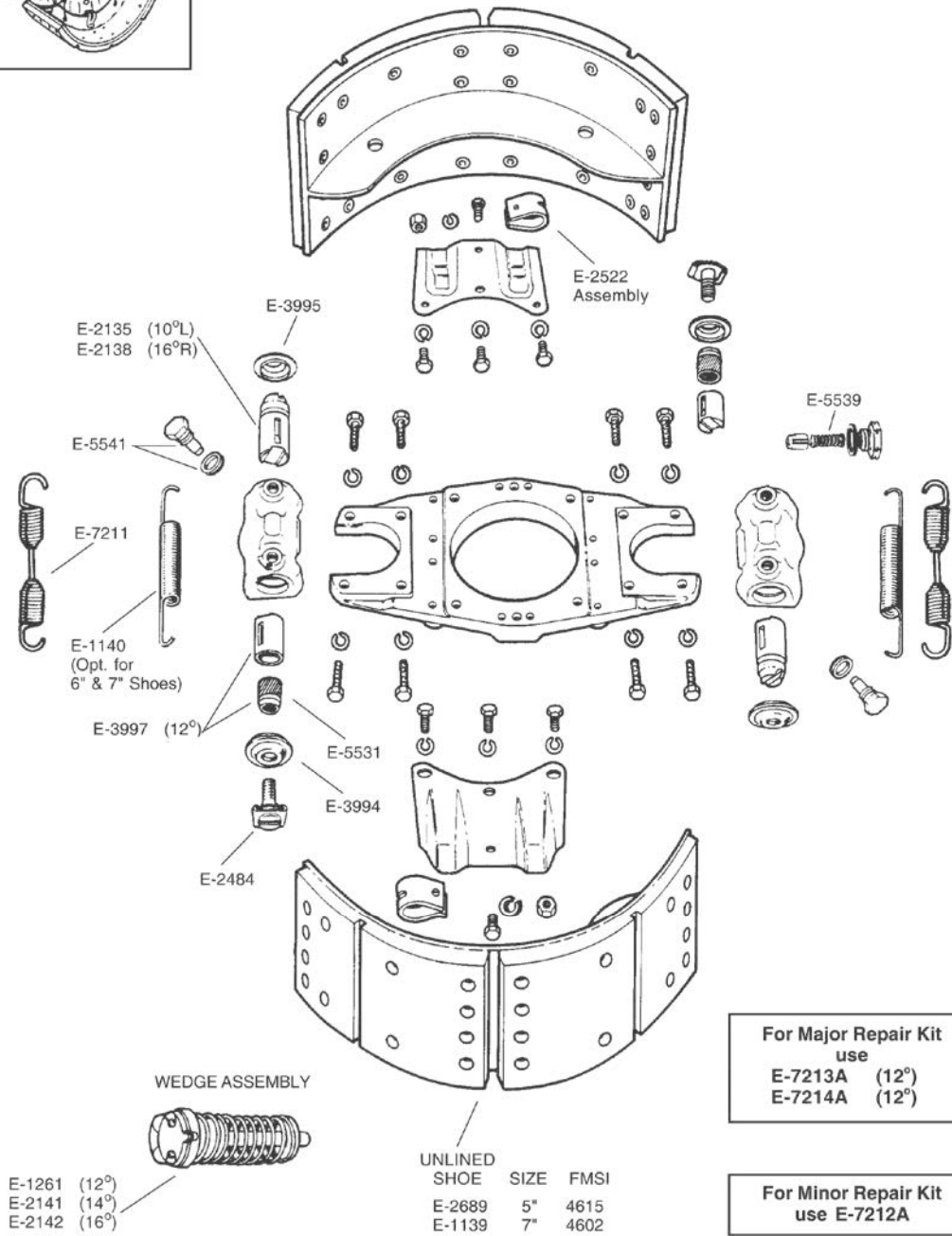
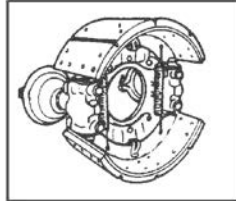


MERITOR STOPMASTER 15" DIAMETER WEDGE BRAKES

BRAKE HARDWARE

TRUCK & TRACTOR WELD-ON SPIDER WITH BOLT-ON HOUSING

PART NO.	PAGE NO.
E-1136	5-6
E-1137	5-6
E-1139	1-124
E-1140	1-118
E-1261	5-8
E-2138	5-6
E-2141	5-8
E-2142	5-8
E-2484	5-5
E-2522	5-9
E-2689	1-124
E-3994	5-7
E-3995	5-7
E-3997	5-5
E-5531	5-5
E-5539	5-7
E-7211	5-9
E-7212A	5-11
E-7213A	5-11
E-7214A	5-12



EUCLID BRAKE HARDWARE KITS



EUCLID ADVANTAGES

- Delivers both proven stopping performance and extended brake life to reduce maintenance costs
- All parts tested by Meritor to OE replacement specifications
- All parts engineered to manage the brake forces generated for superior performance
- Built-in technology leadership you expect from a global leader in brake manufacturing
- Proven quality control



THOUSANDS OF RELIABLE PARTS, ONE TRUSTED NAME

GENUINE BRAKE HARDWARE KIT COMPONENTS

Anchor Pins

Euclid anchor pins are case-hardened for longer life. Euclid MEGA PLUS™ anchor pins are hard chrome or zinc plated for corrosion resistance.



Euclid STOPMATE PLUS™ pins are zinc plated for maximum corrosion resistance.

All Euclid anchor pins provide a close fit between pin and shoe, yet allow the shoe to move freely.

Brake Shoe Rollers

Euclid "Posi Plus" shoe rollers add smooth radius edges to prevent flatspotting on the roller surface. When uneven brake cam pressure occurs, pressure is distributed evenly across the radius-edge surface of the roller to prevent cracks that lead to flat spots.



Euclid "Posi Plus" brake shoe rollers are included in MEGA PLUS and STOPMATE PLUS hardware kits.

Stainless Steel Anchor Pin Bushings

Euclid MEGA PLUS stainless steel anchor pin bushings feature an exclusive "dimpled" inner surface, which retains lubricant for easier pin removal.



Euclid STOPMATE PLUS kits feature stainless steel for corrosion resistance.

Brake Return Springs

Shot peening removes surface flaws – important under stress, since any flaws or forming marks become the weakest part of the spring. High-grade wire retains high spring tension for durability.



Euclid MEGA PLUS kits feature only heavy-duty 100-pound tension return springs.

Wire Roller Retainer

Coated to guard against corrosion, which can cause the brake shoe rollers to bind and accelerate camshaft wear.



QUICK REFERENCE GUIDE					
BRAKE APPLICATION	FMSI / DRILL#	EUCLID BRAKE SHOE	EUCLID MEGA+ HARDWARE KIT	EUCLID STOPMATE+ HARDWARE KIT	EUCLID STOPMATE HARDWARE KIT
12-1/4" x 4" Dexter	4700	E-9025	E-2402HD	n/a	n/a
12-1/4" x 5" Dexter Fabricated Shoes	4661C	E-9026	E-2402HD	n/a	n/a
12-1/4" x 5-1/2" Spicer & Standard Forge	4536B	E-2393	E-2402HD	n/a	n/a
12-1/4" x 5-1/2" Spicer & Standard Forge	4544	n/a	E-2403HD, E-3374HD	E-9282	n/a
12-1/4" x 5-1/2" Spicer Fabricated Shoes	4536E	n/a	E-3373HD	E-9281	n/a
12-1/4" x 5-1/2" Spicer U	4536E	n/a	E-3782	E-9283	n/a
12-1/4" x 7-1/2" Dexter PQ	4591	E-10878	E-10875	n/a	n/a
12-1/4" x 7-1/2" Eaton	4591	E-1398	E-2126	n/a	n/a
12-1/4" x 7-1/2" Meritor Q	4670	n/a	E-3484	n/a	n/a
12-1/4" x 7-1/2" Spicer & Standard Forge	4607	n/a	E-2403HD	n/a	n/a
12-1/4" x 7-1/2" Spicer Fast Change II	4692	E-10763	E-3373HD, E-10757	E-9281	n/a
12-1/4" x 7-1/2" Spicer U	4692	E-5303A	E-5306	n/a	n/a
12-1/4" x 7-1/2" Standard Forge Closed Roller End	4591	E-1398	E-2402HD	n/a	n/a
12-1/4" x 7-1/2" Standard Forge Open Roller End	4692	n/a	E-3782	E-9283	n/a
12-1/4" x 7-1/4" Spicer & Standard Forge	4607	n/a	E-3374HD	E-9282	n/a
14-1/2" x 10" Meritor Coach	4592A	E-10809, E-10810	E-10869, E-10870	n/a	n/a
14-1/2" x 4" Meritor Coach	4227G	n/a	E-10841-A, E-10866-A	n/a	n/a
14-1/2" x 5" Meritor Coach	4398B	E-10804	E-10841-A, E-10866-A	n/a	n/a
14-1/2" x 6" Meritor Coach	4228B	E-10803	E-10841-A, E-10866-A	n/a	n/a
14-1/2" x 8" Meritor Coach	4541B	E-10805	E-10867	n/a	n/a
15" x 3-1/2" Wagner	1280B	n/a	E-2740	n/a	n/a
15" x 4" Bendix	4693	n/a	n/a	E-7231, E-7232	n/a
15" x 4" Eaton ES Front	1443TT	E-9027	E-5139	n/a	E-1308E
15" x 4" Eaton Front	1308TT	E-5126	E-5139	n/a	E-1308E
15" x 4" Meritor Q Front	1308TT	E-5528	E-3869	E-7899	E-1308Q, E-1308QMA
15" x 4" Meritor Q+ Front	4702	E-9062	E-9064	n/a	E-4702-KT
15" x 4" Meritor T Front	1308TT	n/a	E-4691, E-6879	n/a	E-4691
15" x 4" Spicer ES	4729	n/a	n/a	E-11981	n/a
15" x 5" Meritor Lucas Hydraulic	4528A	E-4018	n/a	n/a	n/a
15" x 5" Meritor Q+ Front	4703	E-11453	E-9064	n/a	E-4702-KT
15" x 6" Bendix Wedge	4605	n/a	n/a	n/a	n/a
15" x 6" Meritor Lucas Hydraulic	4504	E-4019	n/a	n/a	n/a
15" x 6" Meritor Q+ Front	4704	E-11454	E-9064	n/a	E-4702-KT
15" x 6" Meritor Stopmaster Wedge	4605	n/a	n/a	n/a	n/a
15" x 6" Wagner	4596	n/a	E-2713	n/a	n/a
15" x 7" Meritor Lucas Hydraulic	4505	E-4020	n/a	n/a	n/a
15" x 7" Meritor Q+ Front	4705	E-11455	E-9064	n/a	E-4702-KT
15" x 7" Meritor Stopmaster Wedge	4602	E-1139	n/a	n/a	n/a
15" x 7" Wagner	4597	n/a	E-2713	n/a	n/a
15" x 8-5/8" Meritor Q+ Front	4710	E-11456	n/a	n/a	n/a

MB = Minus Anchor Pin Bushings
 HD = Heavy Duty
 n/a = Not Available

QUICK REFERENCE GUIDE

BRAKE APPLICATION	FMSI / DRILL#	EUCLID BRAKE SHOE	EUCLID MEGA+ HARDWARE KIT	EUCLID STOPMATE+ HARDWARE KIT	EUCLID STOPMATE HARDWARE KIT
15" x 8-5/8" Spicer Reduced Envelope	4717	E-9036	E-9039	n/a	n/a
16-1/2" x 10" Meritor P	4567	n/a	E-1816HD, KIT-4HD	E-1816S, E-1816SHD, KIT-4S, KIT-4SHD	E-4515P, E-4515PHD
16-1/2" x 10" Spicer Cast Shoes	4552B	n/a	KIT-1	n/a	n/a
16-1/2" x 5" Eaton ES	4719	E-10270	E-5481A	E-11318	E-4709ES-N
16-1/2" x 5" Eaton High Mount	4223A	E-2474	E-3801	n/a	n/a
16-1/2" x 5" Eaton Low Mount	4223A	E-1778	E-1887AHD, E-2820	E-1887ASHD	E-4311EHD-N
16-1/2" x 5" Meritor P	4524B	E-2687	E-1816HD, KIT-4HD	E-1816S, E-1816SHD, KIT-4S, KIT-4SHD	E-4515P, E-4515PHD
16-1/2" x 5" Meritor Q for 1.68" Offset Spider with Relocated Retainer Spring Hole	4524B	n/a	n/a	n/a	n/a
16-1/2" x 5" Meritor Q+ & Spicer XTRALIFE II	4720	E-10854	E-2769HD, E-9644	E-2769SHD, E-3895SHD	E-4515Q-N-NHD-N, E-4515Q-N-NMB-NHD-N, E-4515UHD
16-1/2" X 5" Meritor Q, Spicer Fast Change and Hendrickson INTRAAX®	4524B	n/a	E-2769HD, E-9070, E-9644	E-2769S, E-2769SHD, E-6999SHD, E-3895SHD	E-4515Q-N-N, E-4515Q-N-NHD-N, E-4515Q-N-NMB-N, E-4515Q-N-NMB-NHD-N, E-4515U, E-4515UHD
16-1/2" x 5" Meritor Q with Relocated Retainer Spring Hole	4524B	n/a	E-9644	n/a	n/a
16-1/2" x 5" Spicer ESII	4719	E-10270	E-10760	n/a	n/a
16-1/2" x 6" Eaton High Mount	4317G	E-9509	E-3801	n/a	n/a
16-1/2" x 6" Meritor P	4514G		E-1816HD, KIT-4HD	E-1816S, E-1816SHD, KIT-4S, KIT-4SHD	E-4515P, E-4515PHD
16-1/2" x 6" Meritor Q+ & Spicer XTRALIFE II	4715	E-10847	E-9644	n/a	n/a
16-1/2" x 6" Meritor Q with Relocated Retainer Spring Hole	4514G	E-9780	E-9644, E-9644	n/a	n/a
16-1/2" X 6" Meritor Q, Spicer Fast Change & Hendrickson INTRAAX®	4514G	n/a	E-2769HD, E-9644, E-9070, E-9644	E-2769S, E-2769SHD, E-6999SHD, E-3895SHD	E-4515Q-N-N, E-4515Q-N-NHD-N, E-4515Q-N-NMB-N, E-4515Q-N-NMB-NHD-N, E-4515U, E-4515UHD
16-1/2" x 6" Spicer ESII	4725	E-10271	E-10760	n/a	E-4709ES2-N
16-1/2" x 7" Eaton High Mount	4311J	n/a	E-3801	n/a	n/a
16-1/2" x 7" Eaton Low Mount	4311J	E-1778	E-1887AHD	E-1887ASHD	E-4311EHD-N
16-1/2" x 7" Fruehauf Pro-Par®	4515E	E-2685	E-2121, E-2121HD	E-2121SHD	n/a
16-1/2" x 7" Fruehauf XEM 2nd Generation	4515E	n/a	n/a	n/a	n/a
16-1/2" x 7" Fruehauf XEM 3rd Generation	4515E	E-3920	E-3710HD	n/a	E-4515X, E-4515XHD
16-1/2" x 7" Mack Fabricated Shoes	4515G	n/a	E-1607HD	n/a	n/a
16-1/2" x 7" Meritor for Fruehauf (F5)	4515G	n/a	E-2769HD	E-2769S, E-2769SHD, E-6999SHD,	E-4515Q-N-N, E-4515Q-N-NMB-N
16-1/2" x 7" Meritor P	4515G	E-2241	E-1816HD, KIT-4HD	E-1816S, E-1816SHD, KIT-4S, KIT-4SHD	E-4515P, E-4515PHD
16-1/2" x 7" Meritor P Cast	4515G	n/a	n/a	n/a	n/a
16-1/2" x 7" Meritor P For Mack	4625B	E-4902	E-2675HD	n/a	n/a
16-1/2" x 7" Meritor Q Heavy Duty	4515H	E-5092	n/a	n/a	n/a

MB = Minus Anchor Pin Bushings

HD = Heavy Duty

n/a = Not Available

QUICK REFERENCE GUIDE					
BRAKE APPLICATION	FMSI / DRILL#	EUCLID BRAKE SHOE	EUCLID MEGA+ HARDWARE KIT	EUCLID STOPMATE+ HARDWARE KIT	EUCLID STOPMATE HARDWARE KIT
16-1/2" x 7" Meritor Q+ Heavy Duty	4707	n/a	E-2769HD	E-2769SHD, E-6999SHD	E-4515Q-N-NHD-N, E-4515Q-N-NMB-NHD-N
16-1/2" x 7" Meritor Q+ Spicer XTRALIFE II & Hendrickson INTRAAX®	4707	E-5503	E-2769HD	E-2769SHD, E-6999SHD, E-3895SHD	E-4515Q-N-NHD-N, E-4515Q-N-NMB-NHD-N, E-4515UHD
16-1/2" x 7" Spicer & Standard Forge Cast Shoes	4468	n/a	KIT-1	n/a	n/a
16-1/2" x 7" Spicer Cast Shoe	4708	n/a	E-9048	n/a	n/a
16-1/2" x 7" Spicer ES	4709	E-5480	E-5481A	E-11318	E-4709ES-N
16-1/2" x 7" Spicer ES Retrofit for Meritor	4708	E-8924	E-8925	n/a	n/a
16-1/2" x 7" Spicer ESII	4709	E-10272	E-10244	E-11319, E-10244S	E-4709ES2-N
16-1/2" X 7" Spicer Fast Change XLII and Hendrickson INTRAAX®	4515E	E-2778	E-2769HD	E-2769S, E-2769SHD, E-6999SHD,	E-4515Q-N-N, E-4515Q-N-NHD-N, E-4515Q-N-NMB-N, E-4515Q-N-NMB-NHD-N
16-1/2" x 7" Spicer Severe Duty	4708	n/a	E-9052	n/a	n/a
16-1/2" x 7" Spicer XL	4701	n/a	E-5515	n/a	n/a
16-1/2" x 8" Meritor Q	4644B	n/a	E-2769HD	E-2769SHD, E-6999SHD	E-4515Q-N-NHD-N, E-4515Q-N-NMB-NHD-N
16-1/2" x 8" Meritor Q+	4718	n/a	E-2769HD	E-2769SHD, E-6999SHD, E-3895SHD	E-4515Q-N-NHD-N, E-4515Q-N-NMB-NHD-N, E-4515UHD
16-1/2" x 8-5/8" Eaton	4674	n/a	E-1887AHD	E-1887ASHD	n/a
16-1/2" x 8-5/8" Meritor Q	4551B	E-3522	E-2769HD	E-2769S, E-2769SHD, E-6999SHD, E-3895S, E-3895SHD	E-4515Q-N-N, E-4515Q-N-NHD-N, E-4515Q-N-NMB-N, E-4515Q-N-NMB-NHD-N, E-4515U, E-4515UHD
16-1/2" x 8-5/8" Meritor Q+, Spicer XTRALIFE II & Hendrickson INTRAAX®	4711	E-10844	E-2769HD	E-2769SHD, E-6999SHD, E-3895SHD	E-4515Q-N-NHD-N, E-4515Q-N-NMB-NHD-N, E-4515UHD
16-1/2" x 8-5/8" Spicer ESII	4726	E-10273	E-10244	E-11319, E-10244S	E-4709ES2-N
18" x 7" Eaton Single Anchor Pin	4527B	E-2801	E-2821	n/a	n/a
18" x 7" Meritor Cast Iron Shoes	4669	E-4902	E-3992	n/a	n/a
18" x 7" Meritor P Cast Shoes	4471B	E-4902	E-3518	n/a	n/a
18" x 7" Spicer & Standard Forge Fabricated Shoes	4284	n/a	E-5499	n/a	n/a

MB = Minus Anchor Pin Bushings
 HD = Heavy Duty
 n/a = Not Available

E-3374HD MEGA PLUS		CONVERT SPICER (DANA) 12-1/4" BRAKE FROM CAST TO FAB SHOES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2414	Brake Shoe Anchor Pin	Contains Euclid's own design anchor pin (E-2414) that allows fabricated steel shoes to be used with Std. Forge's bolt-on Spider for Cast Shoes. For use with old style "FAST-RISE" Camshafts only. Contains new Posi-Plus roller.	
2	2	E-2401	Anchor Pin Link		
3	2	E-1107	Anchor Pin Jam Nut		
4	2	E-2392	Anchor Pin Retainer		
5	2	E-11741	Roller		
6	1	E-2398	Return Spring		
7	2	E-3007A	Roller Retainer		
8	2	E-747	Spring Retainer		

E-9282 MEGA PLUS		CONVERT SPICER (DANA) 12-1/4" BRAKE FROM CAST TO FAB SHOES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2414	Brake Shoe Anchor Pin	Contains Euclid's own design anchor pin (E-2414) that allows fabricated steel shoes to be used with Std. Forge's bolt-on Spider for Cast Shoes. For use with New Style Camshafts.	
2	2	E-2401	Anchor Pin Link		
3	2	E-1107	Anchor Pin Jam Nut		
4	2	E-2392	Anchor Pin Retainer		
5	2	E-586	Roller		
6	1	E-2398	Return Spring		
7	2	E-539	Roller Retainer		
8	2	E-747	Spring Retainer		

E-2403HD MEGA PLUS		CONVERT STD. FORGE 12-1/4" BRAKE FROM CAST TO FAB SHOES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2414	Brake Shoe Anchor Pin	Contains Euclid's own design anchor pin (E-2414) that allows fabricated steel shoes to be used with Std. Forges bolt-on Spider for Cast Shoes. For use with the following Brake Shoe: E-2394 (7-1/2")	
2	2	E-2401	Anchor Pin Link		
3	2	E-1107	Anchor Pin Jam Nut		
4	2	E-2392	Anchor Pin Retainer		
5	2	E-2395	Roller		
6	2	E-2396	Roller Pin		
7	2	E-527	Roller Pin Retainer		
8	1	E-2398	Return Spring		
9	2	E-2399	Retainer		

E-10875 MEGA PLUS		DEXTER 12-1/4" PQ BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2766S	Anchor Pin	For use with the following Dexter 12-1/4" PQ Brake Shoes: E-10876, E-10877, E-10878	
2	2	E-1893	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-2398	Return Spring		
5	2	E-2396	Roller Pin		
6	2	E-2395	Roller		
7	4	E-527	Roller Pin Retainer		
8	2	E-747	Spring Retainer		

*Not Sold Separately

E-2126 MEGA PLUS		EATON 12-1/4" SINGLE ANCHOR PIN BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	1	NSS*	Anchor Pin	For use with the following Brake Shoe: E-1398 (7-1/2")	
2	2	E-580	Camshaft Spacer Washer		
3	1	E-526	Camshaft Lock Ring		
4	2	NSS*	Roller		
5	1	E-937	Locknut		
6	1	NSS*	Return Spring		
7	2	E-1400	Return Spring		
8	1	E-3975	Lock Washer		

E-2286 MEGA PLUS		FRUEHAUF PRO-PAR® 12-1/4" BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-609	Anchor Pin	For use with the following Brake Shoe: E-1580 (8")	
2	2	NSS*	Roll Pin		
3	2	E-920	Anchor Pin Bushing		
4	2	E-747	Spring Retainer		
5	2	E-1581	Retainer		
6	2	E-1582	Roller		
7	1	E-1583	Return Spring		

E-3484 MEGA PLUS		MERITOR 12-1/4" Q BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2766S	Anchor Pin	For use with the following Brake Shoe: E-3491 (7-1/2"). E-3481A Return Spring applies to brake spider on trailer axles made before August 2019. Item #9 applies to brake spider on trailer axles made after August 2019.	
2	2	E-1893	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-3481A	Return Spring		
5	2	E-3482	Roller Pin		
6	2	NSS*	Roller		
7	4	E-527	Roller Pin Retainer		
8	2	E-747	Spring Retainer		
9	1	NSS*	Return Spring		

E-10756 MEGA PLUS		SPICER (DANA) 12-1/4" BRAKE WITH FABRICATED SHOES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2766S	Anchor Pin	For use on Post 11/1/96 spiders that use stepped anchor pins (Spicer 7-1/2" Brake Shoe No. M12WN127-X). This 12-1/4" brake utilizes many components used on the standard 16-1/2" Fast Change Brake. For use with "0794" Camshafts only.	
2	2	E-586	Roller		
3	2	E-1893S	Anchor Pin Bushing		
4	2	E-2767	Retainer Spring		
5	1	E-2398	Return Spring		
6	2	E-747	Spring Retainer		
7	2	E-539	Roller Retainer		

*Not Sold Separately










E-14539 MEGA PLUS		SPICER (DANA) 12-1/4" BRAKE WITH FABRICATED SHOES FOR ABS		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	NSS*	Anchor Pin	For use on on Pre 11/1/96 and Post 11/1/12 brakes. This 12-1/4" brake utilizes many components used on the standard 16-1/2" Fast Change Brake. For use with "0794" Camshafts only.
2	2	E-586	Roller	
3	2	NSS*	Roller Retainer	
4	2	E-14657	Retainer Spring	
5	1	NSS*	Return Spring	
6	4	E-2392	Spring Retainer	
7	2	E-2766S	Pin	
8	2	E-1893S	Bushing	
9	2	E-747	Retainer	
10	4	E-2391	Washer	




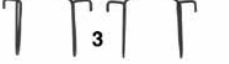


E-3373HD MEGA PLUS		SPICER (DANA) 12-1/4" BRAKE WITH FABRICATED SHOES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-2390	Anchor Pin	For use with Old Style "FAST-RISE" Camshafts only. Contains new Posi-Plus roller.
2	4	E-2391	Anchor Pin Washer	
3	4	E-2392	Anchor Pin Retainer	
4	2	E-11741	Roller	
5	1	E-2398	Return Spring	
6	2	E-2389	Anchor Pin Bushing	
7	2	E-3007A	Roller Retainer	
8	2	E-747	Spring Retainer	




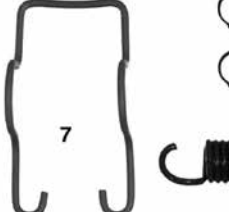
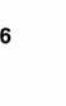


E-9281 MEGA PLUS		SPICER (DANA) 12-1/4" BRAKE WITH FABRICATED SHOES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-2390	Anchor Pin	For use with the following Brake Shoes:
2	4	E-2391	Anchor Pin Washer	
3	4	E-2392	Anchor Pin Retainer	
4	2	E-586	Roller	
5	1	E-2398	Return Spring	
6	2	E-2389	Anchor Pin Bushing	
7	2	E-539	Roller Retainer	
8	2	E-747	Spring Retainer	

E-3782 MEGA PLUS		SPICER (DANA) 12-1/4" NEW STYLE U BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-5304	Anchor Pin	For use with Old Style "FAST-RISE" Camshafts only. Contains new Posi-Plus roller. For use with the following Brake Shoe: E-5303A (7-1/2")
2	2	E-11741	Roller	
3	2	E-3007A	Roller Retainer	
4	1	E-2398	Return Spring	
5	2	E-747	Spring Retainer	
6	1	E-5305	Retainer Spring	

*Not Sold Separately





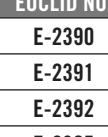
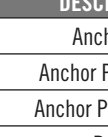
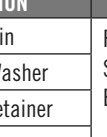
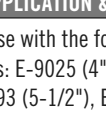
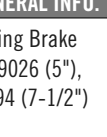

E-10757 MEGA PLUS		SPICER (DANA) 12-1/4" BRAKE WITH FABRICATED SHOES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-2390	Anchor Pin	Retrofit Kit for use of Spicer 7-1/2" Brake Shoe No. M12WN127-X on Pre 11/1/96 spiders that use straight anchor pins. For use with "0794" Camshafts only.
	2	E-586	Roller	
	2	E-2389	Anchor Pin Bushing	
	4	E-2391	Anchor Pin Washer	
	4	E-2392	Anchor Pin Retainer	
	2	E-2767	Retainer Spring	
	1	E-2398	Return Spring	
	2	E-747	Spring Retainer	
	2	E-539	Roller Retainer	





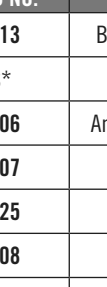
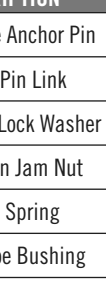
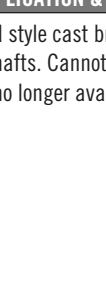

E-9283 MEGA PLUS		SPICER (DANA) 12-1/4" NEW STYLE U BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-5304	Anchor Pin	For use with New Style Camshafts E-9263 through E-9280.
	2	E-586	Roller	
	2	E-539	Roller Retainer	
	1	E-2398	Return Spring	
	2	E-747	Spring Retainer	
	1	E-5305	Retainer Spring	







E-5306 MEGA PLUS		SPICER (DANA) 12-1/4" OLD STYLE U BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-5304	Anchor Pin	For use with the old style Brake Shoe: E-5303 (7-1/2") which is No Longer Available.
	2	E-2395	Roller	
	2	E-2396	Roller Pin	
	1	E-2398	Return Spring	
	2	E-2399	Retainer	
	2	E-527	Roller Pin Retainer	
	1	E-5305	Retainer Spring	








E-2030HD MEGA PLUS		SPICER (DANA) AND STD. FORGE 12-1/4" BRAKE WITH CAST SHOES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-2029	Anchor Pin	For use with the following Brake Shoes: E-1412A (5-1/2"), E-1413A (7-1/2")
	1	NSS*	Anchor Pin Link	
	2	E-10776	Anchor Pin Lock Ring	
	2	E-1107	Anchor Pin Jam Nut	
	2	E-2101	Return Spring	
	2	E-1808	Brake Shoe Bushing	
	2	E-2176	Roller	
	2	E-501	Roller Pin	
	2	E-773	Roller Pin Set Screw	
	2	E-1106	Anchor Pin Lock Washer	

*Not Sold Separately

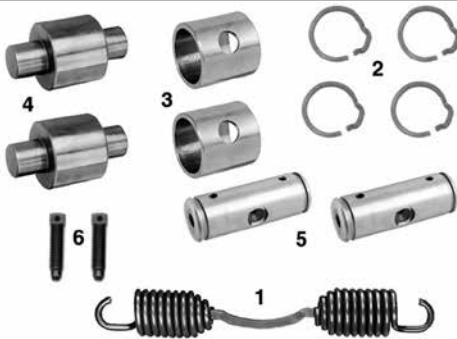
E-2402HD		MEGA PLUS		STANDARD FORGE 12-1/4" BRAKE WITH FABRICATED SHOES	
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	2	E-2390	Anchor Pin	For use with the following Brake Shoes: E-9025 (4"), E-9026 (5"), E-2393 (5-1/2"), E-2394 (7-1/2")	
	4	E-2391	Anchor Pin Washer		
	4	E-2392	Anchor Pin Retainer		
	2	E-2395	Roller		
	2	E-2396	Roller Pin		
	2	E-527	Roller Pin Retainer		
	1	E-2398	Return Spring		
	2	E-2399	Retainer		
	2	E-2389	Anchor Pin Bushing		
	2	E-1106	Anchor Pin Lock Washer		


E-1812		MEGA PLUS		STD. FORGE 12-1/4" BRAKE WITH FLAT HEAD CAMSHAFTS	
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	2	E-1813	Brake Shoe Anchor Pin	For old style cast brake with flat head camshafts. Cannot change to S cam. Shoe no longer available.	
	1	NSS*	Anchor Pin Link		
	2	E-1106	Anchor Pin Lock Washer		
	2	E-1107	Anchor Pin Jam Nut		
	2	E-1025	Return Spring		
	2	E-1808	Brake Shoe Bushing		
	2	NSS*	Brake Shoe Wear Plate		
	2	NSS*	Screw		

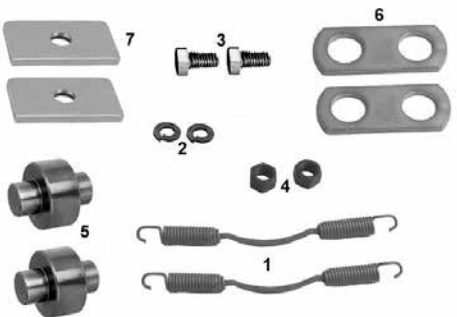
E-10867		MEGA PLUS		MERITOR COACH 14-1/2" W SERIES BRAKE	
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	1	E-10826	Return Spring	For use with the following Meritor Coach 14-1/2" x 8" W Series Brake Shoe, Type 1: E-10805 (8")	
	2	E-10828	Anchor Pin Bushing		
	2	E-4961A	3/4"-16 Lock Nut		
	2	E-10823	Roller		
	2	E-10831	Anchor Pin Washer		
	2	E-10832	Anchor Pin Washer		

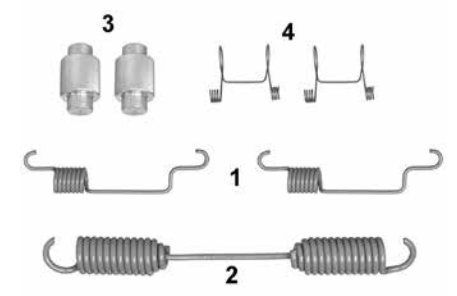
E-10869		MEGA PLUS		MERITOR COACH 14-1/2" W SERIES BRAKE DRIVE AXLE	
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	2	E-10828	Anchor Pin Bushing	For use with the following Meritor Coach 14-1/2" x 10" W Series Brake Shoe, Type 1 and Type 3: E-10810 (10")	
	2	E-4961A	3/4"-16 Lock Nut		
	1	E-10826	Return Spring		
	2	E-10824	Roller		
	2	E-5095	Camshaft Spacer Washer		
	2	E-10833	Anchor Pin Washer		
	2	E-10865	Lock Washer		

*Not Sold Separately

E-10870 MEGA PLUS		MERITOR COACH 14-1/2" W SERIES BRAKE DRIVE AXLE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	1	E-10826	Return Spring	For use with the following Meritor Coach 14-1/2" x 10" W Series Brake Shoe, Type 2: E-10809 (10")
		2	4	E-10834	Anchor Pin Lock Ring	
		3	2	E-10836	Anchor Pin Bushing	
		4	2	NSS*	Roller	
		5	2	E-10835	Anchor Pin	
		6	2	NSS*	Bolt	

E-10841-A MEGA PLUS		MERITOR COACH 14-1/2" W SERIES BRAKE STEER AXLE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-10818	Return Spring	For use with the following Meritor Coach 14-1/2" x 4" and 6" W Series Brake Shoes: E-10802 (4"), E-10803 (6")
		2	2	E-10814	Anchor Pin	
		3	2	NSS*	Lock Bolt	
		4	1	E-10817	Anchor Pin Lock	
		5	2	E-10812	Roller	
		6	4	E-801	Lock Ring	
7	2	NSS*	Washer			

E-10866-A MEGA PLUS		MERITOR COACH 14-1/2" W SERIES BRAKE STEER AXLE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-10818	Return Spring	For use with the following Meritor Coach 14-1/2" x 5" W Series Brake Shoe: E-10804
		2	2	NSS*	Washer	
		3	2	NSS*	Lock Bolt	
		4	2	NSS*	Nut	
		5	2	E-10812	Roller	
		6	2	E-10819	Anchor Pin Link	
7	2	E-10817	Anchor Pin Lock			

E-11981 MEGA PLUS		EATON 15" SINGLE ANCHOR PIN FRONT BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-10198	Retainer Spring	For use with the following Brake Shoe: E-11982 (4"). FMSI 4729.
		2	1	NSS*	Return Spring	
		3	2	E-5477	Roller	
4	2	E-5478	Roller Retainer			

*Not Sold Separately

E-1308E STOPMATE		EATON 15" SINGLE ANCHOR PIN FRONT BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-3421A	Roller	Stopmate version of E-5139
		2	1	NSS*	Retainer Spring	
		3	1	NSS*	Return Spring	

E-5139 MEGA PLUS		EATON 15" SINGLE ANCHOR PIN FRONT BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-3421A	Roller	For use with the following Brake Shoe: E-5126 (4")
		2	1	E-5122	Retainer Spring	
		3	1	E-5123	Return Spring	

E-4702-KT STOPMATE		MERITOR 15" Q+ FRONT BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-2766S	Anchor Pin	Stopmate version of E-9064. For use with the following Brake Shoes: E-9062 (4"), E-11453 (5"), E-11454 (6"), E-11455 (7")
		2	1	E-9063	Return Spring	
		4	2	E-2177	Roller	
		5	2	E-1893S	Anchor Pin Bushing	Also available bagged as part number E-4702-KIT-B
		6	2	E-747	Spring Retainer	
		7	2	E-3007A	Roller Retainer	

E-9064 MEGA PLUS		MERITOR 15" Q+ FRONT BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-2766S	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoe: E-9062 (4") Double Web Q+™ Shoe
		2	2	E-1893S	Anchor Pin Bushing	
		3	2	E-2767	Retainer Spring	
		4	1	E-9063	Return Spring	
		5	2	E-11741	Roller	
		6	2	E-747	Spring Retainer	
7	2	E-3007A	Roller Retainer			

E-1308Q STOPMATE		MERITOR 15" Q SERIES FRONT BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-3870	Anchor Pin	Stopmate version of E-3869
		2	1	E-3871	Anchor Pin Link	
		3	1	NSS*	Return Spring	
		4	1	NSS*	Retainer Spring	
		5	2	E-3874	Anchor Pin Washer	
		6	2	E-3421A	Roller	
		7	1	E-4961A	3/4"-16 Lock Nut	
8	2	E-1120-1	Shoe Clip			

*Not Sold Separately

E-1308QMA STOPMATE		MERITOR 15" Q SERIES FRONT BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-1120-1	Shoe Clip	
	2	2	E-3421A	Roller	
	3	1	NSS*	Return Spring	
	4	1	NSS*	Retainer Spring	
Also available bagged as part number E-1308QMA-B					



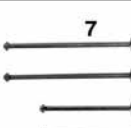




E-3869 MEGA PLUS		MERITOR 15" Q SERIES FRONT BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-3870	Anchor Pin	
	2	1	E-3871	Anchor Pin Link	
	3	1	E-3872	Return Spring	
	4	1	E-3873	Retainer Spring	
	5	2	E-3874	Anchor Pin Washer	
	6	2	E-3421A	Roller	
	7	2	E-4961A	3/4"-16 Lock Nut	
8	2	E-1120-1	Shoe Clip		
For use with the following Brake Shoe: E-5528 (4") Meritor Single Web 15" x 4" Q Series Front Brake Shoe					






E-7899 STOPMATE PLUS		MERITOR 15" Q SERIES FRONT BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	1	E-3872	Return Spring	
	2	1	E-3873	Retainer Spring	
	3	2	E-3421A	Roller	
	4	2	E-1120-1	Shoe Clip	
Same as E-3869 minus Anchor Pins and Hardware. For use with the following Brake Shoe: E-5528 (4") Single Web Q Brake Shoe					




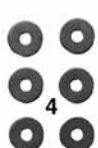




E-4800 MEGA PLUS		MERITOR 15" T SERIES FRONT BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	NSS*	Spring - Short	
	2	2	NSS*	Spring - Long	
	3	2	NSS*	Hold Down Pin - Short	
	4	2	NSS*	Hold Down Pin - Long	
5	4	NSS*	Cap		
For use with the following brake shoes: E-3439 (4")					



E-6879 MEGA PLUS		MERITOR 15" T SERIES FRONT BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-3421A	Roller	
	2	1	E-3437	Spring	
	3	2	E-801	Lock Ring	
4	1	E-4800	Hold Down Kit		
For use with the following Brake Shoes: E-3439 (4")					

*Not Sold Separately

E-4691 MEGA PLUS		MERITOR 15" T SERIES FRONT BRAKE TYPES 1 AND 2			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	2	E-3421A	Roller	For use with the following Brake Shoes: E-3439 (4")	
	2	E-3424	Brake Shoe Anchor Pin		
	1	E-3437	Spring		
	2	E-4961A	3/4"-16 Lock Nut		
	2	E-3427	Anchor Pin Washer		
	2	E-801	Lock Ring		
	1	E-4800	Hold Down Kit		

E-11747 STOPMATE PLUS		SPICER 15" AND 16-1/2" HEAVY AXLE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	2	E-539	Roller Retainer	For use with Spicer Heavy Axle brake shoes.	
	2	E-586	Roller		
	1	NSS*	Return Spring		
	2	NSS*	Spring		
	2	E-747	Spring Retainer		

E-2740 MEGA PLUS		WAGNER 15" 3-1/2" FRONT BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	2	NSS*	Roller		
	2	NSS*	Anchor Pin		
	2	E-2723	Anchor Pin Retainer		
	8	E-2724	Guide Washer		
	4	E-2725	Spring Washer		
	4	E-2726	"C" Washer		
	1	E-979	Return Spring		
	2	E-4961A	3/4"-16 Lock Nut		

E-7232 STOPMATE PLUS		BENDIX 15" 4" STEER AXLE BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
	4	NSS*	Retainer Spring	For use with the following shoe: E-7230	
	2	NSS*	Return Spring		

*Not Sold Separately

E-7231 STOPMATE PLUS		BENDIX 15" 4" STEER AXLE BRAKE. "FORD CARGO"		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	NSS*	Roller	For use with the following shoe: E-7230
2	2	NSS*	Pin	
3	1	NSS*	Anchor Pin	
4	1	NSS*	Return Spring	
5	2	NSS*	Retainer Spring	

E-11493 STOPMATE PLUS		SPICER 15" 4" STEER AXLE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-2767	Retainer Spring	
2	2	E-539	Roller Retainer	
3	2	E-586	Roller	
4	2	E-747	Spring Retainer	
5	1	NSS*	Return Spring	

E-3291 MEGA PLUS		WAGNER 15" 4" FRONT BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-3421A	Roller	For use with the following Brake Shoes: E-2729 (4"), E-4742 (4") For use with Bendix/Spicer Shoe 4693HA
2	2	NSS*	Anchor Pin	
3	2	E-2723	Anchor Pin Retainer	
4	8	E-2724	Guide Washer	
5	4	E-2725	Spring Washer	
6	4	E-2726	"C" Washer	
7	1	NSS*	Return Spring Shoe Assembly	
8	2	E-4961A	3/4"-16 Lock Nut	

E-9141 MEGA PLUS		EATON 15" 6" ES REDUCED ENVELOPE FRONT AXLE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-5477	Roller	For use with the following Brake Shoe: E-9140 (6")
2	2	E-5478	Roller Retainer	
3	2	E-9037	Return Spring	
4	2	E-2767	Retainer Spring	

*Not Sold Separately

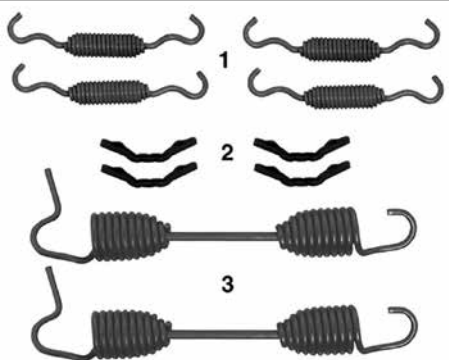
E-2713		MEGA PLUS		WAGNER 15" 6" AND 7" DRIVE AXLE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.		
1	2	NSS*	Anchor Pin	For use with the following Brake Shoe: E-2712 (7")		
2	4	E-801	Lock Ring			
3	2	NSS*	Roller			
4	2	NSS*	Roller Pin			
5	1	E-980	Return Spring			
6	4	E-1269	Anchor Pin Seal			

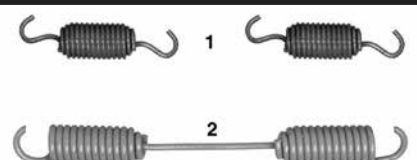
E-9039		MEGA PLUS		EATON 15" 8-5/8" ES REDUCED ENVELOPE DRIVE AXLE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.		
1	2	E-5477	Roller	For use with the following Brake Shoe: E-9036 (8-5/8")		
2	2	E-5478	Roller Retainer			
3	1	E-9038	Return Spring			
4	2	E-2767	Retainer Spring			

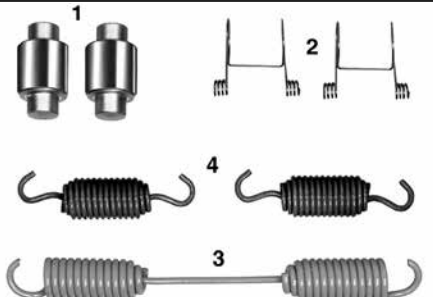
E-4692		MEGA PLUS		MERITOR 16-1/4" T SERIES FRONT BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.		
1	2	E-3421A	Roller			
2	2	NSS*	Anchor Pin			
3	1	E-757	Return Spring			
4	2	NSS*	Lock Ring			
5	2	E-1106	Anchor Pin Lock Washer			
6	2	E-1120-1	Shoe Clip			

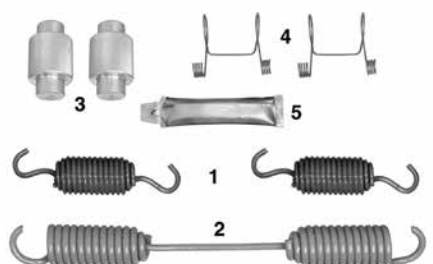
E-7237		STOPMATE PLUS		BENDIX 16-1/2" TRUCK AND TRACTOR BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.		
1	2	NSS*	Roller			
2	2	NSS*	Pin			
3	2	NSS*	Pin			
4	2	NSS*	Bushing			
5	1	NSS*	Return Spring			
6	2	NSS*	Spring			
7	2	E-747	Spring Retainer			

*Not Sold Separately

E-7238 STOPMATE PLUS		BENDIX 16-1/2" TRUCK AND TRACTOR BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	4	NSS*	Spring	
		2	4	E-747	Spring Retainer	
		3	2	NSS*	Return Spring	




E-11318 STOPMATE PLUS		EATON 16-1/2" ES EXTENDED SERVICE BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-1418	Retainer Spring	For use with the following Brake Shoe: E-5480 (7"). Can only be used with Eaton ES Camshafts.
		2	1	E-10197	Return Spring	






E-4709ES-N STOPMATE		EATON 16-1/2" ES EXTENDED SERVICE BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	NSS*	Roller	Stopmate version of E-5481A and E-11318. For use with the following Brake Shoe: E-5480 (7"). Can only be used with Eaton ES Camshafts. Also available bagged as part number E-4709ES-B.
		2	2	NSS*	Roller Retainer	
		3	1	NSS*	Return Spring	
		4	2	NSS*	Retainer Spring	





E-5481A MEGA PLUS		EATON 16-1/2" ES EXTENDED SERVICE BRAKE				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-1418	Retainer Spring	For use with the following Brake Shoe: E-5480 (7"). Can only be used with Eaton ES Camshafts.
		2	1	E-10197	Return Spring	
		3	2	E-5477	Roller	
		4	2	E-5478	Roller Retainer	
		5	1	NSS*	Anti-Seize Compound	



E-9048 MEGA PLUS		EATON 16-1/2" ES SEVERE SERVICE BRAKE WITH CAST SHOES				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-9041	Anchor Pin	For use with the following Brake Shoe: E-9040 (7")
		2	2	E-9042	Set Screw	
		3	4	E-1113	Washer	
		4	4	E-801	Lock Ring	
		5	4	E-9047	Brake Shoe Bushing	
		6	2	E-919	Anchor Pin Bushing	
		7	2	E-9043	Roller	
		8	2	E-9044	Roller Pin	
		9	2	E-9045	Lock Pin Roll	
		10	1	E-9046	Return Spring	


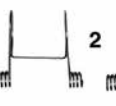
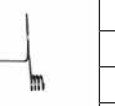

*Not Sold Separately

E-9052 MEGA PLUS		EATON 16-1/2" ES SEVERE SERVICE BRAKE WITH FABRICATED SHOES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	NSS*	Anchor Pin	Contains new Posi-Plus roller.
	2	E-9042	Set Screw	
	4	E-1113	Washer	
	4	E-801	Lock Ring	
	2	E-919	Anchor Pin Bushing	
	2	E-11741	Roller	
	2	E-5478	Roller Retainer	
	2	E-747	Spring Retainer	
	1	E-8907	Return Spring	

E-10244 MEGA PLUS		EATON 16-1/2" ES-II EXTENDED SERVICE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-10198	Retainer Spring	For use with New ES-II, No-Tab Shoe with Retainer Spring holes in web. IMPORTANT NOTE: Install Retainer Springs with coil end up. Can only be used with Eaton ES Camshafts.
	1	E-10197	Return Spring	
	2	E-5477	Roller	
	2	E-5478	Roller Retainer	
	1	NSS*	Anti-Seize Compound	

E-10244S STOPMATE PLUS		EATON 16-1/2" ES-II EXTENDED SERVICE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-10198	Retainer Spring	For use with New ES-II, No-Tab Shoe with Retainer Spring holes in web. IMPORTANT NOTE: Install Retainer Springs with coil end up. Can only be used with Eaton ES Camshafts.
	1	E-10197	Return Spring	
	2	E-5477	Roller	
	2	E-5478	Roller Retainer	

E-11319 STOPMATE PLUS		EATON 16-1/2" ES-II EXTENDED SERVICE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-10198	Retainer Spring	For use with New ES-II, No-Tab Shoe with Retainer Spring holes in web. IMPORTANT NOTE: Install Retainer Springs with coil end up. Can only be used with Eaton ES Camshafts.
	1	E-10197	Return Spring	

E-4709ES2-N STOPMATE		EATON 16-1/2" ES-II EXTENDED SERVICE BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	NSS*	Roller	Stopmate version of E-10244. For use with the following Brake Shoes: E-10272 (7"), E-10273 (8-5/8") Can only be used with Eaton ES Camshafts. Also available bagged as part number E-4708ES2-B.
	2	NSS*	Roller Retainer	
	1	NSS*	Return Spring	
	2	NSS*	Retainer Spring	

*Not Sold Separately

E-10760 MEGA PLUS		EATON 16-1/2" ES-II EXTENDED SERVICE FRONT AXLE BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-10198	Retainer Spring	For use with ES-II 16-1/2" front axle shoes: E-10270 (5"), E-10271 (6"). Can only be used with Eaton ES Camshafts. Must be used with E-10761 Horse Collar.	
2	2	E-9037	Return Spring		
3	2	E-5477	Roller		
4	2	E-5478	Roller Retainer		

E-1887AHD MEGA PLUS		EATON 16-1/2" SINGLE ANCHOR PIN BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-1418	Retainer Spring	Contains Special Alloy Steel Knurled Rollers. For use with the following Brake Shoes: E-1778 (7")	
2	1	E-1428A	Return Spring		
3	2	E-2217A	Roller		
4	2	E-596A	Roller Pin		
5	1	NSS*	Anti-Seize Compound		

E-1887ASHD STOPMATE PLUS		EATON 16-1/2" SINGLE ANCHOR PIN BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-1418	Retainer Spring	Contains Special Alloy Steel Knurled Rollers. For use with the following Brake Shoes: E-1778 (7")	
2	1	E-1428S	Return Spring		
3	2	E-2217S	Roller		
4	2	E-596A	Roller Pin		

E-2820 MEGA PLUS		EATON 16-1/2" SINGLE ANCHOR PIN BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-1418	Retainer Spring	Alternate for E-1887AHD and E-1887ASHD Kits. Return Spring has longer center bar for additional spindle clearance. For use with the following Brake Shoes: E-1778 (7")	
2	1	E-2785	Return Spring		
3	2	E-2217A	Roller		
4	2	E-596A	Roller Pin		

E-4311EHD-N STOPMATE		EATON 16-1/2" SINGLE ANCHOR PIN BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	NSS*	Retainer Spring	Stopmate version of E-1887 series kits. Also available bagged as part number E-4311EHD-B.	
2	1	NSS*	Return Spring		
3	2	NSS*	Roller		
4	2	NSS*	Roller Pin		

*Not Sold Separately

E-3801		MEGA PLUS		EATON 16-1/2" SINGLE ANCHOR PIN BRAKE - FORD SPECIAL APPLICATION				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-1418	Retainer Spring	For use with the following High-Mount Brake Shoes: E-2474 (5"), E-9509 (6"), E-2819 (7"). Brake Shoe has offset Spring Retainer Pin. Used in some Ford applications.
				2	1	E-2475	Return Spring	
				3	2	E-2217A	Roller	
				4	2	E-596A	Roller Pin	

E-8923		MEGA PLUS		EATON TOP SPEC 16-1/2" ES RETROFIT FOR FRUEHAUF				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-3711	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoe: E-8922 (7")
				2	2	E-8938	Anchor Pin Bushing	
				3	2	E-2767	Retainer Spring	
				4	1	E-8907	Return Spring	
				5	2	E-11741	Roller	
				6	2	E-747	Spring Retainer	
				7	2	E-5478	Roller Retainer	
				8	1	E-1559	Cotter Pin	
				9	1	NSS*	Anti-Seize Compound	

E-8925		MEGA PLUS		EATON TOP SPEC 16-1/2" ES RETROFIT FOR MERITOR				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-2766S	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoe: E-8924 (7")
				2	2	E-8938	Anchor Pin Bushing	
				3	2	E-2767	Retainer Spring	
				4	1	E-8907	Return Spring	
				5	2	E-11741	Roller	
				6	2	E-747	Spring Retainer	
				7	2	E-5478	Roller Retainer	
				8	1	NSS*	Anti-Seize Compound	

E-2121		MEGA PLUS		FRUEHAUF PRO-PAR® 16-1/2"				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-609	Anchor Pin	For Old Style Spiders drilled for Roll Pin. For New Style Spiders not drilled for Roll Pin, use Euclid Kits E-1816HD, E-1816S or E-1816SHD. Contains new Posi-Plus roller. For use with the following Brake Shoe: E-2685 (7")
				2	2	NSS*	Roll Pin	
				3	2	E-920	Anchor Pin Bushing	
				4	2	E-3227	Roller Retainer	
				5	2	E-11741	Roller	
				6	1	E-545A	Return Spring	
				7	2	E-747	Spring Retainer	

*Not Sold Separately

E-2121HD MEGA PLUS		FRUEHAUF PRO-PAR® 16-1/2"			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-609	Anchor Pin	For Old Style Spiders drilled for Roll Pin. For New Style Spiders not drilled for Roll Pin, use Euclid Kits E-1816HD, E-1816S or E-1816SHD. Contains new Posi-Plus roller. For use with the following Brake Shoe: E-2685 (7"). Same as E-2121 except has Heavy Duty Return Spring.	
2	2	NSS*	Roll Pin		
3	2	E-920	Anchor Pin Bushing		
4	2	E-3227	Roller Retainer		
5	2	E-11741	Roller		
6	1	E-1880B	Return Spring		
7	2	E-747	Spring Retainer		

E-3710HD MEGA PLUS		FRUEHAUF PRO-PAR® 16-1/2" LATE MODEL XEM3 BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-3711	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3920 (7")	
2	2	E-8938	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-3490B	100 lb Return Spring		
5	2	E-11741	Roller		
6	2	E-747	Spring Retainer		
7	2	E-3227	Roller Retainer		
8	1	E-1559	Cotter Pin		
9	1	NSS*	Anti-Seize Compound		

E-3710S STOPMATE PLUS		FRUEHAUF PRO-PAR® 16-1/2" LATE MODEL XEM3 BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-3711S	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3920 (7")	
2	2	E-1893S	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-3228	Return Spring		
5	2	E-11741	Roller		
6	2	E-747	Spring Retainer		
7	2	E-3007A	Roller Retainer		
8	1	E-1559	Cotter Pin		

*Not Sold Separately

E-3710SHD STOPMATE PLUS		FRUEHAUF PRO-PAR® 16-1/2" LATE MODEL XEM3 BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-3711S	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3920 (7"), Same as E-3710S except has Heavy Duty Return Spring.
2	2	E-1893S	Anchor Pin Bushing	
3	2	E-2767	Retainer Spring	
4	1	E-3490S	Return Spring	
5	2	E-11741	Roller	
6	2	E-747	Spring Retainer	
7	2	E-3007A	Roller Retainer	
8	1	E-1559	Cotter Pin	

E-4515X STOPMATE		FRUEHAUF PRO-PAR® 16-1/2" LATE MODEL XEM BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-3711	Anchor Pin	Stopmate version of E-3710S
2	2	E-1893S	Anchor Pin Bushing	
4	1	E-3228	Return Spring	
5	2	E-2177	Roller	
6	2	E-747	Spring Retainer	
7	2	E-3007A	Roller Retainer	

KIT-5 MEGA PLUS		FRUEHAUF (MODIFIED NO. 5) 16-1/2" EARLY MODEL BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-609	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoe: E-2685 (7")
2	2	E-11741	Roller	
3	1	E-545A	Return Spring	
4	2	E-3007A	Roller Retainer	
5	2	NSS*	Roll Pin	
6	2	E-747	Spring Retainer	

E-4515XHD STOPMATE		FRUEHAUF PRO-PAR® 16-1/2" LATE MODEL XEM BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-3711S	Anchor Pin	Stopmate version of E-3710SHD Also available bagged as part number E-4515XHD-B
2	2	E-1893S	Anchor Pin Bushing	
3	2	NSS*	Retainer Spring	
4	1	NSS*	Return Spring	
5	2	E-2177	Roller	
6	2	E-747	Spring Retainer	
7	2	E-3007A	Roller Retainer	

*Not Sold Separately

E-9142 MEGA PLUS		FRUEHAUF RETROFIT MERITOR Q BRAKE W/ECCENTRIC ANCHOR PIN 16-1/2"			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO. Special offset Anchor Pin allows use of Meritor Q Brake Shoes on Fruehauf Pro-Pair® Axles. Contains new Posi-Plus roller. For use with the following Brake Shoe: E-2778 (7")
	1	2	E-9061	Anchor Pin	
	2	2	E-920	Anchor Pin Bushing	
	3	2	E-747	Spring Retainer	
	4	2	NSS*	Roll Pin	
	5	1	E-1559	Cotter Pin	
	6	2	E-11741	Roller	
	7	2	E-3007A	Roller Retainer	
	8	1	E-2768	Return Spring	
9	2	E-2767	Retainer Spring		

E-4515Q-N STOPMATE		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2"			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO. For Meritor Q and Q+, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® Brakes. Stopmate version of E-2769S. Also available bagged as part number E-4515Q-B.
	1	2	NSS*	Anchor Pin	
	2	2	NSS*	Anchor Pin Bushing	
	3	2	NSS*	Retainer Spring	
	4	1	NSS*	Return Spring	
	5	2	NSS*	Roller	
	7	2	NSS*	Roller Retainer	

E-4515QHD-N STOPMATE		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2"			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO. For Meritor Q and Q+, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® Brakes. Stopmate version of E-2769SHD. Also available bagged as part number E-4515QHD-B.
	1	2	NSS*	Anchor Pin	
	2	2	NSS*	Anchor Pin Bushing	
	3	2	NSS*	Retainer Spring	
	4	1	NSS*	Return Spring	
	5	2	NSS*	Roller	
	7	2	NSS*	Roller Retainer	

E-4515QMB-N STOPMATE		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2"			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO. For Meritor Q and Q+, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® Brakes. Stopmate version of E-6999S. Also available bagged as part number E-4515QMB-B. MB=Minus Bushings
	1	2	NSS*	Anchor Pin	
	2	2	NSS*	Retainer Spring	
	3	1	NSS*	Return Spring	
	4	2	NSS*	Roller	
	5	2	NSS*	Spring Retainer	
6	2	NSS*	Roller Retainer		

*Not Sold Separately

E-4515QMBHD-N STOPMATE		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2"			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	NSS*	Anchor Pin	For Meritor Q and Q+, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® Brakes. Stopmate version of E-6999SHD. Also available bagged as part number E-4515QMBHD-B. MB=Minus Bushings	
2	2	NSS*	Retainer Spring		
3	1	NSS*	Return Spring		
4	2	NSS*	Roller		
5	2	NSS*	Spring Retainer		
6	2	NSS*	Roller Retainer		

E-2769HD MEGA PLUS		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2" BRAKES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2766S	Anchor Pin	For Meritor Q and Q+™, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® brakes. Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3303 (5"), E-3304 (6"), E-2778 (7"), E-6075 (7"), E-3522 (8-5/8"), E-3417 (10"). Note: To insure quick brake release and full lining life, Q+™ brakes use only heavy-duty return springs.	
2	2	E-8938	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-3490B	100 lb Return Spring		
5	2	E-11741	Roller		
6	2	E-747	Spring Retainer		
7	2	E-3007A	Roller Retainer		
8	1	NSS*	Anti-Seize Compound		

E-2769S STOPMATE PLUS		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2" BRAKES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2766S	Anchor Pin	For Meritor Q and Q+™, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® brakes. Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3303 (5"), E-3304 (6"), E-2778 (7"), E-6075 (7"), E-3522 (8-5/8"), E-3417 (10"). Note: To insure quick brake release and full lining life, Q+™ brakes use only heavy-duty return springs.	
2	2	E-1893S	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-2768	Return Spring		
5	2	E-11741	Roller		
6	2	E-747	Spring Retainer		
7	2	E-3007A	Roller Retainer		

E-2769SHD STOPMATE PLUS		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2" BRAKES			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2766S	Anchor Pin	For Meritor Q and Q+™, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® brakes. Contains new Posi-Plus roller. Same as E-2769S except has Heavy Duty Return Spring. For use with the following Brake Shoes: E-3303 (5"), E-3304 (6"), E-2778 (7"), E-6075 (7"), E-3522 (8-5/8"), E-3417 (10"). Note: To insure quick brake release and full lining life, Q+™ brakes use only heavy-duty return springs.	
2	2	E-1893S	Anchor Pin Bushing		
3	2	E-2767	Retainer Spring		
4	1	E-3490S	Return Spring		
5	2	E-11741	Roller		
6	2	E-747	Spring Retainer		
7	2	E-3007A	Roller Retainer		

*Not Sold Separately

E-6999SHD STOPMATE PLUS		HENDRICKSON, MERITOR AND SPICER (DANA) 16-1/2" BRAKES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-2766S	Anchor Pin	For Meritor Q and Q+™, Spicer (Dana) Fast Change and XLII, and Hendrickson INTRAAX® brakes. Same as E-2769S minus Bushings. Same as E-6999S except has Heavy Duty Return Spring. Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3303 (5"), E-3304 (6"), E-2778 (7"), E-6075 (7"), E-3522 (8-5/8"), E-3417 (10").
2	2	E-2767	Retainer Spring	
3	1	E-3490S	Return Spring	
4	2	E-11741	Roller	
5	2	E-747	Spring Retainer	
6	2	E-3007A	Roller Retainer	

E-2676 MEGA PLUS		MACK 16-1/2" OLD STYLE CAST BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	NSS*	Brake Shoe Wear Pad	For use with Mack's own Old Style cast shoe with wear plates
2	1	E-752	Return Spring	
3	2	NSS*	Anchor Pin	
4	4	E-537	Anchor Pin Felt	
5	4	NSS*	Felt Retainer	
6	4	E-5093	Camshaft Lock Ring	
7	4	NSS*	Brake Shoe Bushing	

E-2675HD MEGA PLUS		MACK WITH MERITOR 16-1/2" BRAKE		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	2	E-3914	Roller	Antiseize Lubricate not sold separately.
2	2	E-502	Anchor Pin	
3	4	E-801	Lock Ring	
4	2	E-579A	Anchor Pin Lock Screw	
5	2	E-747	Spring Retainer	
6	4	E-1269	Anchor Pin Seal	
7	1	E-1880B	Return Spring	
8	1	NSS*	Anti-Seize Compound	

E-11974		MERITOR 16-1/2" P SERIES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
1	4	NSS*	Snap Ring	Drive axle, Cast P series brake shoes. Services 1 brake.
2	4	E-537	Anchor Pin Felt	
3	4	NSS*	Felt Retainer	
4	2	NSS*	Roller	
5	1	NSS*	Return Spring	
6	2	NSS*	Bushing	
7	2	E-3513	Retaining Clip	
8	2	NSS*	Anchor Pin	

*Not Sold Separately

KIT-4HD MEGA PLUS		MERITOR 16-1/2" P SERIES AND STD. FORGE EARLY MODEL BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
2	2	E-11741	Roller	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-2687 (5"), E-3418 (5"), E-2241 (7"), E-5239 (8-5/8"), E-2496 (10")	
3	1	E-1880B	Return Spring		
4	2	E-3007A	Roller Retainer		
5	4	E-801	Lock Ring		
6	2	E-579A	Anchor Pin Lock Screw		
7	4	E-1269	Anchor Pin Seal		
8	2	E-747	Spring Retainer		
9	1	NSS*	Anti-Seize Compound		

KIT-4S STOPMATE PLUS		MERITOR 16-1/2" P SERIES AND STD. FORGE EARLY MODEL BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-512	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-2687 (5"), E-3418 (5"), E-2241 (7"), E-5239 (8-5/8"), E-2496 (10")	
2	2	E-11741	Roller		
3	1	E-545A	Return Spring		
4	2	E-3007A	Roller Retainer		
5	4	E-801	Lock Ring		
6	2	E-579A	Anchor Pin Lock Screw		
7	4	E-1269	Anchor Pin Seal		
8	2	E-747	Spring Retainer		

KIT-4SHD STOPMATE PLUS		MERITOR 16-1/2" P SERIES AND STD. FORGE EARLY MODEL BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-512S	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-2687 (5"), E-3418 (5"), E-2241 (7"), E-5239 (8-5/8"), E-2496 (10"). Same as KIT-4S except has Heavy Duty Return Spring.	
2	2	E-11741	Roller		
3	1	E-1880S	Return Spring		
4	2	E-3007A	Roller Retainer		
5	4	E-801	Lock Ring		
6	2	E-579A	Anchor Pin Lock Screw		
7	4	E-1269	Anchor Pin Seal		
8	2	E-747	Spring Retainer		

*Not Sold Separately

E-9070 MEGA PLUS		MERITOR 16-1/2" Q BRAKE WITH FL SERIES FRONT AXLES			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-2766S	Anchor Pin	Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3303 (5"), E-3823 (5"), E-3304 (6")
	2	2	E-1893	Anchor Pin Bushing	
	3	2	E-2767	Retainer Spring	
	4	1	E-9069	Return Spring	
	5	2	E-11741	Roller	
	6	2	E-747	Spring Retainer	
7	2	E-3007A	Roller Retainer		

E-1607HD MEGA PLUS		MERITOR 16-1/2" BRAKE SHOES WITH REINFORCED ANCHOR BOSSES			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-502	Anchor Pin	Contains new Posi-Plus roller.
	2	2	E-11741	Roller	
	3	1	E-1880B	Return Spring	
	4	2	E-3007A	Roller Retainer	
	5	4	E-1269	Anchor Pin Seal	
	6	4	E-801	Lock Ring	
	7	2	E-579A	Anchor Pin Lock Screw	
	8	2	E-747	Spring Retainer	
9	1	NSS*	Anti-Seize Compound		

E-9644 MEGA PLUS		MERITOR 16-1/2" STEER AXLE BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-2766S	Anchor Pin	For use with relocated return spring shoes and Q+™ camshafts. Can also be used on "Hammer Claw" camshaft. Important Note: Spring must be installed with end hook open toward camshaft head. Contains new Posi-Plus roller. For use with the following Brake Shoes: E-3823 (5"), E-9780 (6"). Double Web Q Brake Shoe used on Mack Front Axles.
	2	2	E-1893	Anchor Pin Bushing	
	3	2	E-2767	Retainer Spring	
	4	1	E-9643	Return Spring	
	5	2	E-11741	Roller	
	6	2	E-747	Spring Retainer	
7	2	E-3007A	Roller Retainer		

E-5515 MEGA PLUS		SPICER 16-1/2" XL XTRALIFE BRAKE			
	ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	1	2	E-2766S	Anchor Pin	For use with following Brake Shoe: E-2778 (7"). Can be used only with Spicer XL Camshafts.
	2	2	E-8938	Anchor Pin Bushing	
	3	2	E-2767	Retainer Spring	
	4	1	E-1880B	Return Spring	
	5	2	E-1582	Roller	
	6	2	E-747	Spring Retainer	
	7	2	E-539	Roller Retainer	
8	1	NSS*	Anti-Seize Compound		

*Not Sold Separately




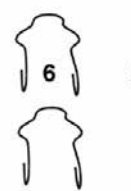

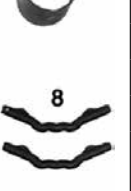


E-3895S STOPMATE PLUS		UNIVERSAL 16-1/2" QUICK CHANGE SERIES BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2767	Retainer Spring	Contains new Posi-Plus roller. For use with all Meritor Q Brake Shoes. Can also be used for all Fruehauf XEM and Spicer Fast Change Shoes.	
2	1	E-2768	Return Spring		
3	2	E-11741	Roller		
4	2	E-747	Spring Retainer		
5	2	E-3007A	Roller Retainer		




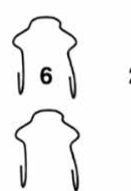

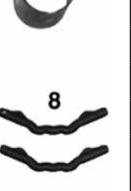


E-3895SHD STOPMATE PLUS		UNIVERSAL 16-1/2" QUICK CHANGE SERIES BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	E-2767	Retainer Spring	Contains new Posi-Plus roller. For use with all Meritor Q Brake Shoes. Can also be used for all Fruehauf XEM and Spicer Fast Change Shoes. Same as E-3895S except has Heavy Duty Return Spring.	
2	1	E-3490S	Return Spring		
3	2	E-11741	Roller		
4	2	E-747	Spring Retainer		
5	2	E-3007A	Roller Retainer		

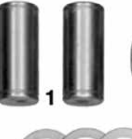

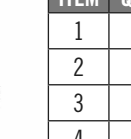
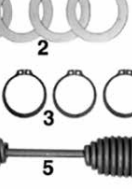




E-4515U STOPMATE		UNIVERSAL 16-1/2" QUICK CHANGE SERIES BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	NSS*	Retainer Spring	Stopmate version of E-3895S.	
2	1	NSS*	Return Spring		
3	2	E-2177	Roller		
4	2	E-747	Spring Retainer		
5	2	E-3007A	Roller Retainer		

E-4515UHD-N STOPMATE		UNIVERSAL 16-1/2" QUICK CHANGE SERIES BRAKE			
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.	
1	2	NSS*	Retainer Spring	Stopmate version of E-3895SHD. Also available bagged as part number E-4515UHD-B	
2	1	NSS*	Return Spring		
3	2	E-2177	Roller		
4	2	E-747	Spring Retainer		
5	2	E-3007A	Roller Retainer		

*Not Sold Separately

E-1816S STOPMATE PLUS		UNIVERSAL KIT W/ FREE-FLOATING ANCHOR PIN FOR 16-1/2" BRAKES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-1112A	Anchor Pin	For Eaton, Fruehauf, Meritor, Spicer (Dana) and Std. Forge Brakes. Contains new Posi-Plus roller. For use with the following Brake Shoes: E-2687 (5"), E-3418 (5"), E-2241 (7"), E-2685 (7"), E-5239 (8-5/8"), E-2496 (10")
	4	E-1113	Washer	
	4	E-801	Lock Ring	
	2	E-11741	Roller	
	1	E-545A	Return Spring	
	2	E-3007A	Roller Retainer	
	2	E-1893S	Anchor Pin Bushing	
	2	E-747	Spring Retainer	

E-1816SHD STOPMATE PLUS		UNIVERSAL KIT W/ FREE-FLOATING ANCHOR PIN FOR 16-1/2"		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-1112A	Anchor Pin	For Eaton, Fruehauf, Meritor, Spicer (Dana) and Std. Forge Brakes. Contains new Posi-Plus roller. For use with the following Brake Shoes: E-2687 (5"), E-3418 (5"), E-2241 (7"), E-2685 (7"), E-5239 (8-5/8"), E-2496 (10")
	4	E-1113	Washer	
	4	E-801	Lock Ring	
	2	E-11741	Roller	
	1	E-1880S	Return Spring	
	2	E-3007A	Roller Retainer	
	2	E-1893S	Anchor Pin Bushing	
	2	E-747	Spring Retainer	

E-1816HD MEGA PLUS		UNIVERSAL KIT WITH FREE-FLOATING ANCHOR PIN FOR 16-1/2" BRAKES		
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
	2	E-1112A	Anchor Pin	For Eaton, Fruehauf, Meritor, Spicer (Dana) and Std. Forge Brakes. Contains new Posi-Plus roller. Use with the following Brake Shoes: E-2687 (5"), E-3418 (5"), E-2241 (7"), E-2685 (7"), E-5239 (8-5/8"), E-2496 (10"). Same as E-1816S except has Heavy Duty Return Spring.
	4	E-1113	Washer	
	4	E-801	Lock Ring	
	2	E-11741	Roller	
	1	E-1880B	Return Spring	
	2	E-3007A	Roller Retainer	
	2	E-8938	Anchor Pin Bushing	
	2	E-747	Spring Retainer	
	1	NSS*	Anti-Seize Compound	

*Not Sold Separately

E-4515P STOPMATE		UNIVERSAL KIT WITH FREE-FLOATING ANCHOR PIN FOR 16-1/2" BRAKES				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-1112A	Anchor Pin	For Eaton, Fruehauf, Meritor, Spicer (Dana) and Std. Forge brakes. Stopmate version of E-1816S.
		2	4	E-1113	Washer	
		3	4	E-801	Lock Ring	
		4	2	E-2177	Roller	
		5	1	E-545A	Return Spring	
		6	2	E-3007A	Roller Retainer	
		7	2	E-1893S	Anchor Pin Bushing	
		8	2	E-747	Spring Retainer	

E-4515PHD STOPMATE		UNIVERSAL KIT WITH FREE-FLOATING ANCHOR PIN FOR 16-1/2" BRAKES				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-1112A	Anchor Pin	For Eaton, Fruehauf, Meritor, Spicer (Dana) and Std. Forge brakes. Stopmate version of E-1816SHD.
		2	4	E-1113	Washer	
		3	4	E-801	Lock Ring	
		4	2	E-2177	Roller	
		5	1	E-1880S	Return Spring	
		6	2	E-3007A	Roller Retainer	
		7	2	E-1893S	Anchor Pin Bushing	
		8	2	E-747	Spring Retainer	

E-2821 MEGA PLUS		EATON 18" SINGLE ANCHOR PIN BRAKE WITH CAST SHOES				
		ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.
		1	2	E-2805	Retainer Spring	For use with the following Brake Shoe: E-2801 (7")
		2	1	E-2804	Return Spring	
		3	2	E-2802	Roller	
4	2	E-2803	Roller Pin			

*Not Sold Separately

E-3992		MEGA PLUS		MERITOR 18" WITH NEW STYLE CAST SHOES				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-3511	Roller	For use with the following Brake Shoe: E-4902 (7")
2	1	E-543	Return Spring					
3	2	E-502	Anchor Pin					
4	4	E-1269	Anchor Pin Seal					
5	4	E-801	Lock Ring					
6	2	E-579A	Anchor Pin Lock Screw					
7	2	E-919	Anchor Pin Bushing					
8	4	E-2218	Brake Shoe Bushing					

E-3518		MEGA PLUS		MERITOR 18" WITH OLD STYLE CAST SHOES				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-3511	Roller	For use with the following Brake Shoe: E-4902 (7")
2	2	E-3513	Retainer					
3	1	E-3512	Return Spring					
4	2	E-502	Anchor Pin					
5	4	E-801	Lock Ring					
6	2	E-579A	Anchor Pin Lock Screw					
7	4	E-1269	Anchor Pin Seal					
8	4	E-2218	Brake Shoe Bushing					

E-5499		MEGA PLUS		SPICER (STD. FORGE) 18" WITH FABRICATED SHOES				
ITEM	QTY.	EUCLID NO.	DESCRIPTION	APPLICATION & GENERAL INFO.				
				1	2	E-512S	Anchor Pin	For use with the following Brake Shoe: E-5500 (7")
2	4	E-801	Lock Ring					
3	4	E-1269	Anchor Pin Seal					
4	2	E-747	Spring Retainer					
5	1	E-1880B	Return Spring					
6	2	E-2395	Roller					
7	2	E-2396	Roller Pin					
8	2	E-527	Roller Pin Retainer					

*Not Sold Separately

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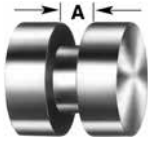
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POSI-PLUS DIAMOND KNURLED ROLLER - FOR FABRICATED BRAKE SHOES					
	EUCLID NO.	OVERALL LENGTH	LENGTH OF LARGE DIA.	O.D.	GENERAL INFORMATION
		E-11741	2-1/4"	1-5/16"	1-1/4"

POSI-ROLL DIAMOND KNURLED ROLLERS - FOR FABRICATED BRAKE SHOES					
	EUCLID NO.	OVERALL LENGTH	LENGTH OF LARGE DIA.	O.D.	GENERAL INFORMATION
	E-5477	2-5/32"	1-1/4"	1-1/4"	For Eaton 16-1/2" ES Brake. Zinc Yellow Dichromate
	E-2177	2-7/32"	1-9/32"	1-1/4"	Same application as E-523.
	E-3914	2-17/64"	1-1/2"	1-5/8"	Same application as E-2672.


ROLLERS - FOR FABRICATED BRAKE SHOES					
	EUCLID NO.	OVERALL LENGTH	LENGTH OF LARGE DIA.	O.D.	GENERAL INFORMATION
	E-10812	1-47/64"	47/64"	1-1/2"	For Meritor 14-1/2" x 5" W Series.
	E-10239	2-5/32"	1-1/4"	1-1/4"	For Eaton 16-1/2" ES Brake. Zinc Yellow Dichromate
	E-3511	2-3/16"	15/16"	1-5/8"	For Meritor 18" x 7" Cast Brake Shoes.
	E-1582	2-7/32"	1-1/4"	1"	For Pro-Par® Axle with 12-1/4" Brakes and Spicer XL XTRALIFE Brakes.
	E-523	2-7/32"	1-9/32"	1-1/4"	For 16-1/2" Brakes with Fabricated Brake Shoes.
	E-586	2-7/32"	1-9/32"	1-1/2"	1/4" Oversize Version of E-523.
	E-10823	2-19/64"	1-15/64"	1-1/2"	For Meritor 14-1/2" x 8" and 10" W Series.
	E-5089	2-21/64"	1-5/16"	1-5/8"	For Mack with Meritor 50,000 lb. Drive Axle.
	E-10824	2-41/64"	1-17/64"	1-1/2"	For Meritor 14-1/2" x 8" and 10" W Series Type 1 and Type 3.

ROLLERS - FOR SINGLE WEB BRAKE SHOES					
	EUCLID NO.	OVERALL LENGTH	LENGTH OF LARGE DIA.	O.D.	GENERAL INFORMATION
		E-3421A	1-3/8"	3/8"	1-1/4"

POSI-ROLL DIAMOND KNURLED ROLLERS


	EUCLID NO.	OVERALL LENGTH	O.D.	I.D.	EUCLID PIN NO.	GENERAL INFORMATION
	E-2217A	23/32"	1-5/8"	15/16"	E-596A	Special Alloy Steel to withstand off the road use or severe highway conditions Zinc Yellow Dichromate
	E-2217S	23/32"	1-5/8"	15/16"	E-596A	Special Alloy Steel to withstand off the road use or severe highway conditions Black Phosphate
	E-2176	1"	1-1/4"	3/4"	E-501	For Cast Shoes. Knurled version of E-500.
	E-2395	1-3/8"	1-1/2"	3/4"	E-2396	For Dexter, Spicer and Std. Forge 12-1/4" Fabricated Brake Shoes

ROLLERS — OTHER

	EUCLID NO.	OVERALL LENGTH	O.D.	I.D.	EUCLID PIN NO.	GENERAL INFORMATION
	E-595	23/32"	1-5/8"	15/16"	E-596A	For Fabricated Brake Shoes
	E-9043	1-1/8"	1-1/4"	3/4"	E-9044	Eaton ES Severe Service Cast Shoes
	E-2802	1-1/4"	1-5/8"	15/16"	E-2803	For Eaton 18 in. x 7 in. Cast Brake Shoes

ROLLER PINS

Brake and
Wheel End

ROLLER PINS — SEVERE SERVICE					
	EUCLID NO.	O.D.	LENGTH	"A"	GENERAL INFORMATION
		E-9044	3/4"	2-1/16"	








ROLLER PINS — OTHER					
	EUCLID NO.	O.D.	LENGTH	"A"	GENERAL INFORMATION
		E-501	3/4"	2-1/4"	
	E-2396	3/4"	2-1/4"		Use with E-2395 Roller and E-527 Retainer
	E-3482	3/4"	2-13/32"		For Meritor 12-1/4" Dia. Q Brake. Use with E-527 Retainer
	E-596A	59/64"	1-25/32"	23/32"	For Late Model Eaton Axles. Use with E-2217A Roller. Also used for Cast Shoes
	E-2803	59/64"	2-5/32"	1-1/4"	For Eaton 18" x 7" Cast Brake Shoes. Use with E-2802 Roller

BRAKE SHOE ANCHOR PINS — OTHER					
	EUCLID NO.	LENGTH	O.D.	O.D. Large - Small	GENERAL INFORMATION
	E-2766S	2-7/32"		1-1/4" - 1"	Meritor Q Brake and Spicer Fast Change Brake. Zinc Clear Chromate Plated
	E-5304	2-1/4"	1"		For Spicer (Dana) 12-1/4" U Brake. Use with E-5305 Retainer Clip. Zinc Clear Chromate Plated
	E-3711	2-3/8"		1-1/4" - 1-1/16"	Late Model Fruehauf XEM Brake. Zinc Yellow Plated
	E-3711S	2-3/8"		1-1/4" - 1-1/16"	Late Model Fruehauf XEM Brake. Zinc Clear Plated
	E-9061	2-3/8"		1-1/4" - 1"	Offset to allow use of E-2778 Q Brake Shoes with Pro-Par® Axle Spiders. Black Finish
	E-609	2-15/32"	1-1/4"		Zinc clear chromate plated. For Meritor and Fruehauf Pro-Par® axle with fabricated shoes.
	E-2390	2-3/4"	1"		For Late Model Std. Forge Fabricated Shoes. 12-1/4" Dia. Brakes with Weld-on Spider. Use with E-2391 Washer and E-2392 Snap Ring. Hard Chrome Plated
	E-1112A	2-3/4"	1-1/4"		For Meritor, Eaton, Fruehauf, Spicer and Std. Forge Axles. Use with E-801 Snap Ring and E-1113 Retainer Washer. Zinc Clear Chromate Plated
	E-512	2-7/8"	1-1/4"		For Meritor and Fruehauf Fabricated Shoes. Hard Chrome Plated



BRAKE SHOE ANCHOR PINS


Brake and
Wheel End


BRAKE HARDWARE


BRAKE SHOE ANCHOR PINS — OTHER					
	EUCLID NO.	LENGTH	O.D.	O.D. Large - Small	GENERAL INFORMATION
	E-512S	2-7/8"	1-1/4"		For Meritor and Fruehauf Fabricated Shoes. Zinc Clear Plated
	E-10835	3-7/16"	1-1/4"		For W Series with Lube Holes.
	E-9041	3-9/16"	1-1/4"		For Eaton ES Severe Service with Cast Shoes. Black Finish
	E-502	3-3/4"	1-1/4"		For Cast and Fabricated shoes with replaceable bushings. Also Late Model Mack. Hard Chrome Plated
	E-10814	4-3/8"	1-1/4"		For W Series with Lube Holes.
	E-2029	6-9/32"	1"		For Spicer 12-1/4" Dia. Brakes. Zinc Clear Chromate Plated
	E-1813	6-31/64"	1"		Zinc clear chromate plated eccentric type. For Standard Forge 12-1/4" brake with wear plates and flat head camshafts.
	E-10825	6-7/8"	1-1/4"		For W Series with Lube Holes.


BRAKE SHOE ANCHOR PINS — OTHER


	EUCLID NO.	LENGTH	O.D.	"A"	HEAD DIA.	APPLICATION
	E-3870	2-11/16"	13/16"		1-1/4"	For Meritor 15" x 4" Front Q Brake. Black Finish
	E-3424	2-3/4"	13/16"	17/32"	1-1/4"	For Meritor T Series 15" x 3-1/2" and 15" x 4" Type 1 and 2 Brakes. Available in Brake Kit E-4691. Zinc Clear Chromate Plated


FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS							
	EUCLID NO.	O.D.	I.D.	THICK	DIM. BETWEEN LEG OPENING	HEIGHT	GENERAL INFORMATION
	E-1106					5/8"	1-11/32"



FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS							
	EUCLID NO.	O.D.	I.D.	THICK	DIM. BETWEEN LEG OPENING	HEIGHT	GENERAL INFORMATION
	E-563	1-3/4"	1-1/4"	1/8"			





	EUCLID NO.	O.D.	I.D.	THICK	GENERAL INFORMATION		
	E-537	1-5/8"	1-1/4"	5/32"		Anchor Pin Felt. Use with E-563 Retainer	





	EUCLID NO.	O.D.	I.D.	THICK	GENERAL INFORMATION		
	E-1426	1-5/8"	1-1/4"	9/64"		Neoprene Anchor Pin Seal. Alternate for E-537 Felt	

FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS							
	EUCLID NO.	O.D.	I.D.	THICK	GENERAL INFORMATION		
	E-1269	1-3/4"	1-1/4"	9/64"		Neoprene Anchor Pin Seal. Alternate for E-537 Felt and E-563 Retainer	




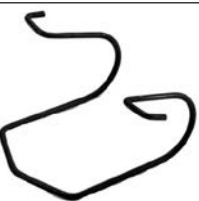
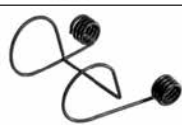
	EUCLID NO.	I.D.	THICK	GENERAL INFORMATION			
	E-527	3/4"		Lock Ring for use with Eaton 16-1/2" Dia. Fabricated Steel Shoes and Std. Forge 12-1/4" Fabricated Steel Shoes			
	E-2392	15/16"		Lock Ring for use with E-2390 Pin			


FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS				
	EUCLID NO.	I.D.	THICK	GENERAL INFORMATION
	E-801	1-1/8"		Lock Ring. For Meritor 4000-6000 Series Axles. Also used on 1-1/4" Anchor Pins with grooves.
	E-10834	1-1/8"		Lock Ring
	E-2723	1-1/4"		Lock Ring


FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS						
	EUCLID NO.	OVERALL LENGTH	HOLE CTR. TO HOLE CTR.	HOLE DIA.	THICK	GENERAL INFORMATION
	E-2401	3-1/2"	1-15/16"		3/16"	Anchor Pin Link for Early Model Std. Forge 12-1/4" Dia. Trailer Brakes with New Style Fabricated Steel Shoe
	E-3871	4"	2-5/16"	15/16"		Anchor Pin Link for 15" x 4" Q Brakes
	E-10829	4-3/4"	2-1/2"	3/4"		Anchor Pin Retainer Plate for Meritor W Series 14-1/2" x 10" Coach Brakes
	E-10819	4-3/4"	2-1/2"	1-1/4"		Anchor Pin Link


	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-1107	3/4"-16	1-1/8"	27/64"	Jam nut. Use with E-1814, E-2029 or E-2414 Anchor Pins
GRADE C 	E-4961A	3/4"-16	1-1/8"	5/8"	Lock Nut for Meritor 15" x 3-1/2" and 4" T Series Brakes.
	E-937	1"-14	1-7/16"	7/8"	Lock Nut for use with E-1403 Anchor Pin and E-3975 Lockwasher
	E-10761				Horse Collar




FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS









	EUCLID NO.	GENERAL INFORMATION
	E-1581	Roller Retainer for Pro-Par® Axle with 12-1/4" Brakes
	E-3007A	Roller Retainer for Meritor Q and Q+™ Brakes
	E-3227	Roller Retainer for all Pro-Par® Axles with 16-1/2" Brakes including XEM
	E-539	Roller Retainer for use with E-523, E-586, E-598, E-781, E-2177, E-2215 Rollers
	E-5478	Brake Shoer Roller Retainer for Eaton 16-1/2" ES Brake

	EUCLID NO.	CLIP OPENING	GENERAL INFORMATION
	E-5124	63/64"	Shoe Hold Down Spring for Eaton 15" x 4" front brakes with 1-1/2" offset spider


	EUCLID NO.	O.D.	LENGTH	GENERAL INFORMATION
	E-9045	3/16"	1-1/4"	Roll Pin Lock for use with E-9044 Roller Pin

	EUCLID NO.	LENGTH	GENERAL INFORMATION
	E-4078	1-1/16"	Rubber Dust Cover for Eaton 15" x 4" Front Brakes



	EUCLID NO.	THREAD	LENGTH	GENERAL INFORMATION
	E-773	1/4"-20	1/4"	Roller Pin Set Screw
	E-9042	5/16"-24	5/8"	Anchor Pin Lock Screw for use with E-9041 and E-9050 Anchor Pins
	E-579A	3/8"-16	5/16"	Anchor Pin Lock Screw used on Both Tractor and Trailer Spiders to Lock Anchor Pin in place

FOR BRAKE ANCHOR PINS, ROLLERS AND ROLLER PINS					
	EUCLID NO.	O.D.	I.D.	THICK	GENERAL INFORMATION
	E-2725				Spring Washer for Wagner 15" x 3", 3-1/2" and 4" Diameter Air Brake
	E-2726				"C" Washer for Wagner 15" x 3", 3-1/2" and 4" Diameter Air Brake
	E-3975		1"		Lock Washer for use with E-1403 Anchor Pin
	E-2724	13/16"	1/4"	1/16"	Guide Washer for Wagner 15" x 3", 3-1/2" and 4" Diameter Air Brake
	E-10817	1-47/64" x 1"	11/32"	3/16"	Anchor Pin Lock for Meritor W Series 14-1/2" x 4" and 6" Coach Brakes
	E-10865	1-1/4"	3/4"	3/64"	Use on Meritor 14-1/2" x 10" W series coach brakes and 15" x 3-1/2" and 4" T brakes.
	E-3874	1-1/4"	13/16"	5/32"	Anchor Pin Washer for Meritor 15" x 4" Front Q Brake
	E-3427	1-3/8"	25/32"	1/8"	Anchor Pin Washer for Meritor 15" x 3-1/2" and 4" T Series Brakes
	E-2391	1-1/2"	1"	1/32"	Anchor Pin Washer for use with E-2390 Anchor Pin
	E-10842	1-5/8"	29/32"	1/4"	Anchor Pin Washer
	E-1113	1-7/8"	1-17/64"	1/16"	Anchor Pin Washer for Meritor 4000-6000 Series Axle Spline End
	E-10831	1-7/8"	1-17/64"	3/32"	Anchor Pin Washer
	E-10832	1-7/8"	1-17/64"	1/8"	Anchor Pin Washer
	E-10833	1-7/8"	1-17/64"	5/32"	Anchor Pin Washer

BRAKE SHOE BUSHINGS

BUSHINGS — OTHER					
	EUCLID NO.	O.D.	I.D.	LENGTH	GENERAL INFORMATION
	E-1808	1-1/16"	1"	1-3/4"	Stainless steel version of E-1026 bushing
	E-2218	1-3/8"	1-1/4"	11/16"	Stainless steel version of E-541 bushing
	E-541	1-3/8"	1-1/4"	11/16"	Powdered Metal impregnated with lubricant.
	E-9047	1-13/32"	1-1/4"	3/4"	Steel. For Eaton ES Severe Service cast brake shoes.
	E-10839	1-1/2"	1-1/4"	5/8"	Use with Meritor coach 14-1/2" brake
	E-10813	1-1/2"	1-1/4"	1-61/64"	Use with Meritor coach 14-1/2" brake.

GREASE FITTINGS

FOR ANCHOR PINS, SUPPORT BRACKETS AND SPIDERS			
	EUCLID NO.	THREAD	GENERAL INFORMATION
	E-1307	1/8" Pipe Thread	Straight fitting. For Anchor Pins, Support Brackets and Spiders
	E-1308	1/8" Pipe Thread	45° angle fitting. For Anchor Pins, Support Brackets and Spiders








FOR SPIDER BUSHINGS					
	EUCLID NO.	O.D.	I.D.	LENGTH	GENERAL INFORMATION
	E-2389	1-1/8"	1"	1-7/16"	For Late Model Std.Forge 12-1/4" Brakes
	E-8938	1-3/8"	1-1/4"	1-29/64"	Stainless steel "dimpled" I.D. Available exclusively from Euclid! Same as E-1893, except dimpled I.D. surface acts as reservoir to trap and hold antiseize lubricant corrosion resistance. Makes anchor pin removal easier at reline.
	E-1893	1-3/8"	1-1/4"	1-29/64"	Stainless steel. Smooth I.D. No slot. Use with E-1112 pin
	E-1893S	1-3/8"	1-1/4"	1-29/64"	Carbon steel. Smooth I.D. No slot. Use with E-1112 pin
	E-919	1-3/8"	1-1/4"	1-15/32"	Stainless Steel. Slot on center. Use with E-502 and E-512 pins
	E-920	1-3/8"	1-1/4"	1-15/32"	Stainless steel. Slot off center. Use with E-609 pin
	E-920S	1-3/8"	1-1/4"	1-15/32"	Carbon steel. Slot off center. Use with E-609 pin
	E-10836	1-1/2"	1-1/4"	1-15/32"	Carbon steel. Slot off center. For Meritor W Brakes.
	E-10828	1-1/8"	3/4"	1/2"	Included in Brake Kit E-10869

RETURN SPRINGS



FOR 12-1/4" BRAKES



Return Spring colors are for identification purposes only. Colors do not indicate the type or quality of spring wire. Colors may or may not match colors used by OEM.









	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 BLACK	E-1025	4-3/16"	3/4"	For 12-1/4" Brakes. Heavy-Duty Version of E-1025 .109 Dia. Wire
 BLUE	E-2101	4-3/16"	3/4"	For 12-1/4" Brakes Heavy-Duty version of E-1025 .120 Dia. Wire
 BLACK	E-1400	6"	1/2"	For 12-1/4" Brakes With Pressed Steel Shoe Only. Use 2 Springs per Shoe
 BLACK	E-757	6-1/4"	1"	For Std. Forge 12-1/4" Brake and Meritor 16-1/4" x 3-1/2" T Series Brake
 BLUE	E-2398	6-9/16"	1"	For 12-1/4" Brakes, Heavy-Duty Version of E-757
 BLACK	E-1583	6-3/4"	1-1/8"	For Fruehauf Pro-Par® Axle 12-1/4" Brakes
 BLUE	E-3481A	6-7/8"	1-1/8"	For Meritor 12-1/4" Q Brake


FOR 14-1/2" COACH BRAKES













	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 BLACK	E-10826	8-1/2"	1-1/4"	W Series Type 1, 2 and 3
 BLACK	E-10818	8-11/16"	5/8"	Steer Axle 14-1/2" x 4", 5", and 6" W Series

RETURN SPRINGS

Brake and
Wheel End

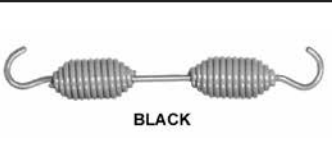







FOR 15" BRAKES				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 RED	E-9037	3-9/16"	1-3/16"	For Eaton 15" x 6" ES Reduced Envelope Front Axle Brake. Requires two springs per brake assembly
 BLUE	E-5123	7-1/8"	13/16"	For Eaton 15" Front Brakes
 GREEN	E-3437	7-3/16"	7/8"	For Meritor T Series 15" Front Brake
 BLACK	E-980	7-1/2"	1-3/32"	For Wagner 15" Drive Axle Brakes
 BLACK	E-3872	7-11/16"	13/16"	For Meritor 15" x 4" Q Brake
 GRAY	E-9063	8-3/8"	1-1/8"	For Meritor 15" Q+™ Brake
 YELLOW	E-979	9-1/2"	5/8"	For Wagner 15" x 3", 3-1/2" Front Brakes.
 WHITE	E-9038	10-1/8"	1-1/8"	For Eaton 15" x 8-5/8" ES Reduced Envelope Drive Axle Brake

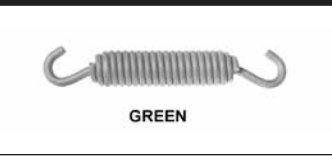





FOR 16-1/4" BRAKES				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 BLACK	E-757	6-1/4"	1"	For Std. Forge 12-1/4" Brake and Meritor 16-1/4" x 3-1/2" T Series Brake

FOR 16-1/2" BRAKES				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 ORANGE	E-9046	6-21/32"	1-1/4"	For Eaton 16-1/2" x 7" ES Severe Service Brake with Cast Shoes
 BLACK	E-544	7-1/2"	1-1/8"	For Std. Forge Cast Shoes
 BLACK	E-752	7-7/8"	1-1/8"	For 16-1/2" Mack Old Style Cast Shoes
 GREEN	E-545A	8"	1-1/8"	For Standard P Style Brakes. Use E-1880B for Heavy-Duty Application
 RED	E-1880B	8"	1-1/4"	100 lb. Mega Plus spring for 18" Brakes. Heavy-Duty version of E-545A. Use for Spicer XL Brakes and Meritor P Brakes.
 GRAY	E-1880S	8"	1-1/4"	For 16-1/2" Brakes. Heavy-Duty Wire, 80 lb. tension, not shot-peened. Found in Stopmate Plus Brake Repair Kits. Same applications as E-1880B.
 BLACK	E-3228	8-3/8"	1-1/8"	For 16-1/2" Fruehauf XEM Brake
 ORANGE	E-2768	8-3/8"	1-1/8"	For 16-1/2" Brakes with Shoe Return Spring for Meritor Q and Spicer Fast Change. Use with E-2767 Spring.
 RED	E-3490B	8-3/8"	1-1/4"	100 lb. Mega Plus spring. Heavy-Duty Version of E-2768 and E-3228. Use for Meritor Q+™
 BROWN	E-3490S	8-3/8"	1-1/4"	Heavy-Duty wire, 80 lb. tension, not shot-peened. Found in Stopmate Plus Brake Repair Kits. Same applications as E-3490B.
 YELLOW	E-8907	8-13/32"	1-1/8"	For Eaton 16-1/2" x 7" ES Severe Service Brake with fabricated shoes and Eaton Top Spec ES retrofit for Fruehauf and Meritor brakes.
 RED	E-9069	8-9/16"	1-1/8"	Bent Center Bar for Meritor 16-1/2" Front Q Brakes on FL Series Axles





RETURN SPRINGS

Brake and
Wheel End










FOR 16-1/2" BRAKES				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 BLACK	E-543	9"	1-1/8"	Used on 16-1/2" x 6" x 7" Shoes. Also 18" x 7" Brakes with Cast Shoe.
 GREEN	E-9643	9-1/16"	1-3/16"	For 16-1/2" Brakes with relocated return spring shoes and Q+™ camshafts. Can also be used on "Hammer Claw" camshafts
 RED	E-2475	10"	1-3/16"	For Eaton 16-1/2" Brakes on Front Axle and Drive Axles with High Mount Shoes
 GRAY	E-10197	10-3/4"	1-1/8"	100 lb. "Mega Plus" spring for Eaton 16-1/2" ES and ES-II Brake
 GREEN	E-2785	10-3/4"	1-5/32"	Alternate Spring for Eaton 16-1/2" Single Anchor Pin Brake. For extra spindle clearance.
 RED	E-1428A	10-13/16"	1-1/8"	100 lb. "Mega Plus" spring for Eaton 16-1/2" Standard Single Anchor Pin Brake. For Alternate Spring use E-2785.
 BROWN	E-1428S	10-13/16"	1-1/8"	For 16-1/2" Brakes. Heavy-Duty wire, 100 lb. tension, not shot-peened. Found in Stopmate Plus Brake Repair Kits. Same applications as E-1428A.






FOR 18" BRAKES				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 GREEN	E-3512	6"	3/4"	For Meritor 18" brake using E-3513 spring retainer
 RED	E-1880B	8"	1-1/4"	100 lb. Mega Plus spring for 18" Brakes. Heavy-Duty version of E-545A. Use for Spicer XL Brakes and Meritor P Brakes.
 BLACK	E-543	9"	1-1/8"	Used on 16-1/2" x 6" x 7" Shoes. Also 18" x 7" Brakes with Cast Shoe.
 GREEN	E-2804	11-3/8"	1-1/4"	For Eaton 18" x 7" Brake.
 GREEN	E-1458	6"	9/16"	For RS Brakes and Pre-121 15" RD Brakes.

RETURN SPRINGS




FOR WEDGE BRAKES				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 BLACK	E-2163	7-1/2"	15/16"	For Twin-plex Drive and Trailer Wedge Brakes. Use with E-2164 Damper.
 BLACK	E-1140	7-3/4"	29/32"	For 15" x 6" and 7" RD and Weld-On RD Trailer Brakes. Replaces old style blue and green spring.
 RED	E-2745	8-3/8"	15/16"	For Bendix "Non-Servo" Front Brake
 YELLOW	E-2476	8-3/8"	1"	For Meritor Front Axle Wedge Brake Square Connecting Rod for Application on Cast Spider




RETAINER SPRINGS

BRAKE RETAINER SPRINGS				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 BLACK	E-5122	3-7/8"	5/8"	For Eaton 15" Front Brakes
 ORANGE	E-1418	4-17/32"	1"	For Eaton 16-1/2" Single Anchor Pin Brakes
 GREEN	E-2805	4-5/8"	1-1/4"	Retainer Spring for Eaton 18" x 7" Brake
 UNPAINTED	E-5305	5"	3/16"	For Spicer 12-1/4" x 7-1/2" U Brake
 BLUE	E-3873	5-9/32"	5/8"	For Meritor 15" x 4" Q Brake
 ORANGE	E-2767	5-1/2"	3/4"	For Eaton 15" x 8- 5/8" REDUCED ENVELOPE, Fruehauf XEM, Spicer and Meritor 12-1/4", 16-1/2" Q and Q+™
 BROWN	E-14657	5-1/2"	4/5"	For Spicer (Dana) 12 1/4" ABS Brakes
 ORANGE	E-10198	5-1/2"	13/16"	For Eaton 16-1/2" x 7" ES-II Brake. Install with Coil End up.
 BLUE	E-5088	6-5/16"	3/4"	For Mack with Meritor 16-1/2" Q Brake on 50,000 lb. Rear Axles

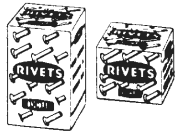
CAM RETURN SPRING RETAINER				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
	E-3513			Use with Meritor 18" Brakes
	E-2399	2-1/8"	15/32"	For Alternate Version use E-747
	E-10822	2-5/32"	27/64"	Use with Meritor Coach 14-1/2" Brakes
	E-747	2-3/4"	1/4"	Use with Fabricated Shoes for Kershaw, Fruehauf, Shuler, Meritor, Spicer (Dana) and Std. Forge
	E-10811	2-25/32"	27/64"	Use with Meritor Coach 14-1/2" Brakes

BRAKE BLOCK BOLTS

ASSEMBLIES						
	EUCLID NO.	DESCRIPTION	REPLACES RIVET	SIZE		
				THREAD	LENGTH	THREAD TYPE
	E-633X	Brass Brake Bolt 48-Inch pounds of torque	NO. 8	3/16"-32	1"	SAE Fine
	E-634X		NO. 10	1/4"-28		
	E-917X	Brass Brake Bolt with Keps Nut 48-Inch pounds of torque	NO. 8	3/16"-24	1"	USS Coarse
	E-918X		NO. 10	1/4"-28		SAE Fine
	E-999X	Steel Brake Bolt 48-Inch pounds of torque	NO. 10	1/4"-28	1"	SAE Fine

	EUCLID NO.	DESCRIPTION	SIZE		THREAD TYPE
			THREAD	LENGTH	
	E-798X	Brass Brake Bolt 15-Foot pounds of torque	3/8"-16	1"	USS Coarse
	E-628X			1-1/4"	
	E-635X			1-1/2"	
	E-797X			1"	
	E-636X	Brass Brake Bolt 15-Foot pounds of torque	3/8"-24	1-1/4"	SAE Fine
	E-583X			1-1/2"	
	E-916X			1"	
	E-914X	Brass Brake Bolt with Steel Washer & Nut 15-Foot pounds of torque	3/8"-16	1-1/4"	USS Coarse
	E-912X			1-1/2"	
	E-915X			1"	
	E-913X	Brass Brake Bolt with Steel Washer & Nut 15-Foot pounds of torque	3/8"-24	1-1/4"	SAE Fine
E-911X	1-1/2"				

BRASS



To eliminate all possible confusion and to insure that the correct quantities will be shipped, we request that you order rivets as follows:

- EXAMPLE**
- "B" = Brass Rivets
 - "S" = Brass-Plated Steel Rivets
 - 7-6B = Brass in 100 per box
 - 7-6B-BK = Brass in 1000 per box
 - 7-6S = Steel in 100 per box
 - 7-6S-BK = Steel in 1000 per box

SIZE	LENGTH	EUCLID NO.
9/64"Body x 5/16"Head	1/4"	4-4B
	9/32"	4-4.5B
	5/16"	4-5B
	3/8"	4-6B
	7/16"	4-7B
9/64"Body x 3/8"Head	1/4"	5-4B
	5/16"	5-5B
	3/8"	5-6B
	3/4"	5-12B
3/16"Body x 3/8"Head	1/4"	7-4B
	5/16"	7-5B
	3/8"	7-6B
	7/16"	7-7B
	1/2"	7-8B
	9/16"	7-9B
	5/8"	7-10B
	3/4"	7-12B
3/16"Body x 1/2"Head	3/8"	8-6B
	7/16"	8-7B
	1/2"	8-8B
	9/16"	8-9B
	5/8"	8-10B
	3/4"	8-12B
.195/.200"Body x 1/2"Head	1/2"	20-8B
	9/16"	20-9B
	5/8"	20-10B
1/4"Body x 1/2"Head	1/2"	10-8B
	9/16"	10-9B
	5/8"	10-10B
	3/4"	10-12B

STEEL

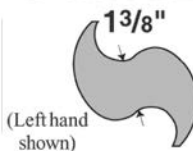
SIZE	LENGTH	EUCLID NO.
3/16"Body x 3/8"Head	3/8"	7-6S
	7/16"	7-7S
3/16"Body x 1/2"Head	3/8"	8-6S
	7/16"	8-7S
	1/2"	8-8S
.195/.200"Body x 1/2"Head	1/2"	20-8S
	9/16"	20-9S
1/4"Body x 1/2"Head	7/16"	10-7S
	1/2"	10-8S
	9/16"	10-9S
	5/8"	10-10S

BRAKE IDENTIFICATION:

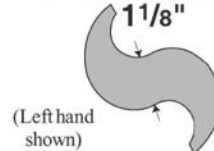
HOW TO USE THIS CHART

- Compare Brake Shoe Profiles
- Compare Table End Views
- Compare Brake Block Drill Patterns
- Determine Which Type of Camshaft Each Brake Shoe Uses

"STANDARD" S-CAM HEAD



"EXTENDED LIFE" S-CAM HEAD



"STANDARD" BRAKES

BRAKE BLOCK DRILL PATTERN	TABLE	BRAKE TYPE
FMSI 4311J 28 Holes 3/4" Thick 10-8 Rivets	 anchor end view Use "std." OR "ext. life" camshaft	EATON 1 1/4" E-1778
FMSI 4515E 32 Holes 3/4" Thick 10-8 Rivets	 roller end view Use "std." camshaft	FRUEHAUF "XEM" 59/64" 1 1/16" E-3920
FMSI 4515E 32 Holes 3/4" Thick 10-8 Rivets	 roller end view Use "std." OR "ext. life" camshaft	MERITOR "Q" 1 1/4" 1" E-2778
FMSI 4515E 32 Holes 3/4" Thick 10-8 Rivets	 roller end view Use "std." OR "ext. life" camshaft	MERITOR "Q" FOR FRUEHAUF 1" 1" E-6075
FMSI 4515E 32 Holes 3/4" Thick 10-8 Rivets	 roller end view Use "std." OR "ext. life" camshaft	SPICER "FAST CHANGE" 1 1/4" 1" E-2778

"EXTENDED LIFE" BRAKES

BRAKE TYPE	TABLE	BRAKE BLOCK DRILL PATTERN
EATON "ES I" 1 1/4" E-5480	 anchor end view Use "ext. life" camshaft	FMSI 4709 28 Holes 7/8" Thick 10-9 Rivets
EATON "ES II" 1 1/4" E-10272	 anchor end view Use "ext. life" camshaft	FMSI 4709 28 Holes 7/8" Thick 10-9 Rivets
EATON TOP SPEC "ES" FOR FRUEHAUF 59/64" 1 1/16" E-8922	 roller end view Use "std." camshaft	FMSI 4708 28 Holes 13/16" Thick 10-9 Rivets
MERITOR "Q PLUS" 1 1/4" 1" E-5503	 roller end view Use "ext. life" camshaft	FMSI 4707 28 Holes 7/8" Thick 10-9 Rivets
EATON TOP SPEC "ES" FOR MERITOR 1 1/4" E-8924	 roller end view Use "std." OR "ext. life" camshaft	FMSI 4708 28 Holes 13/16" Thick 10-9 Rivets



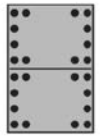


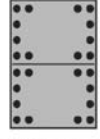
"Standard" vs. "Extended Life"

"Standard" brakes use "standard" OR "extended life" camshafts.

Most "extended life" brakes use ONLY "extended life" camshafts.

Fruehauf brakes use ONLY "standard" camshafts.

"EXTENDED LIFE" BRAKES







BRAKE TYPE	TABLE	BRAKE BLOCK DRILL PATTERN
SPICER "XL"  E-2778	 roller end view Use "ext. life" camshaft	FMSI 4701  24 Holes 7/8" Thick 10-9 Rivets
SPICER "XL II"  E-5503	 roller end view Use "ext. life" camshaft	FMSI 4707  24 Holes 7/8" Thick 10-9 Rivets

EUCLID SHOE NO.	BRAKE TYPE	EUCLID KIT NO.
E-1778	EATON	E-1887AHD E-1887ASHD
E-2778	MERITOR "Q" SPICER "FAST CHANGE"	E-2769HD E-2769S E-2769SHD
E-2778	SPICER "XL"	E-5515
E-3920	FRUEHAUF "XEM"	E-3710HD E-3710S E-3710SHD
E-5480	EATON "ES"	E-5481A
E-5503	MERITOR "Q PLUS" & SPICER "XL II"	E-2769HD E-2769SHD
E-6075	MERITOR "Q" FOR FRUEHAUF	E-2769HD E-2769S E-2769SHD
E-8922	EATON TOP SPEC "ES" FOR FRUEHAUF	E-8923
E-8924	EATON TOP SPEC "ES" FOR MERITOR	E-8925
E-10272	EATON "ES II"	E-10244

CAM BRAKE SHOES


Brake and
Wheel End

BRAKE HARDWARE

12-1/4" DIAMETER						
UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION	
	E-9025	12-1/4" x 4"	4700	8-	E-2402HD, E-2403HD	Dexter
	E-9026	12-1/4" x 5"	4661C	8-	E-2402HD, E-2403HD	Dexter
	E-10876	12-1/4" x 4"	4700	8-	E-10875	Dexter PQ
	E-10877	12-1/4" x 5"	4661C	8-	E-10875	Dexter PQ
	E-10878	12-1/4" x 7-1/2"	4591	8-	E-10875	Dexter PQ
	E-1580	12-1/4" x 8"	4649	20-8	E-2286	Fruehauf Pro-Par®
	E-10762	12-1/4" x 5-1/2"	4536E		E-10757 (early version), E-10756 (later version)	Spicer
	E-10763	12-1/4" x 7-1/2"	4692		E-10757 (early version), E-10756 (later version)	Spicer
	E-5303A	12-1/4" x 7-1/2"	4692	10-8	E-3782, E-9283	Spicer and Std. Forge U Brake
	E-2393	12-1/4" x 5-1/2"	4536B	20-8	E-2402HD, E-2403HD	Standard Forge Heavy-Duty Version for Severe Service
	E-2394	12-1/4" x 7-1/2"	4591	20-8	E-2402HD, E-2403HD	Standard Forge Heavy-Duty Version for Severe Service


COACH BRAKE SHOES

14-1/2" DIAMETER

	UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION
	E-10804	14-1/2" x 5"	4398B	3/8" Bolt	E-10866-A	Meritor Coach
	E-10803	14-1/2" x 6"	4228B	3/8" Bolt	E-10841-A	Meritor Coach
	E-10810	14-1/2" x 10"	4592A	3/8" Bolt	E-10869	Meritor Coach

WEDGE BRAKE SHOES

15" DIAMETER

	UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION
	E-2689	15" x 5"	4615	10-9	See Meritor Wedge Brake Section	Meritor STOPMASTER
	E-1139	15" x 7"	4602	10-9	See Meritor Wedge Brake Section	Meritor STOPMASTER

CAM BRAKE SHOES





15" DIAMETER





	UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION
	E-5126	15" x 4"	1308	10-7	E-5139	Eaton Single Anchor Pin Front Axle
E-9027	15" x 4"	1443TT	10-7	E-5139	Eaton ES EXTENDED SERVICE Front Axle. Single web. Stamping No.: 807686	
	E-9036	15" x 8-5/8"	4717	10-	E-9039	Eaton REDUCED ENVELOPE Brake
	E-5528	15" x 4"	1308T	10-7	E-3869, E-7899	Meritor Q Brake Front Axle. Mfg. Stamping No.: 3222-D-1980 (Web); 3222-B-1094 (Table)
	E-9062	15" x 4"	4702	10-9	E-9064	Meritor Q+™ Brake. Mfg. Stamping No.: 3222-F-2164 (Web); 3222-W-1947 (Table)
	E-11453	15" x 5"	4703	10-9	E-9064	Meritor Q+™ Brake. Front Axle. Mfg. Stamping No.: 3222-B-2108 (Web); 3222-R-1968 (Table)
	E-11454	15" x 6"	4704	10-9	E-9064	Meritor Q+™ Brake. Front Axle. Mfg. Stamping No.: 3222-B-2108 (Web); 3222-E-1955 (Table)
	E-11455	15" x 7"	4705	10-9	E-9064	Meritor Q+™ Brake. Rear Drive or Trailer Axle. Mfg. Stamping No.: 3222-B-2108 (Web); 3222-X-1948 (Table)
	E-11456	15" x 8-5/8"	4710	10-9	E-9064	Meritor Q+™ Brake. Drive and Trailer Axle. Mfg. Stamping No.: 3222-B-2108 (Web); 3222-B-2160 (Table)


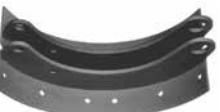
CAM BRAKE SHOES


Brake and
Wheel End


BRAKE HARDWARE

16-1/2" DIAMETER						
	UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION
	E-2474	16-1/2" x 5"	4223A	10-10	E-3801	Eaton Single Anchor Pin - High Mount (Offset Spring Retainer Pin)
	E-9509	16-1/2" x 6"	4317	10-8	E-3801	Eaton Single Anchor Pin - High Mount (Offset Spring Retainer Pin)
	E-8924	16-1/2" x 7"	4708	10-9	E-8925	Eaton Top Spec ES For Meritor Q Brake (not for Meritor Q+™)
	E-10270	16-1/2" x 5"	4719	10-9	E-10760	Eaton ES II Brake. Mfg. Stamping No.: 819700 (Web)
	E-10271	16-1/2" x 6"	4725	10-9	E-10760	
	E-10272	16-1/2" x 7"	4709	10-9	E-10244	
	E-10273	16-1/2" x 8-5/8"	4726	10-9	E-10244	
	E-3920	16-1/2" x 7"	4515E	10-8	E-3710 Series, E-3895 Series	Freuhauf Current Design XEM


16-1/2" DIAMETER						
	UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION
	E-2687	16-1/2" x 5"	4524B	10-8	KIT-4 Series, E-1816 Series	Meritor P Brake Front Axle
	E-3522	16-1/2" x 8-5/8"	4551B	10-8	E-2769 Series, E-3895 Series, E-6999 Series	Meritor Q Brake
	E-3417	16-1/2" x 10"	4514G, 4549C	10-8	E-2769 Series, E-3895 Series, E-6999 Series	Meritor Q Brake
	E-10854	16-1/2" x 5"	4720	10-9	E-9644	Meritor Q+™ Brake. NOTE: Euclid recommends using only Heavy-Duty Return Springs with Q+™ Brakes.
	E-10847	16-1/2" x 6"	4715	10-9	E-9644	Meritor Q+™ Brake. NOTE: Euclid recommends using only Heavy-Duty Return Springs with Q+™ Brakes.
	E-5503	16-1/2" x 7"	4707	10-9	E-2769 Series	Meritor Q+™ Brake. NOTE: Euclid recommends using only Heavy-Duty Return Springs with Q+™ Brakes.
	E-10844	16-1/2" x 8-5/8"	4711	10-9	E-2769 Series	Meritor Q+™ Brake. NOTE: Euclid recommends using only Heavy-Duty Return Springs with Q+™ Brakes.
	E-2778	16-1/2" x 7"	4515E Meritor, 4701 Spicer	10-8 Meritor, 10-9 Spicer	E-2769 Series, E-3895 Series, E-6999 Series Meritor Appl. E-5515 Spicer Applications	Meritor Q Brake. Spicer XL XTRALIFE Brake.


18" DIAMETER						
	UNLINED SHOE NO.	SIZE	FMSI NO.	RIVET	USE BRAKE REPAIR KIT	APPLICATION
	E-2801	18" x 7"	4527B		E-2821	Eaton Single Anchor Pin Mack, Navistar - Cast Iron
	E-5500	18" x 7"	4284		E-5499	Spicer and Std. Forge

12-1/4" DIAMETER						
	EUCLID NO.	PILOT DIA.	BOLT CIRCLE DIA.	HOLE DIA.	NO. OF MTG. HOLES	GENERAL INFORMATION
	E-1108	5-5/8"				

16-1/2" DIAMETER						
	EUCLID NO.	PILOT DIA.	BOLT CIRCLE DIA.	HOLE DIA.	NO. OF MTG. HOLES	GENERAL INFORMATION
	E-959					

BRAKE AND AXLE PARTS

BRAKE FLANGE						
	EUCLID NO.	PILOT DIA.	BOLT CIRCLE DIA.	HOLE DIA.	NO. OF MTG. HOLES	GENERAL INFORMATION
	E-864	5-1/8"	6-5/8"	1/2"	16	

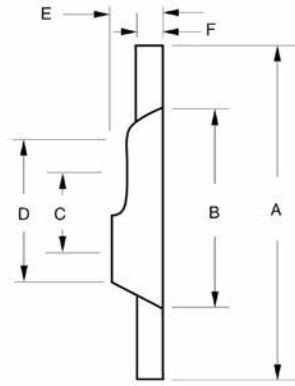
BRAKE SPIDER MOUNTING BOLT AND NUT				
	EUCLID NO.	BOLT DIAMETER	BOLT LENGTH	GENERAL INFORMATION
	E-632	1/2"	1-13/16"	

DUST SHIELDS

BRAKE HARDWARE

FOR MERITOR TRAILER APPLICATIONS WITH FABRICATED STEEL SPIDERS

1 PIECE SET



BRAKE SIZE	EUCLID NO.	A	B	C	D	E	F	COMMENTS
16-1/2" x 6"	E-9095AHD¹	18-1/4"	14-3/8"	5-1/4", 5-3/4"	11"	2-3/4"	5/8"	4-13/32" Holes
16-1/2" x 7"	E-9095A							

DUST SHIELD MOUNTING KIT FOR MERITOR FABRICATED STEEL SPIDERS

	EUCLID NO.	INCLUDES	COMMENTS
	E-10243	1 ABS Grommet 2 Dust Plugs 4 Dust Spacers 4 Mounting Screws	For use with E-9095 Dust Shield. Services one Dust Shield. Torque spec 25-35 ft.lb.

¹Includes Spacers

FOR MULTI-PURPOSE TRAILER APPLICATIONS

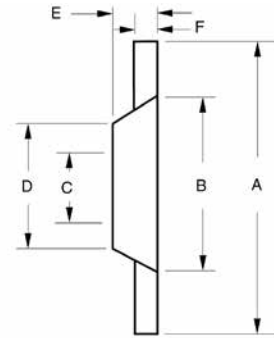
1 PIECE



E-886
STEEL
16 Gage



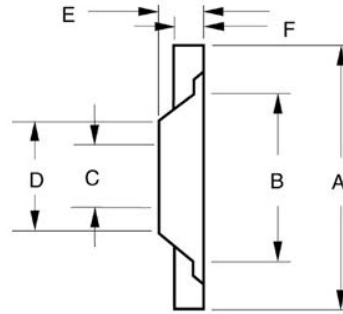
E-3775
PLASTIC
Space age nylon plastic is corrosion-resistant and 3.5 lbs. lighter than steel dust shield



BRAKE SIZE	EUCLID NO.	TYPE	A	B	C	D	E	F	COMMENTS
16-1/2" x 6", 16-1/2" x 7"	E-3775	Plastic Version of E-886	18-1/4"	14-3/8"	7-13/16"	10"	3"	5/8"	4-11/32" Holes
16-1/2" x 6", 16-1/2" x 7"	E-886	Steel – 16 Gauge	18-1/4"	14-3/8"	7-13/16"	10"	3"	5/8"	4-25/32" Holes

FOR EATON BRAKES - TRUCK/TRACTOR APPLICATION WITH CAST SPIDERS

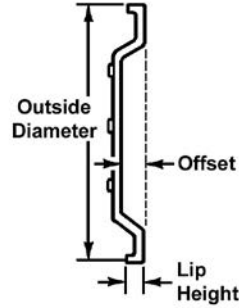
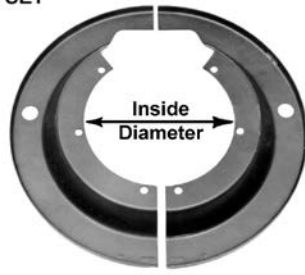
2 PIECE SET



BRAKE SIZE	EUCLID NO.	A	B	C	D	E	F
16-1/2" x 7"	E-2807	18-1/4"	11-5/8"	9-15/16"	11-1/2"	1-1/4"	5/8"

FOR MERITOR P BRAKES

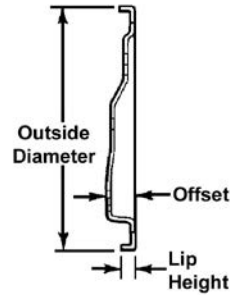
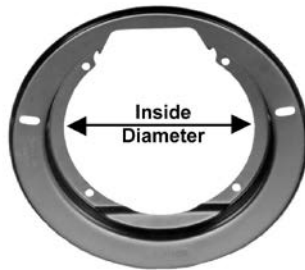
2 PIECE SET



BRAKE SIZE	EUCLID NO.	OUTER DIA.	INNER DIA.	OFFSET	LIP HEIGHT
16-1/2" x 7"	E-11939	18-1/8"	8-15/16"	1-5/8"	9/16"
16-1/2" x 6"	E-11941	18-1/8"	9-7/8"	3/4"	2-1/32"
	E-11942 1	18-1/8"	10-11/16"	1-1/4"	17/64"
18"	E-11943	19-5/8"	10-1/8"	3/4"	2-1/32"

FOR MERITOR Q+ BRAKES

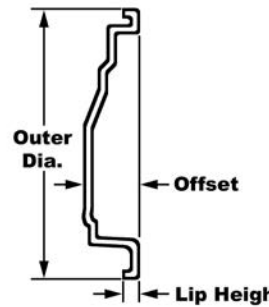
1 PIECE



BRAKE SIZE	EUCLID NO.	OUTER DIA.	INNER DIA.	OFFSET	LIP HEIGHT
15" x 4"	E-11935	16-9/16"	10-1/2"	1-5/32"	39/64"

FOR MERITOR Q+ BRAKES

2 PIECE SET

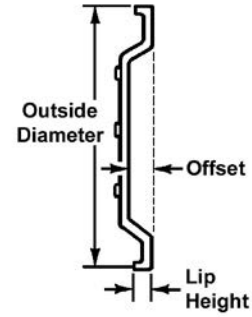
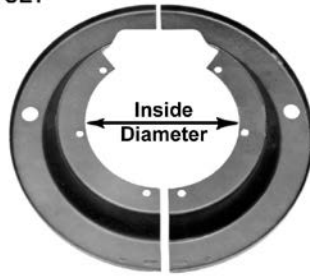


BRAKE SIZE	EUCLID NO.	OUTER DIA.	INNER DIA.	OFFSET	LIP HEIGHT
16-1/2" x 7"	E-11937	18-1/8"	9-5/8"	2-25/64"	9/16"

1 Includes Spacers

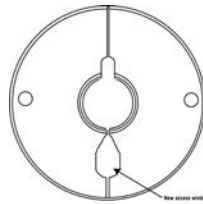
FOR MERITOR P AND Q BRAKES

2 PIECE SET



BRAKE SIZE	EUCLID NO.	OUTER DIA.	INNER DIA.	OFFSET	LIP HEIGHT
16-1/2" x 5", 16-1/2" x 6"	E-11938	18-1/8"	10-11/16"	1-1/4"	17/64"
16-1/2" x 5", 16-1/2" x 7"	E-11940	18-1/8"	10-1/8"	1-1/2"	21/32"

FOR INTRAAX®, VANTRAAX AND TRAILER AXLES



BRAKE SIZE	EUCLID NO.	OUTER DIA.	INNER DIA.	NOTES
16-1/2"	E-11907H	18-7/16"	5-1/8"	Genuine Hendrickson
16-1/2"	E-11907	18-7/16"	5-1/8"	Aftermarket
16-1/2"	E-14924	18-7/16"	5-3/4"	Aftermarket
16-1/2"	E-14924H	18-7/16"	5-3/4"	Genuine Hendrickson

EUCLID CAMSHAFT E.S.P. GUIDE - - - - - 2-3

BRAKE CAMSHAFTS — STEERING AXLE - - - - - 2-19

BRAKE CAMSHAFTS — DRIVE AXLE - - - - - 2-22

BRAKE CAMSHAFTS — TRAILER AXLE - - - - - 2-30

CAMSHAFT REPAIR KITS AND HARDWARE - - - - - 2-51

CAMSHAFT SUPPORT BRACKETS - - - - - 2-73

CAMSHAFT SUPPORT BUSHING ASSEMBLY - - - - - 2-75

CAMSHAFT SUPPORT BRACKETS AND ASSEMBLIES - - - - - 2-76

CAMSHAFT TUBE ENCLOSURES FOR TRAILERS - - - - - 2-77

SUPPORT BRACKET AND MOUNTING PLATES - - - - - 2-78

CAMSHAFT BUSHINGS - - - - - 2-78

CAMSHAFT SPIDER BUSHINGS KITS - - - - - 2-83

CAMSHAFT SEALS - - - - - 2-84

CAMSHAFT SPACER WASHERS - - - - - 2-86

CAMSHAFT WASHERS - - - - - 2-87

CAMSHAFT SPACER WASHERS - - - - - 2-87

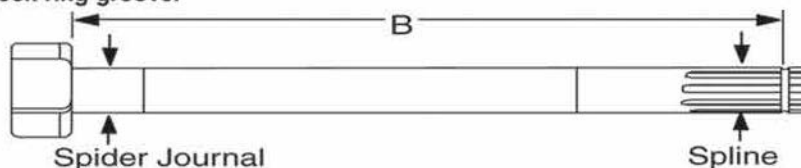
CAMSHAFT WASHERS - - - - - 2-88

CAMSHAFT LOCK RINGS - - - - - 2-89

CAMSHAFTS

How to use this Euclid E.S.P. Guide

1. Measure Camshaft Length. All Euclid Camshaft Lengths are measured from under the camshaft head to the beginning of the lock ring groove.



2. Locate approximate camshaft length in guide (Camshafts are listed in order of length, from shortest to longest).
3. After finding camshafts in the approximate length area, determine Camshaft Head Type, using Head Type photos and Head Width Dimensions.
4. Narrow your final selection by Spline, Journal Diameter, and any other notes listed.

Note 1 - Meritor Trailer Camshaft Journal Length and Hardware Selection

With the two different Meritor trailer camshaft journals, care must be taken to match the camshaft with the correct journal length (from under head to first snap ring groove) to the proper hardware. If the proper hardware is not used with these camshafts, damage can occur to foundation brake components, resulting in possible brake failure. Camshafts with the 2 5/64" journal length will work in all applications, but E-9075 Spacers will be needed with certain spiders (see table below).

SPIDER TYPE	JOURNAL LGTH.	E-9075 NEEDED?	CAMSHAFT REPAIR KIT
Cast or Fabricated with	1 25/32"	NO	E-3520A, E-3520AHD, E-3989AHD, or E-9078HD
Weld-on Bushing Retainer	2 5/64"	YES	E-9078HD (contains E-9075 Spacers)
Fabricated with Bolt-on Bushing	2 5/64"	NO	E-9079HD (contains E-6076 Bolt-on Bushings)

Note 2 - Spicer (Dana) 12 1/4" Camshaft, Brake Shoe and Hardware Selection

The two current Spicer 12 1/4" camshaft designs that Euclid offers are the Standard head (Type 3 on E.S.P. Guide), and the second design "Fast-Rise" head, with "0794" OE head marking (Type 5 on E.S.P. Guide). Below is application information on these two camshaft series, along with the associated Euclid Brake Shoe and Repair Kit part numbers required.

The first design "Fast-Rise", with "M12" OE head marking (part numbers E-6083 through E-6100), have been discontinued by Spicer and Euclid. Standard and first design "Fast-Rise" camshafts can be replaced in pairs with second design "Fast-Rise" when using the correct shoe and roller (see below). Do not mix standard, first design or second design "Fast-Rise" camshafts on a single or tandem axle.

SHOE TYPE USED	EUCLID PART NO.	SHOE WIDTH	FMSI	BRAKE REPAIR KIT	ROLLER PART NO.	ROLLER DIAMETER	ROLLER DESIGN	CAMSHAFT DESIGN
Cast	E-1412A E-1413A	5 1/2" 7 1/2"	4544 4607	E-2030HD	E-2176	1 1/4"	2 Piece	Standard
Fabricated "Severe Service" (Closed Roller End)	E-2393 E-2394	5 1/2" 7 1/2"	4536B 4591	E-2402HD E-2403HD*	E-2395	1 1/2"	2 Piece	Standard
Fabricated "Standard Version" (Open Roller End)	E-2393A E-2394A	5 1/2" 7 1/2"	4536E 4692	E-3373HD E-3374HD*	E-2177	1 1/4"	1 Piece	Standard
				E-9281 E-9282*	E-586	1 1/2"	1 Piece	"Fast-Rise" (0794)
Fabricated "U" (Open Roller End)	E-5303A	7 1/2"	4692	E-3782	E-2177	1 1/4"	1 Piece	Standard
				E-9283	E-586	1 1/2"	1 Piece	"Fast-Rise" (0794)

* Conversion Brake Repair Kits to install fabricated shoes on bolt-on spiders, in place of cast shoes

"Extended Life" Camshafts

Euclid's "Extended Life" descriptions apply to Meritor's "Q Plus", Spicer Dana's "Xtralife", and Eaton's "ES". For look-up purposes, Euclid groups these 16 1/2" versions together. Meritor "Q Plus", Dana "Xtralife", and Eaton "ES" are registered trademarks.

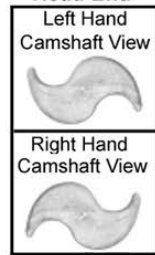
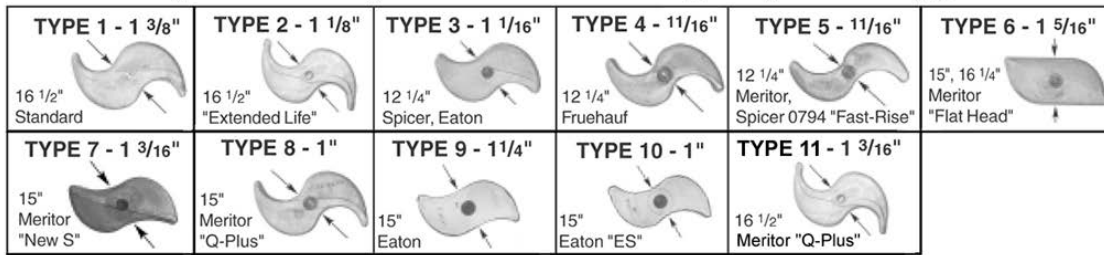
When retrofitting from standard head to "Extended Life" camshafts, Euclid strongly recommends replacing both camshafts on a single axle or all camshafts on a tandem axle to promote a balanced brake condition. To retrofit standard or first design "Fast-Rise" Spicer 12 1/4" camshafts, see **Note 2**, above.

Meritor 16 1/2" Steer Axle "Hammer Claw" Camshaft Replacement

To replace Meritor's discontinued "Hammer Claw" camshafts on 16 1/2" steer axle brakes, use the same length "Q Plus" camshaft and the E-9643 offset-center bar return spring (Brake Repair Kit E-9644). The spring must be installed with the end hooks open toward the camshaft head. The E-9643 return spring can also service the "Hammer Claw" camshaft.

Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*

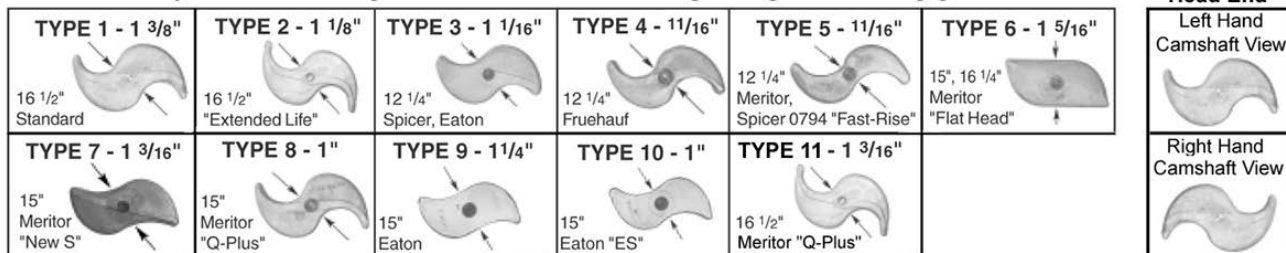


Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
6-13/64"	11	1-1/2"-28	1-1/2"	E-11513	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11512	RH				
6-13/32"	11	1-1/2"-10	1-1/2"	E-4705B	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-4704B	RH				
7-3/32"	11	1-1/2"-28	1-1/2"	E-11515	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11514	RH				
7-13/32"	1	1-1/2"-10	1-1/2"	E-4892	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal
				E-4893	RH				
7-1/2"	2	1-1/2"-10	1-1/2"	E-16836	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32
				E-16837	RH				
7-1/2"	2	1-1/2"-10	1-1/2"	E-16848	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32
				E-16849	RH				
7-5/8"	2	1-1/2"-10	1-1/2"	E-16838	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32
				E-16839	RH				
7-5/8"	9	1-1/4"-10	1-1/2"	E-16826	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-16827	RH				
7-21/32"	7	1-1/4"-10	1-1/4"	E-9693	LH	S	E-3446	Meritor 15" T	
				E-9694	RH				
7-23/32"	11	1-1/2"-28	1-1/2"	E-9645	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9646	RH				
7-29/32"	11	1-1/2"-10	1-1/2"	E-4707B	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-4706B	RH				
8-1/16"	11	1-1/2"-28	1-1/2"	E-9647	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9648	RH				
8-13/64"	11	1-1/2"-28	1-1/2"	E-11517	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11516	RH				
8-5/16"	11	1-1/2"-28	1-1/2"	E-11519	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11518	RH				
8-29/64"	8	1-1/2"-28	1-1/2"	E-11520	LH	S	E-3993B	Meritor 15" Q+	
				E-11521	RH				
8-15/32"	7	1-1/4"-10	1-1/4"	E-9697	LH	S	E-3446	Meritor 15" T	
				E-9698	RH				

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
AXLE = S-Steering; D-Drive; T-Trailer

Listed by Camshaft Length from under head to beginning of lock ring groove.



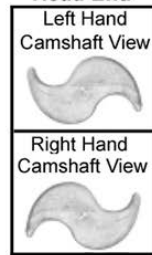
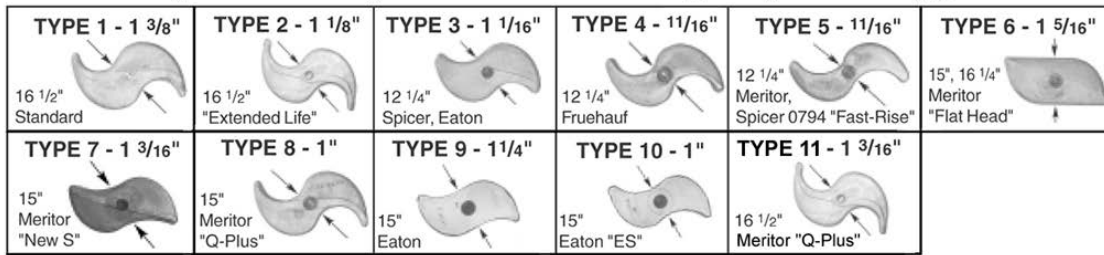
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES																																																																																																																																																																												
8-1/2"	7	1-1/4"-10	1-1/4"	E-9697	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T																																																																																																																																																																													
				E-9698	RH					8-1/2"	7	1-1/4"-24	1-1/4"	E-9707	LH	S	E-3876	Meritor 15" Q	1-3/4" Head Length	E-9708	RH	8-1/2"	2	1-1/2"-10	1-1/2"	E-16840	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32	E-16841	RH	8-1/2"	2	1-1/2"-10	1-1/2"	E-16848	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32	E-16849	RH	8-35/64"	8	1-1/2"-10	1-1/2"	E-2479B	LH	D	E-3993B	Meritor 16-1/2" Q+		E-2478B	RH	8-9/16"	9	1-1/4"-10	1-1/4"	E-5060	LH	S	E-5140	Eaton 15"		E-5061	RH	8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-2799	RH	8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"
8-1/2"	7	1-1/4"-24	1-1/4"	E-9707	LH	S	E-3876	Meritor 15" Q	1-3/4" Head Length																																																																																																																																																																												
				E-9708	RH					8-1/2"	2	1-1/2"-10	1-1/2"	E-16840	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32	E-16841	RH	8-1/2"	2	1-1/2"-10	1-1/2"	E-16848	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32	E-16849	RH	8-35/64"	8	1-1/2"-10	1-1/2"	E-2479B	LH	D	E-3993B	Meritor 16-1/2" Q+		E-2478B	RH	8-9/16"	9	1-1/4"-10	1-1/4"	E-5060	LH	S	E-5140	Eaton 15"		E-5061	RH	8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-2799	RH	8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH				
8-1/2"	2	1-1/2"-10	1-1/2"	E-16840	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32																																																																																																																																																																												
				E-16841	RH					8-1/2"	2	1-1/2"-10	1-1/2"	E-16848	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32	E-16849	RH	8-35/64"	8	1-1/2"-10	1-1/2"	E-2479B	LH	D	E-3993B	Meritor 16-1/2" Q+		E-2478B	RH	8-9/16"	9	1-1/4"-10	1-1/4"	E-5060	LH	S	E-5140	Eaton 15"		E-5061	RH	8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-2799	RH	8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																
8-1/2"	2	1-1/2"-10	1-1/2"	E-16848	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32																																																																																																																																																																												
				E-16849	RH					8-35/64"	8	1-1/2"-10	1-1/2"	E-2479B	LH	D	E-3993B	Meritor 16-1/2" Q+		E-2478B	RH	8-9/16"	9	1-1/4"-10	1-1/4"	E-5060	LH	S	E-5140	Eaton 15"		E-5061	RH	8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-2799	RH	8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																												
8-35/64"	8	1-1/2"-10	1-1/2"	E-2479B	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																													
				E-2478B	RH					8-9/16"	9	1-1/4"-10	1-1/4"	E-5060	LH	S	E-5140	Eaton 15"		E-5061	RH	8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-2799	RH	8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																								
8-9/16"	9	1-1/4"-10	1-1/4"	E-5060	LH	S	E-5140	Eaton 15"																																																																																																																																																																													
				E-5061	RH					8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-2799	RH	8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																				
8-9/16"	1	1-1/2"-10	1-1/2"	E-2800	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"																																																																																																																																																																												
				E-2799	RH					8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9650	RH	8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																
8-9/16"	11	1-1/2"-28	1-1/2"	E-9649	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)																																																																																																																																																																												
				E-9650	RH					8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+		E-11608	RH	8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																												
8-37/64"	11	1-1/2"-28	1-5/8"	E-11609	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																													
				E-11608	RH					8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"	E-5491	RH	8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																								
8-5/8"	2	1-1/2"-10	1-1/2"	E-5490	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Also 15" Red. Env., Lock Ring End Dia. - 1-1/8"																																																																																																																																																																												
				E-5491	RH					8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+		E-11523	RH	8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																																				
8-45/64"	8	1-1/2"-28	1-1/2"	E-11522	LH	S	E-3993B	Meritor 15" Q+																																																																																																																																																																													
				E-11523	RH					8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11524	RH	8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																																																
8-45/64"	11	1-1/2"-28	1-1/2"	E-11525	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																													
				E-11524	RH					8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+		E-11969	RH	9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																																																												
8-45/64"	11	1-1/2"-28	1-5/8"	E-11968	LH	D	E-11904	Meritor 15" Q+																																																																																																																																																																													
				E-11969	RH					9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9652	RH	9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																																																																								
9-1/16"	11	1-1/2"-28	1-1/2"	E-9651	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)																																																																																																																																																																												
				E-9652	RH					9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9688A	RH	9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																																																																																				
9-1/16"	11	1-1/2"-10	1-1/2"	E-9687A	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																													
				E-9688A	RH					9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16843	RH																																																																																																																																																																
9-1/8"	2	1-1/2"-10	1-1/2"	E-16842	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																												
				E-16843	RH																																																																																																																																																																																

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
AXLE = S-Steering; D-Drive; T-Trailer

Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*



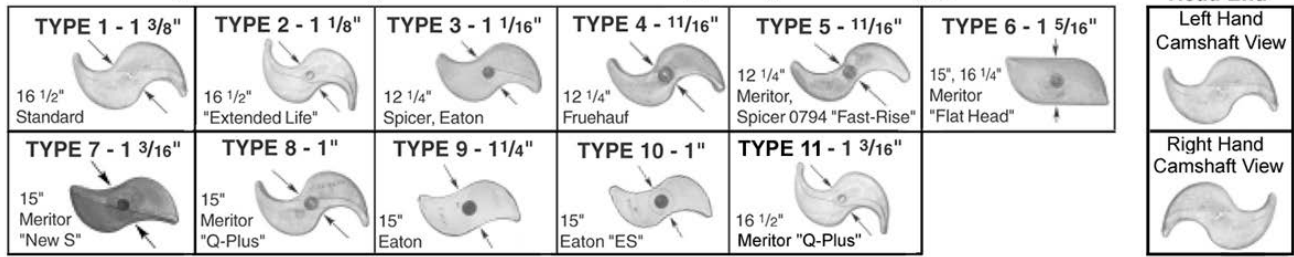
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES																																																																																																																																																																																								
9-1/8"	2	1-1/2"-10	1-1/2"	E-16852	LH	D	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-16853	RH					9-3/16"	9	1-1/4"-10	1-1/4"	E-5131	LH	S	E-5140	Eaton 15"		E-5132	RH	9-3/16"	10	1-1/4"-10	1-1/4"	E-9030	LH	S	E-5140	Eaton 15" ES		E-9031	RH	9-1/4"	7	1-1/4"-10	1-1/4"	E-9699	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9700	RH	9-1/4"	7	1-1/4"-24	1-1/4"	E-5529	LH	S	E-3876	Meritor 15" Q	1-3/4" Head Length	E-5530	RH	9-1/4"	8	1-1/2"-28	1-1/2"	E-9065	LH	S	E-3993B	Meritor 15" Q+		E-9066	RH	9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+		E-11610	RH	9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"
9-3/16"	9	1-1/4"-10	1-1/4"	E-5131	LH	S	E-5140	Eaton 15"																																																																																																																																																																																									
				E-5132	RH				9-3/16"	10	1-1/4"-10	1-1/4"	E-9030	LH	S	E-5140	Eaton 15" ES		E-9031	RH	9-1/4"	7	1-1/4"-10	1-1/4"	E-9699	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9700	RH	9-1/4"	7	1-1/4"-24	1-1/4"	E-5529	LH	S	E-3876	Meritor 15" Q	1-3/4" Head Length	E-5530	RH	9-1/4"	8	1-1/2"-28	1-1/2"	E-9065	LH	S	E-3993B	Meritor 15" Q+		E-9066	RH	9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+		E-11610	RH	9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH					
9-3/16"	10	1-1/4"-10	1-1/4"	E-9030	LH	S	E-5140	Eaton 15" ES																																																																																																																																																																																									
				E-9031	RH				9-1/4"	7	1-1/4"-10	1-1/4"	E-9699	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9700	RH	9-1/4"	7	1-1/4"-24	1-1/4"	E-5529	LH	S	E-3876	Meritor 15" Q	1-3/4" Head Length	E-5530	RH	9-1/4"	8	1-1/2"-28	1-1/2"	E-9065	LH	S	E-3993B	Meritor 15" Q+		E-9066	RH	9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+		E-11610	RH	9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																	
9-1/4"	7	1-1/4"-10	1-1/4"	E-9699	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T																																																																																																																																																																																									
				E-9700	RH				9-1/4"	7	1-1/4"-24	1-1/4"	E-5529	LH	S	E-3876	Meritor 15" Q	1-3/4" Head Length	E-5530	RH	9-1/4"	8	1-1/2"-28	1-1/2"	E-9065	LH	S	E-3993B	Meritor 15" Q+		E-9066	RH	9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+		E-11610	RH	9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																													
9-1/4"	7	1-1/4"-24	1-1/4"	E-5529	LH	S	E-3876	Meritor 15" Q					1-3/4" Head Length																																																																																																																																																																																				
				E-5530	RH				9-1/4"	8	1-1/2"-28	1-1/2"	E-9065	LH	S	E-3993B	Meritor 15" Q+		E-9066	RH	9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+		E-11610	RH	9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																									
9-1/4"	8	1-1/2"-28	1-1/2"	E-9065	LH	S	E-3993B	Meritor 15" Q+																																																																																																																																																																																									
				E-9066	RH				9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+		E-11610	RH	9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																					
9-5/16"	11	1-1/2"-28	1-5/8"	E-11611	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11610	RH				9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11960	RH	9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																	
9-5/16"	11	1-1/2"-28	1-1/2"	E-11961	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11960	RH				9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)	E-9654	RH	9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																													
9-7/16"	11	1-1/2"-28	1-1/2"	E-9653	LH	D	E-3993B	Meritor 16-1/2" Q+					E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)																																																																																																																																																																																				
				E-9654	RH				9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16829	RH	9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																									
9-1/2"	2	1-1/2"-10	1-1/2"	E-16828	LH	T	E-2287	Spicer 16-1/2" XL					Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																				
				E-16829	RH				9-29/64"	8	1-1/2"-28	1-1/2"		E-9067A	LH	S	E-3993B	Meritor 15" Q+		E-9068A	RH	9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																				
9-29/64"	8	1-1/2"-28	1-1/2"	E-9067A	LH	S	E-3993B	Meritor 15" Q+																																																																																																																																																																																									
				E-9068A	RH				9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"		E-5134	RH	9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																																	
9-9/16"	9	1-1/4"-10	1-1/4"	E-5133	LH	S	E-5140	Eaton 15"																																																																																																																																																																																									
				E-5134	RH				9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES		E-9033	RH	9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																																													
9-9/16"	10	1-1/4"-10	1-1/4"	E-9032	LH	S	E-5140	Eaton 15" ES																																																																																																																																																																																									
				E-9033	RH				9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T		E-9702	RH	9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																																																									
9-9/16"	7	1-1/4"-10	1-1/4"	E-9701	LH	S	E-3446(T), E-3876(Q)	Meritor 15" Q, T																																																																																																																																																																																									
				E-9702	RH				9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+		E-11612	RH	9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																																																																					
9-37/64"	11	1-1/2"-28	1-5/8"	E-11613	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11612	RH				9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11528	RH	9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																																																																																	
9-45/64"	11	1-1/2"-28	1-1/2"	E-11529	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11528	RH				9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-16831	RH																																																																																																																																																																													
9-3/4"	2	1-1/2"-10	1-1/2"	E-16830	LH	T	E-2287	Spicer 16-1/2" XL					Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																				
				E-16831	RH																																																																																																																																																																																												

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AXLE = S-Steering; D-Drive; T-Trailer

CAMSHAFTS

Listed by Camshaft Length from under head to beginning of lock ring groove.



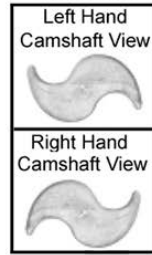
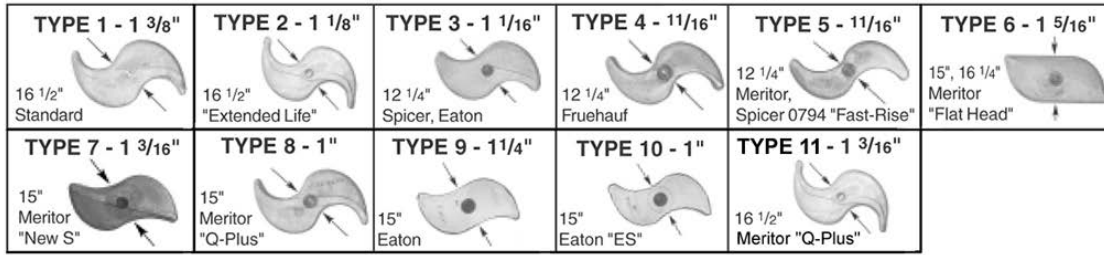
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
9-25/32"	10	1-1/4"-10	1-1/4"	E-9034	LH	S	E-5140	Eaton 15" ES	
				E-9035	RH				
9-3/4"	2	1-1/2"-10	1-1/2"	E-16844	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-16845	RH				
9-3/4"	2	1-1/2"-10	1-1/2"	E-16854	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-16855	RH				
9-13/16"	11	1-1/2"-28	1-1/2"	E-11531	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11530	RH				
9-7/8"	2	1-1/2"-10	1-1/2"	E-16832	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-16833	RH				
9-61/64"	11	1-1/2"-28	1-1/2"	E-11533	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11532	RH				
10-3/32"	11	1-1/2"-28	1-1/2"	E-11535	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11534	RH				
10-5/32"	1	1-1/2"-10	1-1/2"	E-9763	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-9764	RH				
10-3/16"	11	1-1/2"-28	1-1/2"	E-5504A	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-5505A	RH				
10-13/64"	11	1-1/2"-28	1-1/2"	E-11537	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11536	RH				
10-13/32"	11	1-1/2"-28	1-1/2"	E-9655	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9656	RH				
10-1/2"	1	1-1/2"-10	1-1/2"	E-4886	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-4887	RH				
10-33/64"	11	1-1/2"-10	1-1/2"	E-2701B	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-2700B	RH				
10-33/64"	8	1-1/2"-28	1-1/2"	E-11538	LH	S	E-3993B	Meritor 15" Q+	
				E-11539	RH				
10-9/16"	2	1-1/2"-10	1-1/2"	E-9767	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	
				E-9768	RH				
10-19/32"	11	1-1/2"-28	1-1/2"	E-11541	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11540	RH				
10-19/32"	11	1-1/2"-28	1-1/2"	E-11543	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11542	RH				

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 AXLE = S-Steering; D-Drive; T-Trailer

Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*

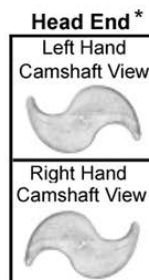
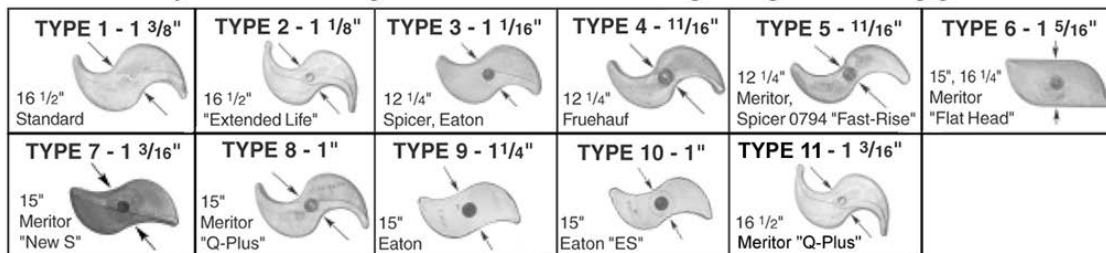


Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
10-45/64"	11	1-1/2"-28	1-1/2"	E-11545	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11544	RH				
10-13/16"	11	1-1/2"-28	1-1/2"	E-11547	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11546	RH				
10-29/32"	9	1-1/4"-10	1-1/4"	E-5062	LH	S	E-5140	Eaton 15"	
				E-5063	RH				
10-15/16"	11	1-1/2"-28	1-1/2"	E-9657	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9658	RH				
11-1/32"	2	1-1/2"-10	1-1/2"	E-11864	LH	T	E-11897, E-11450HD	Hendrickson 16-1/2" INTRAAX®	
				E-11865	RH				
11-1/32"	2	1-1/2"-28	1-1/2"	E-11866	LH	T	E-11897, E-11450HD	Hendrickson 16-1/2" INTRAAX®	
				E-11867	RH				
11-1/32"	1	1-1/2"-28	1-1/2"	E-10899	LH	T	E-9791HD	Hendrickson 16-1/2" INTRAAX®	
				E-10900	RH				
11-1/8"	1	1-1/2"-10	1-1/2"	E-9765	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-9766	RH				
11-1/8"	11	1-1/2"-10	1-1/2"	E-1774C	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-1773C	RH				
11-1/8"	11	1-1/2"-28	1-1/2"	E-9659	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9660	RH				
11-13/64"	11	1-1/2"-28	1-5/8"	E-11619	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11618	RH				
11-3/8"	8	1-1/2"-28	1-1/2"	E-11548	LH	S	E-3993B	Meritor 15" Q+	
				E-11549	RH				
11-1/2"	2	1-1/2"-10	1-1/2"	E-5492	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	Lock Ring End Dia. - 1-1/8"
				E-5493	RH				
11-1/2"	1	1-1/2"-10	1-1/2"	E-1776	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-1775	RH				
11-33/64"	11	1-1/2"-10	1-1/2"	E-1148C	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-1147C	RH				
11-9/16"	11	1-1/2"-28	1-1/2"	E-9661	LH	D	E-9080	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9662	RH				
11-19/32"	8	1-1/2"-28	1-1/2"	E-11550	LH	S	E-3993B	Meritor 15" Q+	
				E-11551	RH				

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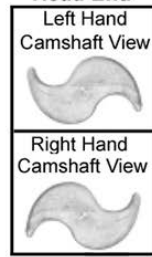
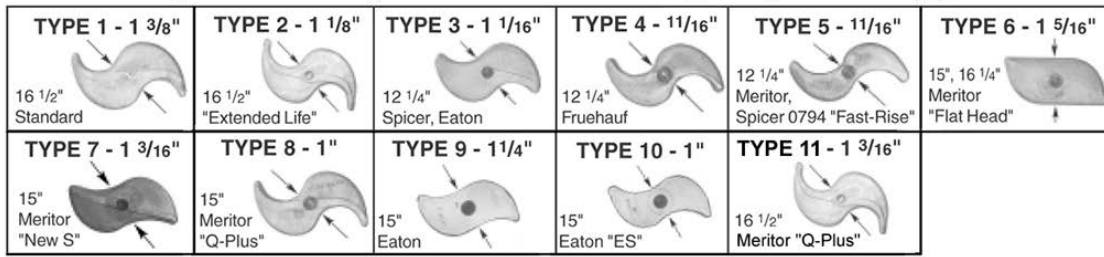
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LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
11-11/16"	11	1-1/2"-10	1-1/2"	E-4703B	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-4702B	RH				
11-11/16"	11	1-1/2"-28	1-1/2"	E-9663	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9664	RH				
11-45/64"	11	1-1/2"-28	1-5/8"	E-11623	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11622	RH				
11-13/16"	11	1-1/2"-28	1-1/2"	E-11553	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11552	RH				
11-15/16"	11	1-1/2"-28	1-1/2"	E-9665	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9666	RH				
11-61/64"	11	1-1/2"-28	1-5/8"	E-11625	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11624	RH				
12-1/16"	1	1-1/2"-10	1-1/2"	E-2715A	LH	D	E-2086B (P), E-3993B (Q)	Meritor 16-1/2" P and Q	Lock Ring End Dia. - 1-1/2"
				E-2714A	RH				
12-13/64"	11	1-1/2"-28	1-1/2"	E-11555	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11554	RH				
12-5/16"	11	1-1/2"-28	1-1/2"	E-11556	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11557	RH				
12-7/16"	1	1-1/2"-10	1-1/2"	E-2787	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-2786	RH				
12-7/16"	11	1-1/2"-28	1-1/2"	E-9667	LH	D	E-3993B	Meritor 16-1/2" Q+	E-5094A (Mack App.), E-9090 (2-1/2" Offset Spider)
				E-9668	RH				
12-29/64"	11	1-1/2"-28	1-1/2"	E-11559	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11558	RH				
12-15/32"	11	1-1/2"-10	1-1/2"	E-4709B	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-4708B	RH				
12-1/2"	2	1-1/2"-10	1-1/2"	E-9769	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES	
				E-9770	RH				
12-13/16"	11	1-1/2"-28	1-1/2"	E-11563	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11562	RH				
12-15/16"	1	1-1/2"-10	1-1/2"	E-4888	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-4889	RH				
12-15/16"	11	1-1/2"-28	1-1/2"	E-9669	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-9670	RH				

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Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*



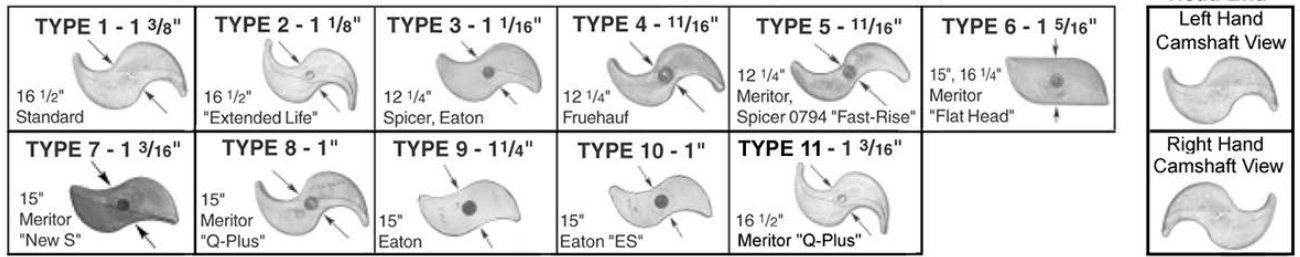
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LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES																																																																																																																																																																																								
12-61/64"	11	1-1/2"-28	1-5/8"	E-11627	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11626	RH					13-3/32"	11	1-1/2"-28	1-1/2"	E-11565	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11564	RH	13-13/64"	11	1-1/2"-28	1-5/8"	E-11629	LH	D	E-11904	Meritor 16-1/2" Q+		E-11628	RH	13-7/32"	11	1-1/2"-28	1-1/2"	E-9671	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9672	RH	13-5/16"	8	1-1/2"-28	1-1/2"	E-11566	LH	S	E-3993B	Meritor 15" Q+		E-11567	RH	13-7/16"	1	1-1/2"-10	1-1/2"	E-4740	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-4741	RH	13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9674A	RH	13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"
13-3/32"	11	1-1/2"-28	1-1/2"	E-11565	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11564	RH					13-13/64"	11	1-1/2"-28	1-5/8"	E-11629	LH	D	E-11904	Meritor 16-1/2" Q+		E-11628	RH	13-7/32"	11	1-1/2"-28	1-1/2"	E-9671	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9672	RH	13-5/16"	8	1-1/2"-28	1-1/2"	E-11566	LH	S	E-3993B	Meritor 15" Q+		E-11567	RH	13-7/16"	1	1-1/2"-10	1-1/2"	E-4740	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-4741	RH	13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9674A	RH	13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH				
13-13/64"	11	1-1/2"-28	1-5/8"	E-11629	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11628	RH					13-7/32"	11	1-1/2"-28	1-1/2"	E-9671	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9672	RH	13-5/16"	8	1-1/2"-28	1-1/2"	E-11566	LH	S	E-3993B	Meritor 15" Q+		E-11567	RH	13-7/16"	1	1-1/2"-10	1-1/2"	E-4740	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-4741	RH	13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9674A	RH	13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																
13-7/32"	11	1-1/2"-28	1-1/2"	E-9671	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-9672	RH					13-5/16"	8	1-1/2"-28	1-1/2"	E-11566	LH	S	E-3993B	Meritor 15" Q+		E-11567	RH	13-7/16"	1	1-1/2"-10	1-1/2"	E-4740	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-4741	RH	13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9674A	RH	13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																												
13-5/16"	8	1-1/2"-28	1-1/2"	E-11566	LH	S	E-3993B	Meritor 15" Q+																																																																																																																																																																																									
				E-11567	RH					13-7/16"	1	1-1/2"-10	1-1/2"	E-4740	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-4741	RH	13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9674A	RH	13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																								
13-7/16"	1	1-1/2"-10	1-1/2"	E-4740	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"																																																																																																																																																																																								
				E-4741	RH					13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9674A	RH	13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																				
13-7/16"	11	1-1/2"-28	1-1/2"	E-9673A	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-9674A	RH					13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+		E-11630	RH	13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																
13-29/64"	11	1-1/2"-28	1-5/8"	E-11631	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11630	RH					13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"	E-10912	RH	13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																												
13-15/32"	2	1-1/2"-10	1-1/2"	E-10911	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"																																																																																																																																																																																								
				E-10912	RH					13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11568	RH	13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																								
13-19/32"	11	1-1/2"-28	1-1/2"	E-11569	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11568	RH					13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9690A	RH	13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																				
13-21/32"	11	1-1/2"-10	1-1/2"	E-9689A	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-9690A	RH					13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+		E-4911A	RH	13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																																
13-45/64"	11	1-1/2"-28	1-1/2"	E-4910A	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-4911A	RH					13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11570	RH	14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																																												
13-13/16"	11	1-1/2"-28	1-1/2"	E-11571	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11570	RH					14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+		E-9676	RH	14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																																																								
14-3/32"	11	1-1/2"-28	1-1/2"	E-9675	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-9676	RH					14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"	E-3524	RH	14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																																																																				
14-1/4"	1	1-1/2"-10	1-1/2"	E-3523	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"																																																																																																																																																																																								
				E-3524	RH					14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES		E-9772	RH	14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																																																																																
14-5/16"	2	1-1/2"-10	1-1/2"	E-9771	LH	D	E-10897	Eaton 15" Reduced Envelope, 16-1/2" ES																																																																																																																																																																																									
				E-9772	RH					14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+		E-11572	RH																																																																																																																																																																												
14-5/16"	11	1-1/2"-28	1-1/2"	E-11573	LH	D	E-3993B	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11572	RH																																																																																																																																																																																												

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AXLE = S-Steering; D-Drive; T-Trailer

CAMSHAFTS

Listed by Camshaft Length from under head to beginning of lock ring groove.



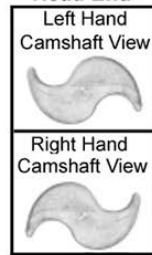
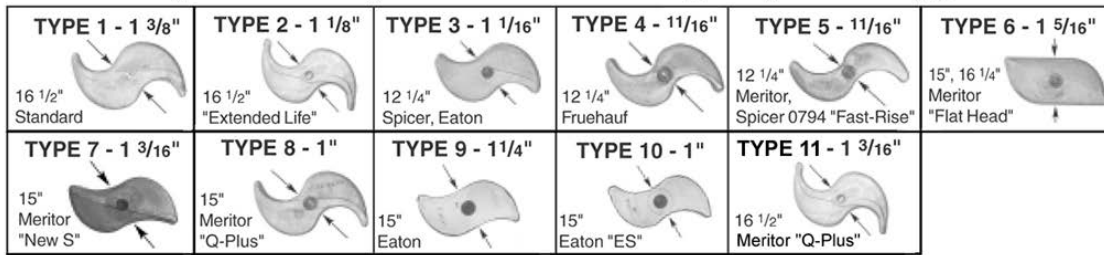
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
14-37/64"	11	1-1/2"-28	1-5/8"	E-11633	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11632	RH				
14-19/32"	11	1-1/2"-28	1-1/2"	E-9677	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-9678	RH				
14-45/64"	11	1-1/2"-28	1-1/2"	E-11575	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11574	RH				
14-3/4"	11	1-1/2"-28	1-1/2"	E-9679	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-9680	RH				
14-7/8"	11	1-1/2"-10	1-1/2"	E-9691A	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-9692A	RH				
14-61/64"	11	1-1/2"-28	1-1/2"	E-11577	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11576	RH				
15"	1	1-1/2"-10	1-1/2"	E-9055	LH	D	E-2125	Eaton 16-1/2"	Lock Ring End Dia. - 1-1/8"
				E-9056	RH				
15-3/32"	11	1-1/2"-28	1-1/2"	E-11579	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11578	RH				
15-3/32"	11	1-1/2"-28	1-1/2"	E-11581	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11580	RH				
15-1/8"	2	1-1/2"-10	1-1/2"	E-10913	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"
				E-10914	RH				
15-3/16"	11	1-1/2"-28	1-1/2"	E-9681	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-9682	RH				
15-1/4"	2	1-1/2"-10	1-1/2"	E-10915	LH	D	E-10897	Eaton 16-1/2" ES	Lock Ring End Dia. - 1-1/8"
				E-10916	RH				
15-5/16"	11	1-1/2"-28	1-1/2"	E-11583	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11582	RH				
15-19/32"	11	1-1/2"-28	1-1/2"	E-10306A	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-10307A	RH				
15-5/8"	11	1-1/2"-10	1-1/2"	E-4711B	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-4710B	RH				
15-45/64"	11	1-1/2"-28	1-5/8"	E-11639	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11638	RH				
15-23/32"	11	1-1/2"-28	1-1/2"	E-9683	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-9684	RH				

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Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*

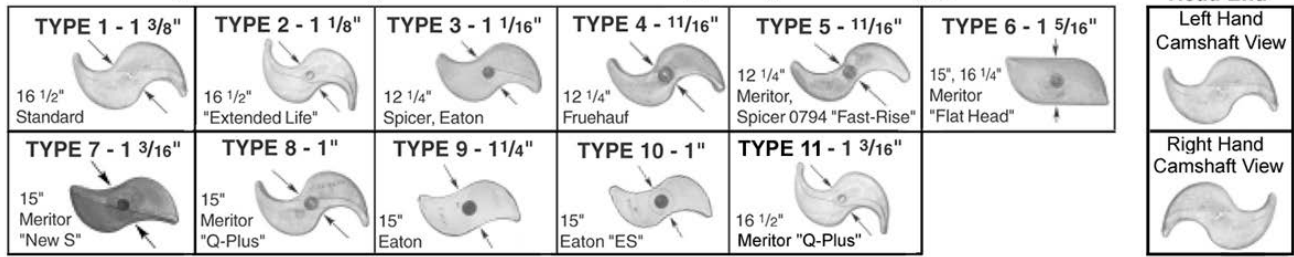


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LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
15-13/16"	11	1-1/2"-28	1-5/8"	E-11641	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11640	RH				
15-13/16"	11	1-1/2"-28	1-1/2"	E-11585	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11584	RH				
15-61/64"	11	1-1/2"-28	1-1/2"	E-11587	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11586	RH				
16-3/32"	11	1-1/2"-28	1-1/2"	E-11589	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11588	RH				
16-1/8"	5	1-1/2"-10	1-1/2"	E-9263	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-9264	RH				
16-1/8"	1	1-1/2"-28	1-5/8"	E-9761	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"	
				E-9762	RH				
16-1/8"	1	1-5/8"-37	1-5/8"	E-1563	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"	
				E-1564	RH				
16-3/8"	4	1-1/2"-28	1-1/2"	E-10917	LH	T	E-2469 (Nylon Bushing)	Dexter 12-1/4"	Single Groove Journal
				E-10918	RH				
16-29/64"	11	1-1/2"-28	1-1/2"	E-11591	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11590	RH				
16-1/2"	1	1-1/2"-10	1-1/2"	E-687	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal
				E-686	RH				
16-19/32"	11	1-1/2"-28	1-1/2"	E-11593	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11592	RH				
16-13/16"	11	1-1/2"-28	1-1/2"	E-11595	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11594	RH				
16-61/64"	11	1-1/2"-28	1-1/2"	E-11597	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11596	RH				
17-3/16"	2	1-1/2"-28	1-1/2"	E-9096	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-9097	RH				
17-5/16"	11	1-1/2"-10	1-5/8"	E-2447A	LH	T	E-3520A, E-3520AHD	Meritor 16-1/2" Q+	
				E-2448A	RH				
17-5/16"	11	1-1/2"-28	1-5/8"	E-2441B	LH	T	E-3520A, E-3520AHD	Meritor 16-1/2" P, Q, Q+	
				E-2442B	RH				
17-5/16"	11	1-1/2"-28	1-5/8"	E-5506	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+	
				E-5507	RH				

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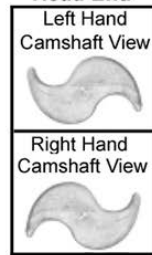
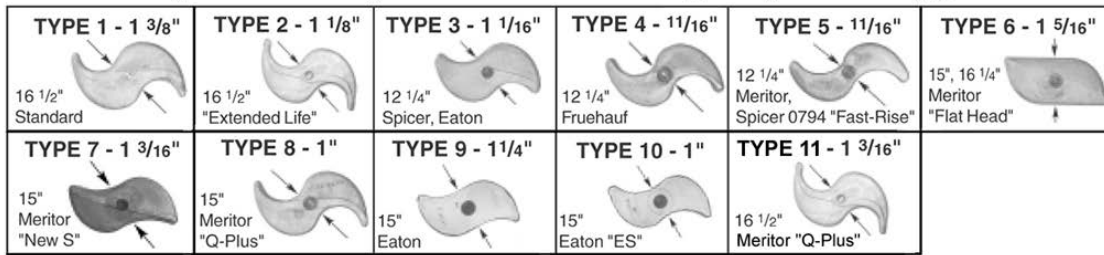
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LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
17-3/8"	1	1-1/2"-10	1-1/2"	E-2795	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal
				E-2794	RH				
17-3/8"	1	1-1/2"-28	1-1/2"	E-9725	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"
				E-9726	RH				
17-7/16"	2	1-1/2"-28	1-1/2"	E-5522	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-5523	RH				
17-7/16"	2	1-1/2"-28	1-5/8"	E-9731	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal - 2-7/32"
				E-9732	RH				
17-29/64"	11	1-1/2"-28	1-1/2"	E-11599	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11598	RH				
17-23/32"	11	1-1/2"-10	1-1/2"	E-4715A	LH	D	E-3993B	Meritor 16-1/2" Q+	See E-4714 & E-4715 for Trailer Cams
				E-4714A	RH				
17-61/64"	11	1-1/2"-28	1-1/2"	E-11601	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11600	RH				
18-3/8"	11	1-1/2"-10	1-1/2"	E-689A	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-688A	RH				
18-3/8"	1	1-1/2"-10	1-1/2"	E-689	LH	T	See Camshaft pages	Multi-App 16-1/2" Q	Single Groove Journal
				E-688	RH				
18-29/64"	11	1-1/2"-28	1-1/2"	E-11603	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11602	RH				
18-29/64"	11	1-1/2"-28	1-5/8"	E-11643	LH	D	E-11904	Meritor 16-1/2" Q+	
				E-11642	RH				
18-19/32"	11	1-1/2"-28	1-1/2"	E-11605	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-11604	RH				
18-5/8"	11	1-1/2"-10	1-1/2"	E-2413A	LH	D	E-3993B	Meritor 16-1/2" Q+	
				E-2412A	RH				
18-5/8"	1	1-1/2"-10	1-1/2"	E-2413	LH	T	See Camshaft pages	Multi-App 16-1/2" Q	Single Groove Journal
				E-2412	RH				
18-7/8"	5	1-1/2"-10	1-1/2"	E-9265	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-9266	RH				
18-7/8"	3	1-1/2"-10	1-1/2"	E-9743	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head
				E-9744	RH				
19-1/2"	2	1-1/2"-10	1-1/2"	E-9739	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-9740	RH				

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Head End*



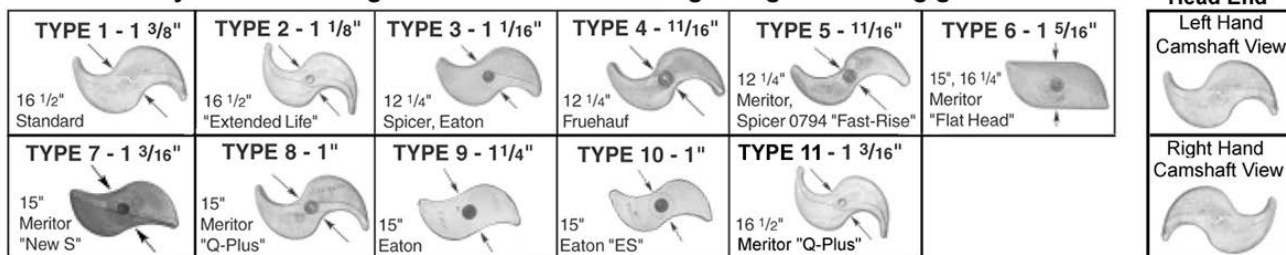
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LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES																																																																																																																																																																																								
19-1/2"	1	1-1/2"-10	1-5/8"	E-2693	LH	T	E-2696A	Eaton 16-1/2"	Trailer Axle																																																																																																																																																																																								
				E-2694	RH					19-1/2"	2	1-1/2"-10	1-5/8"	E-5494	LH	T	E-2696A	Eaton 16-1/2" ES		E-5495	RH	19-1/2"	2	1-1/2"-28	1-5/8"	E-9057	LH	T	E-2696A	Eaton 16-1/2" ES		E-9058	RH	20-7/32"	1	1-1/2"-28	1-5/8"	E-4723	LH	T	E-2696A	Eaton 16-1/2"		E-4722	RH	20-5/16"	3	1-1/2"-10	1-1/2"	E-1394	LH	T	E-2494	Eaton 12-1/4"		E-1393	RH	20-5/16"	4	1-1/2"-28	1-1/2"	E-10919	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10920	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-2108	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"
19-1/2"	2	1-1/2"-10	1-5/8"	E-5494	LH	T	E-2696A	Eaton 16-1/2" ES																																																																																																																																																																																									
				E-5495	RH					19-1/2"	2	1-1/2"-28	1-5/8"	E-9057	LH	T	E-2696A	Eaton 16-1/2" ES		E-9058	RH	20-7/32"	1	1-1/2"-28	1-5/8"	E-4723	LH	T	E-2696A	Eaton 16-1/2"		E-4722	RH	20-5/16"	3	1-1/2"-10	1-1/2"	E-1394	LH	T	E-2494	Eaton 12-1/4"		E-1393	RH	20-5/16"	4	1-1/2"-28	1-1/2"	E-10919	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10920	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-2108	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH				
19-1/2"	2	1-1/2"-28	1-5/8"	E-9057	LH	T	E-2696A	Eaton 16-1/2" ES																																																																																																																																																																																									
				E-9058	RH					20-7/32"	1	1-1/2"-28	1-5/8"	E-4723	LH	T	E-2696A	Eaton 16-1/2"		E-4722	RH	20-5/16"	3	1-1/2"-10	1-1/2"	E-1394	LH	T	E-2494	Eaton 12-1/4"		E-1393	RH	20-5/16"	4	1-1/2"-28	1-1/2"	E-10919	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10920	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-2108	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																
20-7/32"	1	1-1/2"-28	1-5/8"	E-4723	LH	T	E-2696A	Eaton 16-1/2"																																																																																																																																																																																									
				E-4722	RH					20-5/16"	3	1-1/2"-10	1-1/2"	E-1394	LH	T	E-2494	Eaton 12-1/4"		E-1393	RH	20-5/16"	4	1-1/2"-28	1-1/2"	E-10919	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10920	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-2108	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																												
20-5/16"	3	1-1/2"-10	1-1/2"	E-1394	LH	T	E-2494	Eaton 12-1/4"																																																																																																																																																																																									
				E-1393	RH					20-5/16"	4	1-1/2"-28	1-1/2"	E-10919	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10920	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-2108	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																								
20-5/16"	4	1-1/2"-28	1-1/2"	E-10919	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal																																																																																																																																																																																								
				E-10920	RH					20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-2108	RH	20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																				
20-3/8"	1	1-1/2"-10	1-1/2"	E-2107	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal																																																																																																																																																																																								
				E-2108	RH					20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat	E-556	RH	20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																
20-3/8"	1	1-1/2"-10	1-1/2"	E-557	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal, Full Length Heat Treat																																																																																																																																																																																								
				E-556	RH					20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5519	RH	20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																												
20-3/8"	2	1-1/2"-10	1-1/2"	E-5518	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-5519	RH					20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"	E-3855	RH	20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																								
20-3/8"	1	1-1/2"-28	1-1/2"	E-3854	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-3855	RH					20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q		E-3517	RH	20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																				
20-3/8"	5	1-1/2"-28	1-5/8"	E-3516	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q																																																																																																																																																																																									
				E-3517	RH					20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2450A	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																																
20-13/32"	11	1-1/2"-10	1-5/8"	E-2449A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-2450A	RH					20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2444B	RH	20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																																												
20-13/32"	11	1-1/2"-28	1-5/8"	E-2443B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+																																																																																																																																																																																									
				E-2444B	RH					20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5509	RH	20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																																																								
20-13/32"	11	1-1/2"-28	1-5/8"	E-5508	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-5509	RH					20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-1424A	RH	20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																																																																				
20-7/16"	11	1-1/2"-10	1-1/2"	E-1425A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-1424A	RH					20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-5525	RH	20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																																																																																
20-7/16"	2	1-1/2"-28	1-1/2"	E-5524	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-5525	RH					20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal	E-9734	RH																																																																																																																																																																												
20-7/16"	2	1-1/2"-28	1-5/8"	E-9733	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal																																																																																																																																																																																								
				E-9734	RH																																																																																																																																																																																												

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
AXLE = S-Steering; D-Drive; T-Trailer

CAMSHAFTS

Listed by Camshaft Length from under head to beginning of lock ring groove.



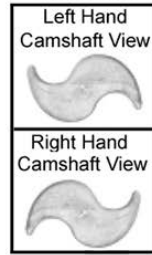
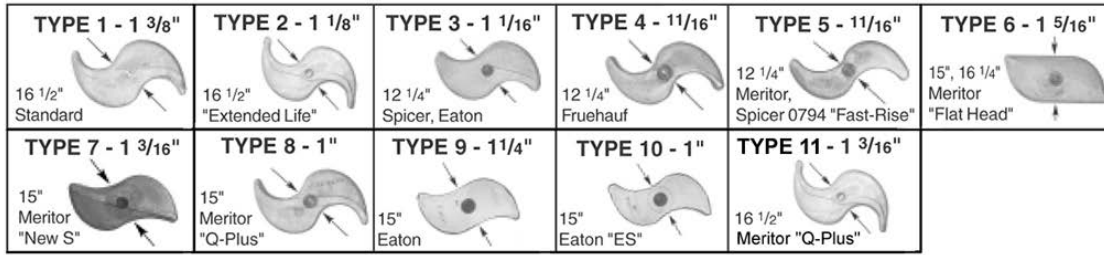
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES																																																																																																																																																																																								
20-1/2"	5	1-1/2"-10	1-1/2"	E-9267	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-9268	RH					20-9/16"	5	1-1/2"-28	1-5/8"	E-10901	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10902	RH	20-61/64"	11	1-1/2"-28	1-5/8"	E-11645	LH	D	E-11904	Meritor 16-1/2" Q+		E-11644	RH	21-3/32"	1	1-1/2"-10	1-1/2"	E-685	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-684	RH	21-1/8"	3	1-1/2"-10	1-1/2"	E-1411	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1410	RH	21-1/8"	5	1-1/2"-28	1-1/2"	E-10921	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10922	RH	21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"		E-2100	RH	21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"
20-9/16"	5	1-1/2"-28	1-5/8"	E-10901	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-10902	RH					20-61/64"	11	1-1/2"-28	1-5/8"	E-11645	LH	D	E-11904	Meritor 16-1/2" Q+		E-11644	RH	21-3/32"	1	1-1/2"-10	1-1/2"	E-685	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-684	RH	21-1/8"	3	1-1/2"-10	1-1/2"	E-1411	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1410	RH	21-1/8"	5	1-1/2"-28	1-1/2"	E-10921	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10922	RH	21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"		E-2100	RH	21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH				
20-61/64"	11	1-1/2"-28	1-5/8"	E-11645	LH	D	E-11904	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-11644	RH					21-3/32"	1	1-1/2"-10	1-1/2"	E-685	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-684	RH	21-1/8"	3	1-1/2"-10	1-1/2"	E-1411	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1410	RH	21-1/8"	5	1-1/2"-28	1-1/2"	E-10921	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10922	RH	21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"		E-2100	RH	21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																
21-3/32"	1	1-1/2"-10	1-1/2"	E-685	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal																																																																																																																																																																																								
				E-684	RH					21-1/8"	3	1-1/2"-10	1-1/2"	E-1411	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1410	RH	21-1/8"	5	1-1/2"-28	1-1/2"	E-10921	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10922	RH	21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"		E-2100	RH	21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																												
21-1/8"	3	1-1/2"-10	1-1/2"	E-1411	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head																																																																																																																																																																																								
				E-1410	RH					21-1/8"	5	1-1/2"-28	1-1/2"	E-10921	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10922	RH	21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"		E-2100	RH	21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																								
21-1/8"	5	1-1/2"-28	1-1/2"	E-10921	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal																																																																																																																																																																																								
				E-10922	RH					21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"		E-2100	RH	21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																				
21-1/8"	1	1-5/8"-37	1-5/8"	E-2099	LH	T	E-2090 (Late Model), E-2122 (Early Model)	Fruehauf 16-1/2"																																																																																																																																																																																									
				E-2100	RH					21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)	E-4891	RH	21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																
21-3/16"	4	1-5/8"-37	1-5/8"	E-4890	LH	T	E-2090 (Late Model)	Fruehauf 12-1/4"	E-2122 Kit (Early Model)																																																																																																																																																																																								
				E-4891	RH					21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9270	RH	21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																												
21-1/4"	5	1-1/2"-10	1-1/2"	E-9269	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-9270	RH					21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9756	RH	21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																								
21-5/16"	5	1-1/2"-28	1-1/2"	E-9755	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-9756	RH					21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10904	RH	22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																				
21-5/16"	5	1-1/2"-28	1-5/8"	E-10903	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-10904	RH					22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal	E-690	RH	22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																																
22-1/16"	1	1-1/2"-10	1-1/2"	E-691	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal																																																																																																																																																																																								
				E-690	RH					22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-9758	RH	22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																																												
22-1/16"	5	1-1/2"-28	1-1/2"	E-9757	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-9758	RH					22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"		E-2492	RH	22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																																																								
22-5/16"	3	1-1/2"-10	1-1/2"	E-2493	LH	T	E-2494	Eaton 12-1/4"																																																																																																																																																																																									
				E-2492	RH					22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal	E-10924	RH	22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																																																																				
22-5/16"	4	1-1/2"-28	1-1/2"	E-10923	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal																																																																																																																																																																																								
				E-10924	RH					22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-9090	RH	22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																																																																																
22-3/8"	1	1-1/2"-10	1-1/2"	E-9089	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal																																																																																																																																																																																								
				E-9090	RH					22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL		E-11857	RH																																																																																																																																																																												
22-5/8"	2	1-1/2"-28	1-5/8"	E-11856	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL																																																																																																																																																																																									
				E-11857	RH																																																																																																																																																																																												

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
AXLE = S-Steering; D-Drive; T-Trailer

Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*

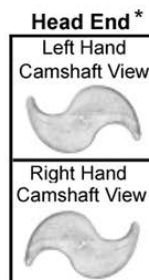
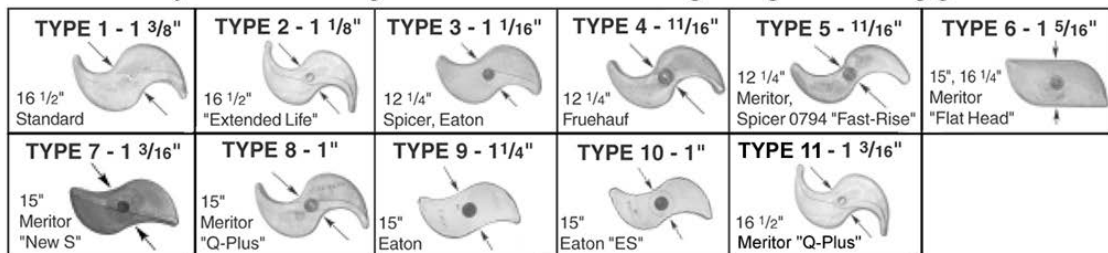


Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
22-7/8"	1	1-1/2"-10	1-1/2"	E-4884	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal
				E-4885	RH				
22-7/8"	2	1-1/2"-10	1-1/2"	E-6101	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-6102	RH				
22-7/8"	1	1-1/2"-28	1-1/2"	E-6884	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"
				E-6885	RH				
22-7/8"	2	1-1/2"-28	1-5/8"	E-11858	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	
				E-11859	RH				
22-15/16"	2	1-1/2"-28	1-1/2"	E-9098	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-9099	RH				
23-1/8"	5	1-1/2"-10	1-1/2"	E-9273	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-9274	RH				
23-3/16"	5	1-1/2"-28	1-1/2"	E-9759	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-9760	RH				
23-3/16"	5	1-1/2"-28	1-5/8"	E-10905	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-10906	RH				
23-7/32"	5	1-1/2"-28	1-5/8"	E-9087	LH	T	E-3520AHD, E-3989AHD	Meritor 12-1/4" P and Q	
				E-9088	RH				
23-1/4"	3	1-1/2"-10	1-1/2"	E-1423	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head
				E-1422	RH				
23-3/8"	4	1-1/2"-28	1-1/2"	E-10925	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal
				E-10926	RH				
23-3/8"	8	1-1/2"-28	1-5/8"	E-11958	LH	T		Meritor 15" Q+	
				E-11959	RH				
23-7/16"	1	1-1/2"-10	1-1/2"	E-1095	LH	T	See Camshaft pages	Multi-App 16-1/2"	Double Groove Journal
				E-1094	RH				
23-7/16"	1	1-1/2"-28	1-1/2"	E-3856	LH	T	E-2287	Spicer 16-1/2"	Double Groove Journal - 1-5/8", 2-7/32"
				E-3857	RH				
23-1/2"	5	1-1/2"-10	1-1/2"	E-9275	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-9276	RH				
23-1/2"	2	1-1/2"-10	1-1/2"	E-5520	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-5521	RH				
23-9/16"	2	1-1/2"-28	1-1/2"	E-5526	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-5527	RH				

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
AXLE = S-Steering; D-Drive; T-Trailer

Listed by Camshaft Length from under head to beginning of lock ring groove.



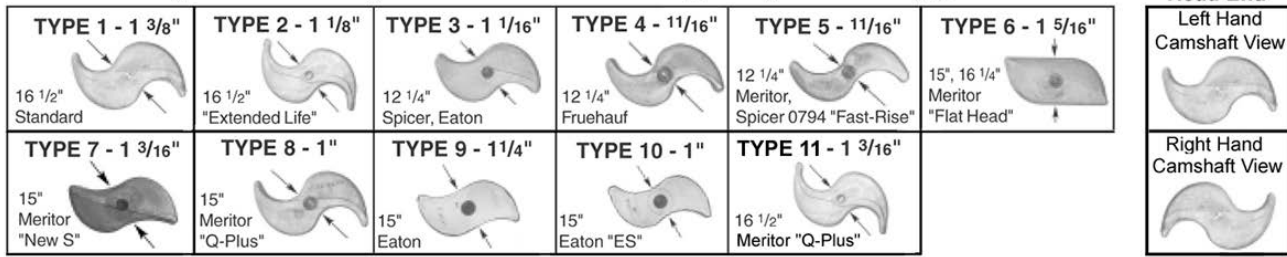
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES																																																																																																																																																																																								
23-9/16"	2	1-1/2"-28	1-5/8"	E-9735	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal - 2-7/32"																																																																																																																																																																																								
				E-9736	RH					23-3/4"	1	1-1/2"-10	1-5/8"	E-4721	LH	T	E-2696A	Eaton 16-1/2"	Trailer Axle	E-4720	RH	23-3/4"	2	1-1/2"-10	1-5/8"	E-5496	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle	E-5497	RH	23-3/4"	2	1-1/2"-28	1-5/8"	E-9059	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle	E-9060	RH	23-7/8"	3	1-1/2"-10	1-1/2"	E-1421	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1420	RH	23-7/8"	1	1-5/8"-37	1-5/8"	E-3861	LH	T	E-2090 (Late Model)	Fruehauf 16-1/2"	E-2122 Kit (Early Model)	E-3862	RH	23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10908	RH	24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"
23-3/4"	1	1-1/2"-10	1-5/8"	E-4721	LH	T	E-2696A	Eaton 16-1/2"	Trailer Axle																																																																																																																																																																																								
				E-4720	RH					23-3/4"	2	1-1/2"-10	1-5/8"	E-5496	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle	E-5497	RH	23-3/4"	2	1-1/2"-28	1-5/8"	E-9059	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle	E-9060	RH	23-7/8"	3	1-1/2"-10	1-1/2"	E-1421	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1420	RH	23-7/8"	1	1-5/8"-37	1-5/8"	E-3861	LH	T	E-2090 (Late Model)	Fruehauf 16-1/2"	E-2122 Kit (Early Model)	E-3862	RH	23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10908	RH	24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH				
23-3/4"	2	1-1/2"-10	1-5/8"	E-5496	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle																																																																																																																																																																																								
				E-5497	RH					23-3/4"	2	1-1/2"-28	1-5/8"	E-9059	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle	E-9060	RH	23-7/8"	3	1-1/2"-10	1-1/2"	E-1421	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1420	RH	23-7/8"	1	1-5/8"-37	1-5/8"	E-3861	LH	T	E-2090 (Late Model)	Fruehauf 16-1/2"	E-2122 Kit (Early Model)	E-3862	RH	23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10908	RH	24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																
23-3/4"	2	1-1/2"-28	1-5/8"	E-9059	LH	T	E-2696A	Eaton 16-1/2" ES	Trailer Axle																																																																																																																																																																																								
				E-9060	RH					23-7/8"	3	1-1/2"-10	1-1/2"	E-1421	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-1420	RH	23-7/8"	1	1-5/8"-37	1-5/8"	E-3861	LH	T	E-2090 (Late Model)	Fruehauf 16-1/2"	E-2122 Kit (Early Model)	E-3862	RH	23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10908	RH	24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																												
23-7/8"	3	1-1/2"-10	1-1/2"	E-1421	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head																																																																																																																																																																																								
				E-1420	RH					23-7/8"	1	1-5/8"-37	1-5/8"	E-3861	LH	T	E-2090 (Late Model)	Fruehauf 16-1/2"	E-2122 Kit (Early Model)	E-3862	RH	23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10908	RH	24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																								
23-7/8"	1	1-5/8"-37	1-5/8"	E-3861	LH	T	E-2090 (Late Model)	Fruehauf 16-1/2"	E-2122 Kit (Early Model)																																																																																																																																																																																								
				E-3862	RH					23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"	E-10908	RH	24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																				
23-15/16"	5	1-1/2"-28	1-5/8"	E-10907	LH	T	E-9790A	Spicer 12-1/4"	0794L/R Head "FAST-RISE"																																																																																																																																																																																								
				E-10908	RH					24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-4716	RH	24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																
24"	1	1-1/2"-10	1-1/2"	E-4717	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal																																																																																																																																																																																								
				E-4716	RH					24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9728	RH	24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																												
24"	2	1-1/2"-10	1-1/2"	E-9727	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-9728	RH					24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+		E-2452A	RH	24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																								
24-1/16"	11	1-1/2"-10	1-5/8"	E-2451A	LH	T	See Camshaft pages	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-2452A	RH					24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-9101	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																				
24-1/16"	2	1-1/2"-28	1-1/2"	E-9100	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-9101	RH					24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+		E-5511	RH	24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																																
24-1/16"	11	1-1/2"-28	1-5/8"	E-5510	LH	T	E-9078HD (Press-In Bushing), E-9079HD (Bolt-On Bushing)	Meritor 16-1/2" Q+																																																																																																																																																																																									
				E-5511	RH					24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+		E-2446B	RH	24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																																												
24-1/16"	11	1-1/2"-28	1-5/8"	E-2445B	LH	T	See Camshaft pages	Meritor 16-1/2" P, Q, Q+																																																																																																																																																																																									
				E-2446B	RH					24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"	E-10910	RH	24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																																																								
24-1/8"	2	1-1/2"-28	1-5/8"	E-10909	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal 2-7/32"																																																																																																																																																																																								
				E-10910	RH					24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal	E-2796	RH	24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																																																																				
24-3/8"	1	1-1/2"-10	1-1/2"	E-2797	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal																																																																																																																																																																																								
				E-2796	RH					24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"	E-6104	RH	24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																																																																																
24-3/8"	2	1-1/2"-10	1-1/2"	E-6103	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"																																																																																																																																																																																								
				E-6104	RH					24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head	E-2792	RH																																																																																																																																																																												
24-5/8"	3	1-1/2"-10	1-1/2"	E-2793	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head																																																																																																																																																																																								
				E-2792	RH																																																																																																																																																																																												

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
AXLE = S-Steering; D-Drive; T-Trailer

Listed by Camshaft Length from under head to beginning of lock ring groove.

Head End*



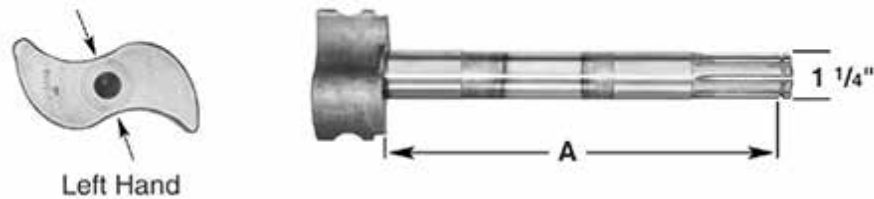
Camshaft Head photos are for identification purposes only — Actual camshaft head may vary slightly in dimension or appearance.

LENGTH	HEAD TYPE	SPLINE	JRNL. DIA.	EUCLID NO.	HEAD END*	AXLE	CAMSHAFT KIT	MFR./BRAKE SIZE	NOTES
24-5/8"	4	1-1/2"-28	1-1/2"	E-10927	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal
				E-10928	RH				
25-3/4"	1	1-1/2"-10	1-1/2"	E-4719	LH	T	See Camshaft pages	Multi-App 16-1/2"	Single Groove Journal
				E-4718	RH				
26-1/4"	5	1-1/2"-10	1-1/2"	E-9279	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	0794L/R Head "FAST-RISE"
				E-9280	RH				
26-1/4"	1	1-1/2"-10	1-1/2"	E-7217	LH	T	E-2287	Spicer 16-1/2"	Single Groove Journal - 2-7/32"
				E-7218	RH				
26-1/4"	2	1-1/2"-10	1-1/2"	E-9741	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-9742	RH				
26-1/4"	2	1-1/2"-28	1-5/8"	E-11860	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	
				E-11861	RH				
26-1/2"	3	1-1/2"-10	1-1/2"	E-9747	LH	T	E-2469 (Nylon Bushing)	Spicer 12-1/4"	Standard Head
				E-9748	RH				
26-1/2"	1	1-1/2"-10	1-1/2"	E-7219	LH	T	E-2287	Spicer 16-1/2"	Single Groove Journal - 2-7/32"
				E-7220	RH				
26-1/2"	4	1-1/2"-28	1-1/2"	E-10929	LH	T	E-2469	Dexter 12-1/4"	Single Groove Journal
				E-10930	RH				
26-15/16"	2	1-1/2"-28	1-1/2"	E-9729	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-9730	RH				
26-15/16"	2	1-1/2"-28	1-5/8"	E-9737	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	Single Groove Journal - 2-7/32"
				E-9738	RH				
28-3/8"	2	1-1/2"-10	1-1/2"	E-16824	LH	T	E-2287	Spicer 16-1/2" XL	Double Groove Journal - 1-5/8", 2-7/32"
				E-16825	RH				
30-1/4"	2	1-1/2"-28	1-5/8"	E-11862	LH	T	E-11910, E-9790A	Spicer 16-1/2" XL	
				E-11863	RH				

*Left or Right Hand description refers to the rotation of the Camshaft Head. This description does not always match the position of the Camshaft on the axle.
 AXLE = S-Steering; D-Drive; T-Trailer

FOR EATON STEERING AXLES WITH 15" SINGLE ANCHOR PIN BRAKES

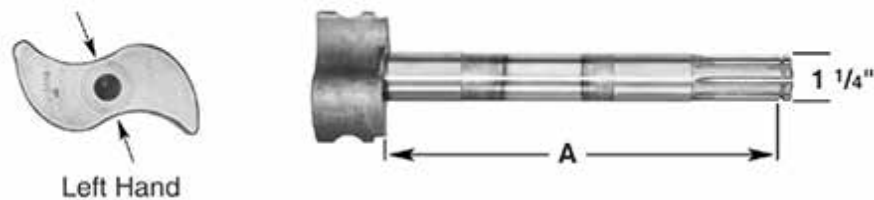
1 1/4" Dia. - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-5060	LH	1-1/4"	8-9/16"	E-5140	E-5139	
E-5061	RH					
E-5131	LH	1-1/4"	9-3/16"	E-5140	E-5139	
E-5132	RH					
E-5133	LH	1-1/4"	9-9/16"	E-5140	E-5139	
E-5134	RH					
E-5062	LH	1-1/4"	10-29/32"	E-5140	E-5139	
E-5063	RH					

FOR EATON STEERING AXLES WITH 15" ES EXTENDED SERVICE BRAKES

1 1/4" Dia. - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9030	LH	1"	9-3/16"	E-5140	E-5139	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-9031	RH					
E-9032	LH	1"	9-9/16"	E-5140	E-5139	
E-9033	RH					
E-9034	LH	1"	9-25/32"	E-5140	E-5139	
E-9035	RH					

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

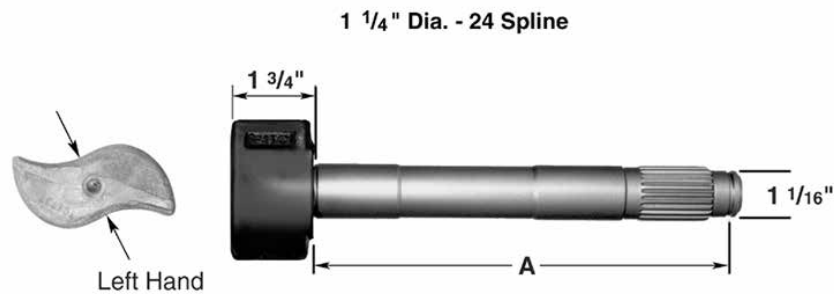
BRAKE CAMSHAFTS — STEERING AXLE

FOR MERITOR STEERING AXLES WITH 15" T AND Q BRAKE - NEW STYLE "S"



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9697	LH	1-3/16"	8-1/2"	E-3446 (T) E-3876 (Q)	E-4691 (T) E-3869 (Q)	These cams can replace old style "flat" head cams in pairs.
E-9698	RH					
E-9699	LH	1-3/16"	9-1/4"	E-3446 (T) E-3876 (Q)	E-4691 (T) E-3869 (Q)	
E-9700	RH					
E-9701	LH	1-3/16"	9-9/16"	E-3446 (T) E-3876 (Q)	E-4691 (T) E-3869 (Q)	
E-9702	RH					

FOR MERITOR STEERING AXLES WITH 15" Q BRAKES - 1-1/2" OFFSET BACKING PLATE

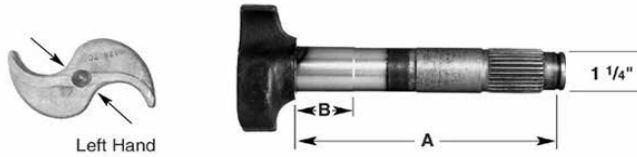


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9707	LH	1-3/16"	8-1/2"	E-3876	E-3869	
E-9708	RH					
E-5529	LH	1-3/16"	9-1/4"	E-3876	E-3869	
E-5530	RH					

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR STEERING AXLES WITH 15" Q+ BRAKES

1 1/2" Dia. - 28 Spline



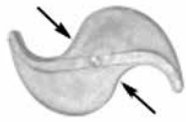
EUCLID NO.	HEAD TYPE	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11520	LH	1"	8-29/64"	2"	E-3993B	E-9064	
E-11521	RH						
E-11522	LH	1"	8-45/64"	2"	E-3993B	E-9064	
E-11523	RH						
E-11968	LH	1"	8-45/64"	2"	E-11904	E-9064	LX/MX 500 Series with 1-5/8" Journal
E-11969	RH						
E-9065	LH	1"	9-1/4"	2"	E-3993B	E-9064	
E-9066	RH						
E-9067A	LH	1"	9-29/64"	2"	E-3993B	E-9064	
E-9068A	RH						
E-11538	LH	1"	10-33/64"	2"	E-3993B	E-9064	
E-11539	RH						
E-11548	LH	1"	11-3/8"	2"	E-3993B	E-9064	
E-11549	RH						
E-11550	LH	1"	11-19/32"	2"	E-3993B	E-9064	
E-11551	RH						
E-11566	LH	1"	13-5/16"	2"	E-3993B	E-9064	
E-11567	RH						

CAMSHAFTS

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR EATON DRIVE AXLE

1 1/2" Dia. - 10 Spline



Left Hand



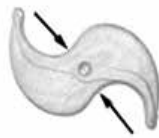
CAMSHAFTS

EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-2800	LH	1-3/8"	8-9/16"	E-2125	E-1887AHD	<p>Extended service camshafts CAN be used in place of standard camshafts.</p> <p>Standard camshafts CANNOT be used in place of extended service camshafts when using extended service shoes and/or linings.</p> <p>Extended service camshafts are .060 longer than their standard counterpart to allow for a special washer under the head.</p>
E-2799	RH					
E-5490	LH	1-1/8"	8-5/8"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-5491	RH					
E-9763	LH	1-3/8"	10-5/32"	E-2125	E-1887AHD	
E-9764	RH					
E-9767	LH	1-1/8"	10-9/16"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-9768	RH					
E-9765	LH	1-3/8"	11-1/8"	E-2125	E-1887AHD	
E-9766	RH					
E-1776	LH	1-1/8"	11-1/2"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-1775	RH					
E-5492	LH	1-3/8"	11-1/2"	E-2125	E-1887AHD	
E-5493	RH					
E-2787	LH	1-1/8"	12-7/16"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-2786	RH					
E-9769	LH	1-3/8"	12-1/2"	E-2125	E-1887AHD	
E-9770	RH					
E-4888	LH	1-1/8"	12-15/16"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-4889	RH					
E-4740	LH	1-3/8"	13-7/16"	E-2125	E-1887AHD	
E-4741	RH					
E-10911	LH	1-1/8"	13-15/32"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-10912	RH					
E-3523	LH	1-3/8"	14-1/4"	E-2125	E-1887AHD	
E-3524	RH					
E-9771	LH	1-1/8"	14-5/16"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-9772	RH					
E-9055	LH	1-3/8"	15"	E-2125	E-1887AHD	
E-9056	RH					
E-10913	LH	1-1/8"	15-1/8"	E-10897 (ES)	E-5481A (ES) E-10244 Drive (ES II) E-10760 Steer (ES II)	
E-10914	RH					
E-10915	LH	1-3/8"	15-1/4"	E-2125	E-1887AHD	
E-10916	RH					

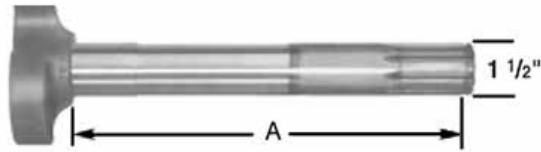
All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR DRIVE AXLES WITH 16-1/2 IN. Q+™ BRAKES

1 1/2" Dia. - 10 Spline



"Q" Plus



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-4705B	LH	1-3/16"	6-13/32"	E-3993B	E-2769HD	For Mack Trucks using Meritor 38,000 and 44,000 lb. axles.
E-4704B	RH					
E-4707B	LH	1-3/16"	7-29/32"	E-3993B	E-2769HD	
E-4706B	RH					
E-2479B	LH	1-3/16"	8-35/64"	E-3993B	E-2769HD	
E-2478B	RH					
E-9687A	LH	1-3/16"	9-1/16"	E-3993B	E-2769HD	
E-9688A	RH					
E-2701B	LH	1-3/16"	10-33/64"	E-3993B	E-2769HD	
E-2700B	RH					
E-1774C	LH	1-3/16"	11-1/8"	E-3993B	E-2769HD	
E-1773C	RH					
E-1148C	LH	1-3/16"	11-33/64"	E-3993B	E-2769HD	Improved heat treating through the Cam Bushing area for longer life.
E-1147C	RH					
E-4703B	LH	1-3/16"	11-11/16"	E-3993B	E-2769HD	
E-4702B	RH					
E-4709B	LH	1-3/16"	12-15/32"	E-3993B	E-2769HD	
E-4708B	RH					
E-9689A	LH	1-3/16"	13-21/32"	E-3993B	E-2769HD	
E-9690A	RH					
E-9691A	LH	1-3/16"	14-7/8"	E-3993B	E-2769HD	
E-9692A	RH					
E-4711B	LH	1-3/16"	15-5/8"	E-3993B	E-2769HD	
E-4710B	RH					
E-4715A	LH	1-3/16"	17-23/32"	E-3993B	E-2769HD	
E-4714A	RH					
E-689A	LH	1-3/16"	18-3/8"	E-3993B	E-2769HD	
E-688A	RH					
E-2413A	LH	1-3/16"	18-5/8"	E-3993B	E-2769HD	
E-2412A	RH					

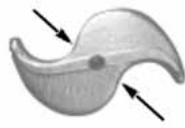
Extended service camshafts CAN be used in place of standard camshafts.

Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.

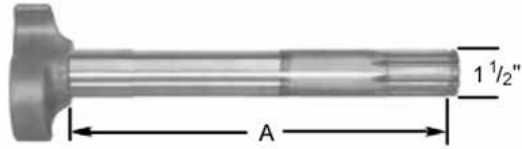
All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR DRIVE AXLES WITH 16-1/2" STANDARD BRAKES

1 1/2" Dia. - 10 Spline



Left Hand



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-2715A	LH	1-3/8"	12-1/16"	E-2086B (P)	KIT-4HD (P)	
E-2714A	RH			E-3993B (Q)	E-2769HD (Q)	

Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR DRIVE AXLES WITH 16-1/2" Q+ BRAKES

1 1/2" Dia. - 28 Spline



CAMSHAFTS

EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11513	LH	1-1/4"	6-13/64"	E-3993B	E-2769HD	
E-11512	RH					
E-11515	LH	1-1/4"	7-3/32"	E-3993B	E-2769HD	
E-11514	RH					
E-9645	LH	1-1/4"	7-23/32"	E-3993B	E-2769HD	
E-9646	RH					
E-9647	LH	1-1/4"	8-1/16"	E-3993B	E-2769HD	
E-9648	RH					
E-11517	LH	1-1/4"	8-13/64"	E-3993B	E-2769HD	
E-11516	RH					
E-11519	LH	1-1/4"	8-5/16"	E-3993B	E-2769HD	
E-11518	RH					
E-9649	LH	1-1/4"	8-9/16"	E-3993B	E-2769HD	
E-9650	RH					
E-11609	LH	1-1/4"	8-37/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11608	RH					
E-11525	LH	1-1/4"	8-45/64"	E-3993B	E-2769HD	
E-11524	RH					
E-9651	LH	1-1/4"	9-1/16"	E-9080	E-2769HD	Tractor, Transit, Truck
E-9652	RH					
E-11611	LH	1-1/4"	9-5/16"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11610	RH					
E-11961	LH	1-1/4"	9-7/16"	E-3993B	E-2769HD	
E-11960	RH					
E-9653	LH	1-1/4"	9-7/16"	E-9080	E-2769HD	Tractor, Transit, Truck
E-9654	RH					
E-11613	LH	1-1/4"	9-37/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11612	RH					
E-11529	LH	1-1/4"	9-45/64"	E-3993B	E-2769HD	
E-11528	RH					
E-11531	LH	1-1/4"	9-13/16"	E-3993B	E-2769HD	
E-11530	RH					
E-11533	LH	1-1/4"	9-61/64"	E-3993B	E-2769HD	
E-11532	RH					
E-11535	LH	1-1/4"	10-3/32"	E-3993B	E-2769HD	
E-11534	RH					
E-5504A	LH	1-1/4"	10-3/16"	E-9080	E-2769HD	Trucks and Tractors
E-5505A	RH					

Extended service camshafts CAN be used in place of standard camshafts.

Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR DRIVE AXLES WITH 16-1/2" Q+ BRAKES

1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11537	LH	1-3/16"	10-13/64"	E-3993B	E-2769HD	
E-11536	RH					
E-9655	LH	1-3/16"	10-13/32"	E-3993B	E-2769HD	
E-9656	RH					
E-11541	LH	1-3/16"	10-19/32"	E-3993B	E-2769HD	
E-11540	RH					
E-11543	LH	1-3/16"	10-19/32"	E-3993B	E-2769HD	Induction hardened body.
E-11542	RH					
E-11545	LH	1-3/16"	10-45/64"	E-3993B	E-2769HD	
E-11544	RH					
E-11547	LH	1-3/16"	10-13/16"	E-3993B	E-2769HD	
E-11546	RH					
E-9657	LH	1-3/16"	10-15/16"	E-3993B	E-2769HD	
E-9658	RH					
E-9659	LH	1-3/16"	11-1/8"	E-3993B	E-2769HD	
E-9660	RH					
E-11619	LH	1-3/16"	11-13/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11618	RH					
E-9661	LH	1-3/16"	11-9/16"	E-3993B	E-2769HD	
E-9662	RH					
E-9663	LH	1-3/16"	11-11/16"	E-3993B	E-2769HD	
E-9664	RH					
E-11623	LH	1-3/16"	11-45/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11622	RH					
E-11553	LH	1-3/16"	11-13/16"	E-3993B	E-2769HD	
E-11552	RH					
E-9665	LH	1-3/16"	11-15/16"	E-3993B	E-2769HD	
E-9666	RH					
E-11625	LH	1-3/16"	11-61/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11624	RH					
E-11555	LH	1-3/16"	12-13/64"	E-3993B	E-2769HD	
E-11554	RH					
E-11557	LH	1-3/16"	12-5/16"	E-3993B	E-2769HD	
E-11556	RH					
E-9667	LH	1-3/16"	12-7/16"	E-3993B	E-2769HD	
E-9668	RH					
E-11559	LH	1-3/16"	12-29/64"	E-3993B	E-2769HD	Induction hardened body.
E-11558	RH					

Extended service camshafts CAN be used in place of standard camshafts.
 Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.
 All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

CAMSHAFTS

FOR MERITOR DRIVE AXLES WITH 16-1/2" Q+ BRAKES

1 1/2" Dia. - 28 Spline



CAMSHAFTS

EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11563	LH	1-3/16"	12-13/16"	E-3993B	E-2769HD	
E-11562	RH					
E-9669	LH	1-3/16"	12-15/16"	E-3993B	E-2769HD	
E-9670	RH					
E-11627	LH	1-3/16"	12-61/64"	E-3993B	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11626	RH					
E-11565	LH	1-3/16"	13-3/32"	E-3993B	E-2769HD	
E-11564	RH					
E-11629	LH	1-3/16"	13-13/64"	E-3993B	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11628	RH					
E-9671	LH	1-3/16"	13-7/32"	E-3993B	E-2769HD	
E-9672	RH					
E-9673A	LH	1-3/16"	13-7/16"	E-9080	E-2769HD	Heat Treated Body
E-9674A	RH					
E-11631	LH	1-3/16"	13-29/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11630	RH					
E-11569	LH	1-3/16"	13-19/32"	E-3993B	E-2769HD	
E-11568	RH					
E-4910A	LH	1-3/16"	13-45/64"	E-3993B	E-2769HD	
E-4911A	RH					
E-11571	LH	1-3/16"	13-13/16"	E-3993B	E-2769HD	
E-11570	RH					
E-9675	LH	1-3/16"	14-3/32"	E-3993B	E-2769HD	
E-9676	RH					
E-11573	LH	1-3/16"	14-5/16"	E-3993B	E-2769HD	
E-11572	RH					
E-11633	LH	1-3/16"	14-37/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11632	RH					
E-9677	LH	1-3/16"	14-19/32"	E-3993B	E-2769HD	
E-9678	RH					
E-11575	LH	1-3/16"	14-45/64"	E-3993B	E-2769HD	
E-11574	RH					
E-9679	LH	1-3/16"	14-3/4"	E-3993B	E-2769HD	
E-9680	RH					
E-11577	LH	1-3/16"	14-61/64"	E-3993B	E-2769HD	
E-11576	RH					
E-11579	LH	1-3/16"	15-3/32"	E-3993B	E-2769HD	
E-11578	RH					

Extended service camshafts CAN be used in place of standard camshafts.

Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR DRIVE AXLES WITH 16-1/2" Q+ BRAKES

1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11581	LH	1-3/16"	15-3/32"	E-3993B	E-2769HD	Induction hardened body.
E-11580	RH					
E-9681	LH	1-3/16"	15-3/16"	E-3993B	E-2769HD	
E-9682	RH					
E-11583	LH	1-3/16"	15-5/16"	E-3993B	E-2769HD	
E-11582	RH					
E-10306A	LH	1-3/16"	15-19/32"	E-3993B	E-2769HD	
E-10307A	RH					
E-11639	LH	1-3/16"	15-45/64"	E-3993B	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11638	RH					
E-9683	LH	1-3/16"	15-23/32"	E-3993B	E-2769HD	Tractor, Transit, Truck
E-9684	RH					
E-11641	LH	1-3/16"	15-13/16"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11640	RH					
E-11585	LH	1-3/16"	15-13/16"	E-3993B	E-2769HD	
E-11584	RH					
E-11587	LH	1-3/16"	15-61/64"	E-3993B	E-2769HD	
E-11586	RH					
E-11589	LH	1-3/16"	16-3/32"	E-3993B	E-2769HD	
E-11588	RH					
E-11591	LH	1-3/16"	16-29/64"	E-3993B	E-2769HD	
E-11590	RH					
E-11593	LH	1-3/16"	16-19/32"	E-3993B	E-2769HD	
E-11592	RH					
E-11595	LH	1-3/16"	16-13/16"	E-3993B	E-2769HD	
E-11594	RH					
E-11597	LH	1-3/16"	16-61/64"	E-3993B	E-2769HD	
E-11596	RH					
E-11599	LH	1-3/16"	17-29/64"	E-3993B	E-2769HD	
E-11598	RH					
E-11601	LH	1-3/16"	17-61/64"	E-3993B	E-2769HD	
E-11600	RH					
E-11603	LH	1-3/16"	18-29/64"	E-3993B	E-2769HD	
E-11602	RH					
E-11643	LH	1-3/16"	18-29/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11642	RH					
E-11605	LH	1-3/16"	18-19/32"	E-3993B	E-2769HD	
E-11604	RH					
E-11645	LH	1-3/16"	20-61/64"	E-11904	E-2769HD	LX/MX 500 (1-5/8" Bushing Journal)
E-11644	RH					

Extended service camshafts CAN be used in place of standard camshafts.

Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

DEXTER 12-1/4" TRAILER BRAKES 28 SPLINE 1-1/2" JOURNAL DIA.

1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-10917	LH	1-1/16"	16-3/8"	2-7/32"	E-2469	E-10875	
E-10918	RH						
E-10919	LH	1-1/16"	20-5/16"	2-7/32"			
E-10920	RH						
E-10921	LH	1-1/16"	21-1/8"	2-7/32"			
E-10922	RH						
E-10923	LH	1-1/16"	22-5/16"	2-7/32"			
E-10924	RH						
E-10925	LH	1-1/16"	23-3/8"	2-7/32"			
E-10926	RH						
E-10927	LH	1-1/16"	24-5/8"	2-7/32"			
E-10928	RH						
E-10929	LH	1-1/16"	26-1/2"	2-7/32"			
E-10930	RH						

Extended service camshafts CAN be used in place of standard camshafts.

Standard camshafts CANNOT be used in place of extended service camshafts when using Extended service shoes and/or linings.

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

HENDRICKSON INTRAAX® - 16-1/2" TRAILER BRAKES - 10 SPLINE - 1-1/2" JOURNAL DIA.

1 1/2" Dia. - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11864	LH	1-1/8"	11-1/32"	2-5/16"	8-11/16"	E-11450HD (exposed) E-11897 (enclosed)	E-2769HD	Can be used with Enclosed Cam Tube or Exposed Cam 2" O.D. bushing and seal.
E-11865	RH							

HENDRICKSON INTRAAX® - 16-1/2" TRAILER BRAKES - 28 SPLINE - 1-1/2" JOURNAL DIA.

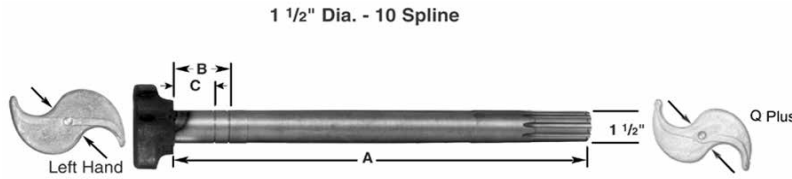
1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-10899	LH	1-3/8"	11-1/32"	2-5/16"		E-9791HD (exposed 1-7/8" O.D.) E-11450HD (exposed 2" O.D.) E-11897 (enclosed)	E-2769HD	Standard Series.
E-10900	RH							
E-11866	LH	1-1/8"	11-1/32"	2-5/16"	8-11/16"	E-11897 (enclosed)	E-2769HD	HXS. Can be used with Enclosed Cam Tube or Exposed Cam 2" O.D. bushing and seal.
E-11867	RH							

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

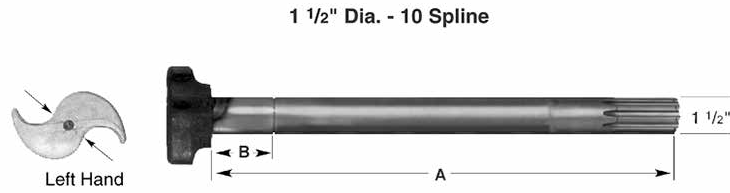
1-1/2" DIAMETER MULTI-APPLICATION CAMSHAFTS FOR TRAILERS WITH 16-1/2" BRAKES - DOUBLE GROOVE



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	GENERAL INFORMATION				
E-557	LH	1-3/8"	20-3/8"	2-7/32"	1-5/8"	E-2089 Eaton (Bolt-on)	Premium Universal. Entire camshaft is heat treated for maximum bearing life and twist resistance.				
E-556	RH										
E-2107	LH	1-3/8"	20-3/8"	2-5/16"	1-5/8"		E-2089 Eaton (Bolt-on)	Original Eaton Style Large S Head. Roller seats completely into S Head			
E-2108	RH										
E-1425A	LH	1-3/8"	20-7/16"	2-3/16"	1-5/8"			E-2089 Eaton (Bolt-on)	For Q+ brakes. Standard Universal 1-5/8" Groove used on Paymaster RN and RL Axles		
E-1424A	RH										
E-691	LH	1-3/8"	22-1/16"	2-9/16"	2-7/32"				E-2287 Spicer & Std. Forge		
E-690	RH										
E-1095	LH	1-3/8"	23-7/16"	2-5/16"	2-7/32"					E-2287 Spicer & Std. Forge	Extra long for use with Air Ride Suspensions Extra length keeps slack adjuster from rubbing on air bags and causing premature rupture
E-1094	RH										

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

1-1/2" DIAMETER MULTI-APPLICATION CAMSHAFTS FOR TRAILERS WITH 16-1/2" BRAKES - SINGLE GROOVE

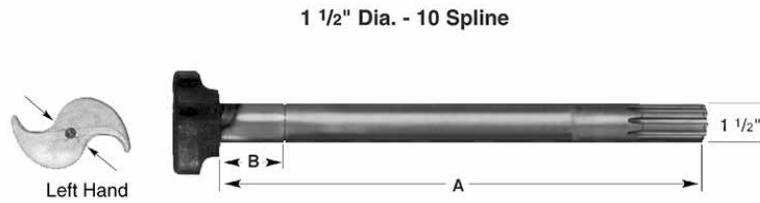


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	GENERAL INFORMATION	
E-4892	LH	1-3/8"	7-13/32"	2-7/32"		Used on Meritor R-100 Axles Also used on Ford, GMC, WhiteGMC, Diamond T Tag or Pusher Axles	
E-4893	RH						
E-687	LH	1-3/8"	16-1/2"	2-7/32"			
E-686	RH						
E-2795	LH	1-3/8"	17-3/8"	2-7/32"			E-2089 Eaton (Bolt-on)
E-2794	RH						E-2123 Easton (Weld-on)
E-689	LH	1-3/8"	18-3/8"	2-7/32"			E-2088AHD Meritor
E-688	RH		18-3/8"				E-2287 Spicer & Std. Forge

CAMSHAFTS

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

1-1/2" DIAMETER MULTI-APPLICATION CAMSHAFTS FOR TRAILERS WITH 16-1/2" BRAKES - SINGLE GROOVE

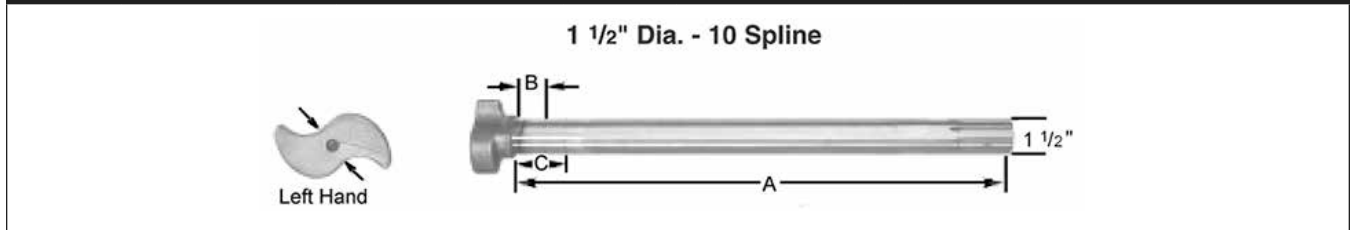


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	GENERAL INFORMATION				
E-2413	LH	1-3/8"	18-5/8"	2-7/32"	E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge	1/4" longer than E-688 and E-689. Can be used for both applications				
E-2412	RH									
E-685	LH	1-3/8"	21-3/32"	2-7/32"		E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge				
E-684	RH									
E-9089	LH	1-3/8"	22-3/8"	2-7/32"			E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge			
E-9090	RH									
E-4884	LH	1-3/8"	22-7/8"	2-7/32"				E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge		
E-4885	RH									
E-4717	LH	1-3/8"	24"	2-7/32"					E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge	
E-4716	RH									
E-2797	LH	1-3/8"	24-3/8"	2-7/32"						E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge
E-2796	RH									
E-4719	LH	1-3/8"	25-3/4"	2-7/32"	E-2089 Eaton (Bolt-on) E-2123 Easton (Weld-on) E-2088AHD Meritor E-2287 Spicer & Std. Forge					
E-4718	RH									

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

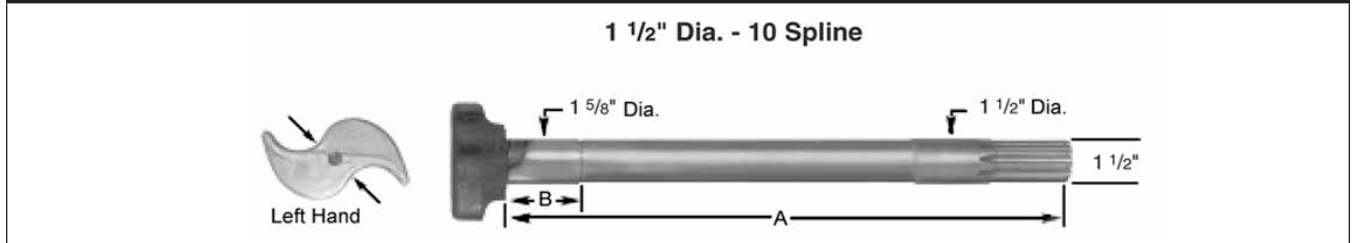
CAMSHAFTS

FOR EATON TRAILER AXLES WITH 12-1/4" DIA. BRAKES - DOUBLE GROOVE



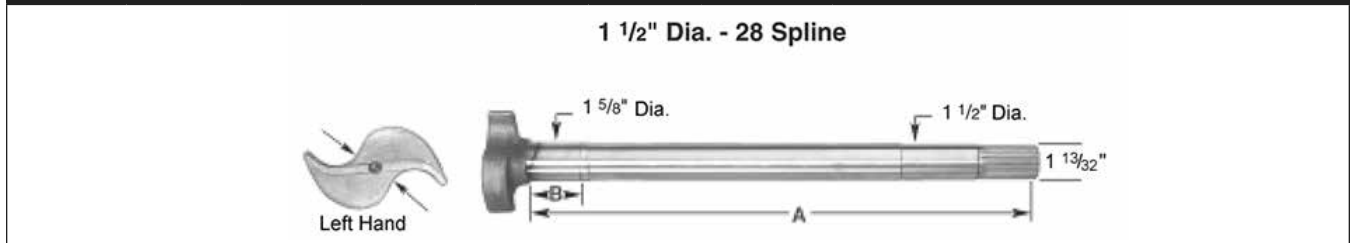
EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	APPLICATION INFORMATION
E-1394	LH	1-1/16"	20-5/16"	1-11/32"	2-7/32"	E-2494	E-2126	For use with late model Spider E-2487 & early model Spider E-1399. Use with Air Ride Suspension
E-1393	RH							
E-2493	LH	1-1/16"	22-5/16"	1-11/32"	2-7/32"	E-2494	E-2126	
E-2492	RH							

FOR EATON TRAILER AXLE WITH 501 SERIES WITH 16-1/2" BRAKES



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-2693	LH	1-9/32"	19-1/2"	2-7/32"	E-2696A	E-1887AHD	Used on Eaton Trailer Axles with 501 Series Brakes
E-2694	RH						
E-4721	LH	1-9/32"	23-3/4"	2-7/32"	E-2696A	E-1887AHD	For use on Eaton 501 Series Brakes
E-4720	RH						

FOR EATON TRAILER AXLE WITH 501 SERIES WITH 16-1/2" BRAKES

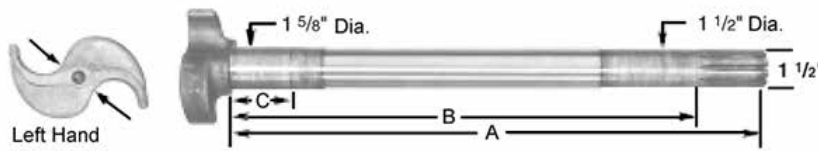


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-4723	LH	1-3/8"	20-7/32"	2-13/32"	E-2696A	E-1887AHD	
E-4722	RH			2-13/32"			

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR EATON TRAILER AXLES WITH 16-1/2" ES EXTENDED SERVICE BRAKES

1 1/2" Dia. - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	APPLICATION INFORMATION
E-5494	LH	1-1/8"	19-1/2"	17-3/16"	2-7/32"	E-2696A	E-5481A (ES) E-10244 (ES II)	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-5495	RH							
E-5496	LH	1-1/8"	23-3/4"	21-7/16"	2-5/32"			
E-5497	RH							

FOR EATON TRAILER AXLES WITH 16-1/2" ES EXTENDED SERVICE BRAKES

1 1/2" Dia. - 28 Spline

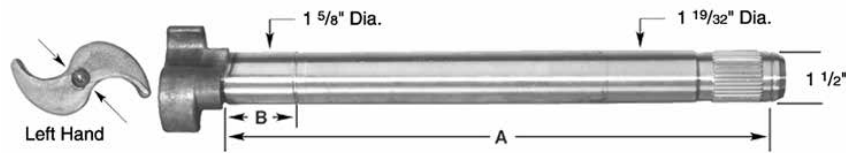


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9057	LH	1-1/8"	19-1/2"	2-5/32"	E-2696A	E-5481A (ES) E-10244 (ES II)	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-9058	RH						
E-9059	LH	1-1/8"	23-3/4"	2-7/32"			
E-9060	RH						

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR FRUEHAUF PRO-PAR® TRAILER AXLES WITH 12-1/4" BRAKES

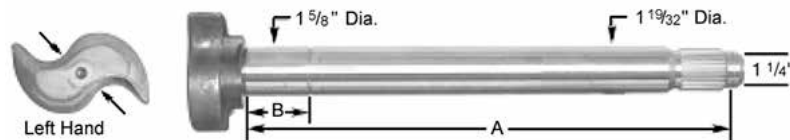
1 5/8" Dia. - 37 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-4890	LH	13/16"	21-3/16"	2-5/32"	E-2090 E-2122 (Old Style)	E-2286	
E-4891	RH						

FOR FRUEHAUF PRO-PAR® TRAILER AXLES WITH 16-1/2" BRAKES

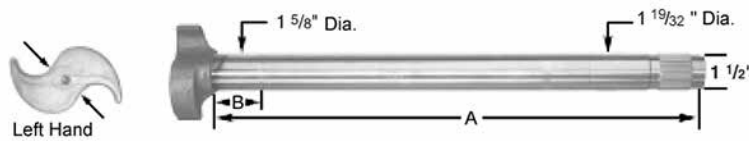
1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9761	LH	1-3/8"	16-1/8"	2-5/32"	E-2090 E-2122 (Old Style)	E-3710HD	
E-9762	RH						

FOR FRUEHAUF PRO-PAR® TRAILER AXLES WITH 16-1/2" BRAKES

1 5/8" Dia. - 37 Spline

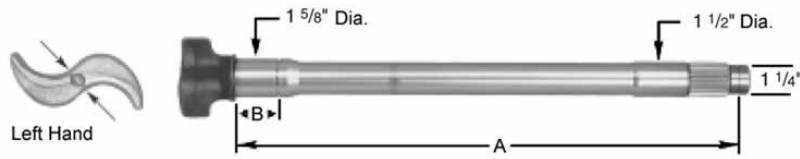


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-1563	LH	1-3/8"	16-1/8"	2-5/32"	E-2090 E-2122 (Old Style)	E-3710HD	For Pro-Par® Axle 16-1/2" Brakes. Use with E-1574HD 37 Serration Slack Adjuster.
E-1564	RH						
E-2099	LH	1-3/8"	21-1/8"	2-5/32"	E-2090 E-2122 (Old Style)	E-3710HD	For 16-1/2" Fruehauf Brakes. Extra long for use with Air Ride Suspension. Use with E-1574HD 37 Serration Slack Adjuster.
E-2100	RH						
E-3861	LH	1-3/8"	23-7/8"	2-7/32"	E-2090 E-2122 (Old Style)	E-3710HD	Longer length for Air Ride suspensions.
E-3862	RH						

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR TRAILER AXLES WITH 12-1/4" BRAKES

1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-3516	LH	11/16"	20-3/8"	1-23/32"	E-3520A E3520AHD E3989AHD	E-3484	
E-3517	RH						
E-9087	LH	11/16"	23-7/32"	1-23/32"			
E-9088	RH						

FOR MERITOR TRAILER AXLES WITH 15" Q+ BRAKES

1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-11958	LH	1"	23-3/8"	1-63/64"	E-11904		Contact Florence Information Services for Repair Kit details.
E-11959	RH						

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR 4000-6000 SERIES TRAILER AXLES WITH 16-1/2" BRAKES

1 1/2" Dia. - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-2447A	LH	1-3/16"	17-5/16"	1-45/64"	E-3520A E-3520AHD E-3989AHD	E-2769HD	
E-2448A	RH						
E-2449A	LH	1-3/16"	20-13/32"	1-45/64"			
E-2450A	RH						
E-2451A	LH	1-3/16"	24-1/16"	1-45/64"			
E-2452A	RH						

FOR MERITOR 4000-6000 SERIES TRAILER AXLES WITH 16-1/2" Q+ BRAKES

1 1/2" Dia. - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-2441B	LH	1-3/16"	17-5/16"	1-45/64"	E-3520A E-3520AHD E-3989AHD	E-2769HD	Q+, Q and P brakes. Cast spiders with press-in bushings. Fabricated spiders with weld-on bushings.
E-2442B	RH						
E-2443B	LH	1-3/16"	20-13/32"	1-45/64"			
E-2444B	RH						
E-2445B	LH	1-3/16"	24-1/16"	1-45/64"			
E-2446B	RH						

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR MERITOR TRAILER AXLES WITH 16-1/2" Q+ BRAKES

1 1/2" Dia. - 28 Spline



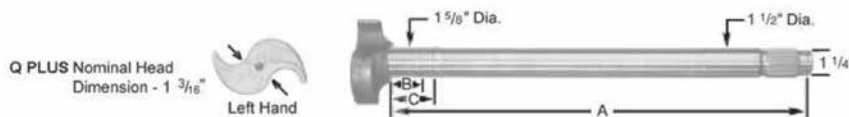
EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-5506	LH	1-3/16"	17-5/16"	1-31/32"	E-9078HD (Press-in spider bushings) E-9079HD (Bolt-on spider bushings)	E-2769HD	Can be used with cast or fabricated spiders and all spider bushings. E-9075 Washer must be used when using these camshafts with nylon or metal press-in spider bushings. These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-5505	RH						
E-5508	LH	1-3/16"	20-13/32"	1-31/32"			
E-5509	RH						
E-5510	LH	1-3/16"	24-1/16"	1-31/32"			
E-5511	RH						

FOR MERITOR TRAILER AXLES WITH 16-1/2" BRAKES

Use Camshaft Repair Kit:
E-3520A, E-3520AHD, E-3989AHD
E-9078HD, E-9079HD

1 1/2" Dia. - 28 Spline

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-14822	LH	1-3/16"	17-5/16"	1-31/32"	1-63/64"	E-3520A E-3520AHD E-3989AHD E-9078HD E-9079HD		Double snap ring groove under head.
E-14823	RH							
E-14824	LH	1-3/16"	20-13/32"	1-31/32"	1-63/64"			
E-14825	RH							
E-14820	LH	1-3/16"	24-1/16"	1-31/32"	1-63/64"			
E-14821	RH							

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR SPICER (STD. FORGE) TRAILER AXLES WITH 12-1/4" BRAKES

1 1/2" Dia. - 10 Spline

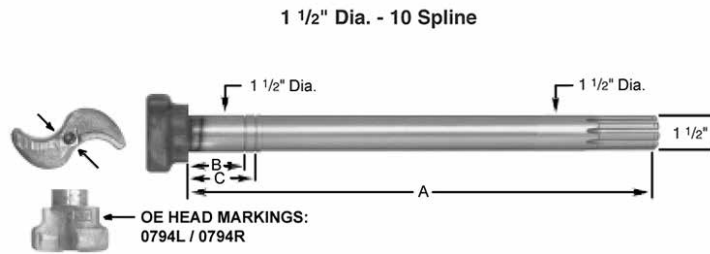


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9743	LH	1-1/16"	18-7/8"	2-7/32"	2-21/32"	E-2469 (Nylon spider bushing) E-5307 (Bronze spider bushing)	Check Application	Spicer (Dana) and Std. Forge 12-1/4" x 5-1/2" and 12-1/4" x 7-1/2" Brakes. Also can be used for Dexter 12-1/4" Brakes.
E-9744	RH							
E-1411	LH	1-1/16"	21-1/8"	2-7/32"	2-21/32"			
E-1410	RH							
E-1423	LH	1-1/16"	23-1/4"	2-7/32"	2-21/32"			
E-1422	RH							
E-1421	LH	1-1/16"	23-7/8"	2-7/32"	2-21/32"			
E-1420	RH							
E-2793	LH	1-1/16"	24-5/8"	2-7/32"	2-21/32"			
E-2792	RH							
E-9747	LH	1-1/16"	26-1/2"	2-7/32"	2-21/32"			
E-9748	RH							

CAMSHAFTS

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR SPICER TRAILER AXLES WITH 12-1/4" BRAKES - "NEW" HEAD DESIGN REPLACES "FAST-RISE" CAMSHAFT HEAD STYLE

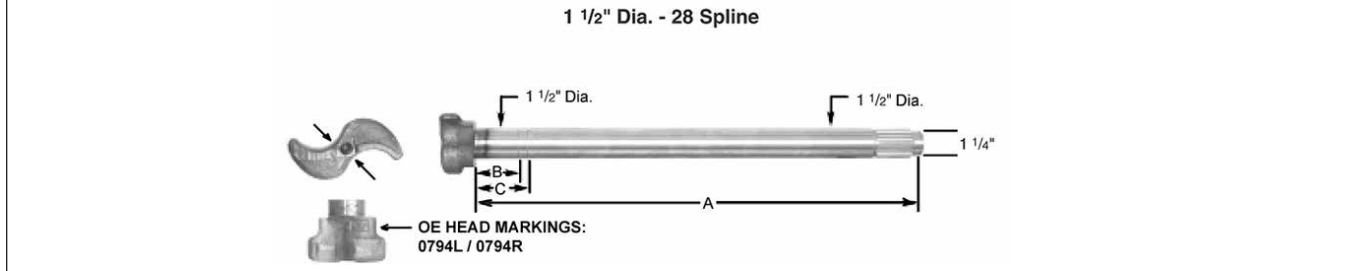


CAMSHAFTS

EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	GENERAL INFORMATION
E-9263	LH	11/16"	16-1/8"	2-7/32"	2-21/32"	E-2469 (Nylon spider bushing) E-5307 (Bronze spider bushing)	Spicer has changed the head design of these camshafts. The new heads are marked: "0794L" and "0794R". Spicer did not change their part numbers for these cams, so pay attention to the head markings! WARNING: These camshafts are for use with fabricated brakes shoes only! DO NOT use these new camshafts with cast brake shoe or fabricated closed roller-end brake shoes. Euclid fabricated open roller end brake shoe numbers are: , E-2394A, and E-5303A. WARNING: E-586, 1-1/2" diameter, Rollers must be used with this new head design. E-586 rollers are now available in Brake Repair Kits E-9281, E-9282 and E-9283. WARNING: These camshafts should not be used in conjunction with old "FAST-RISE" camshafts on the same axle. The rate of brake application is different between the two head designs.
E-9264	RH						
E-9265	LH	11/16"	18-7/8"	2-7/32"	2-21/32"		
E-9266	RH						
E-9267	LH	11/16"	20-1/2"	2-7/32"	2-21/32"		
E-9268	RH						
E-9269	LH	11/16"	21-1/4"	2-7/32"	2-21/32"		
E-9270	RH						
E-9273	LH	11/16"	23-1/8"	2-7/32"	2-21/32"		
E-9274	RH						
E-9275	LH	11/16"	23-1/2"	2-7/32"	2-21/32"		
E-9276	RH						
E-9279	LH	11/16"	26-1/4"	2-7/32"	2-21/32"		
E-9280	RH						

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR SPICER TRAILER AXLES WITH 12-1/4" BRAKES - "NEW" HEAD DESIGN REPLACES "FAST-RISE" CAMSHAFT HEAD STYLE

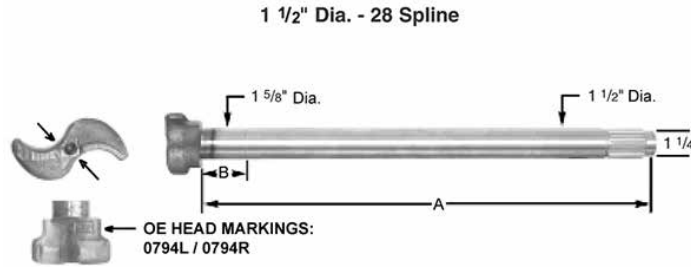


EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	GENERAL INFORMATION
E-9755	LH	11/16"	21-5/16"	2-7/32"	2-21/32"	E-2469 (Nylon spider bushing) E-5307 (Bronze spider bushing)	Spicer has changed the head design of these camshafts. The new heads are marked: "0794L" and "0794R". Spicer did not change their part numbers for these cams, so pay attention to the head markings!
E-9756	RH						
E-9757	LH	11/16"	22-1/16"	2-7/32"	2-21/32"		WARNING: These camshafts are for use with fabricated brakes shoes only! DO NOT use these new camshafts with cast brake shoe or fabricated closed roller-end brake shoes. Euclid fabricated open roller end brake shoe numbers are: E-2394A, and E-5303A.
E-9758	RH						
E-9759	LH	11/16"	23-3/16"	2-7/32"	2-21/32"		WARNING: E-586, 1-1/2" diameter, Rollers must be used with this new head design. E-586 rollers are now available in Brake Repair Kits E-9281, E-9282 and E-9283.
E-9760	RH						
WARNING: These camshafts should not be used in conjunction with old "FAST-RISE" camshafts on the same axle. The rate of brake application is different between the two head designs.							

CAMSHAFTS

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR SPICER TRAILER AXLES WITH 12-1/4" BRAKES - "NEW" HEAD DESIGN REPLACES "FAST-RISE" CAMSHAFT HEAD STYLE



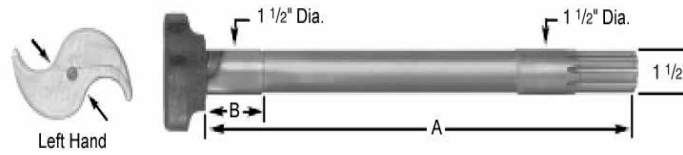
EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	GENERAL INFORMATION
E-10901	LH	11/16"	20-9/16"	2-7/32"	E-9790A	Spicer has changed the head design of these camshafts. The new heads are marked: "0794L" and "0794R". Spicer did not change their part numbers for these cams, so pay attention to the head markings!
E-10902	RH					WARNING: These camshafts are for use with fabricated brakes shoes only! DO NOT use these camshafts with cast brake shoe or fabricated closed roller-end brake shoes. Euclid fabricated open roller end brake shoe numbers is: E-5303A.
E-10903	LH	11/16"	21-5/16"	2-7/32"		WARNING: E-586, 1-1/2" diameter, Rollers must be used with this head design. E-586 rollers are now available in Brake Repair Kits E-9281, E-9282 and E-9283.
E-10904	RH					WARNING: These camshafts should not be used in conjunction with old "FAST-RISE" camshafts on the same axle. The rate of brake application is different between the two head designs.
E-10905	LH	11/16"	23-3/16"	2-7/32"		
E-10906	RH					
E-10907	LH	11/16"	23-15/16"	2-7/32"		
E-10908	RH					

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

CAMSHAFTS

FOR SPICER (HAYES DANA) TRAILER AXLES WITH 16-1/2" BRAKES

1 1/2" Dia. - 10 Spline



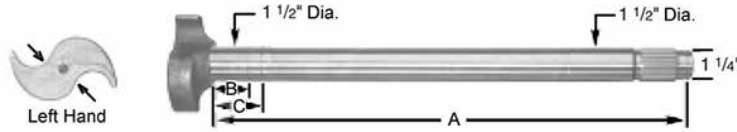
EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-7217	LH	1-3/8"	26-1/4"	2-7/32"	E-2287	Check Application	
E-7218	RH						
E-7219	LH	1-3/8"	26-1/2"	2-7/32"			
E-7220	RH						

CAMSHAFTS

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

FOR SPICER TRAILER AXLES WITH 16-1/2" BRAKES

1 1/2" Dia. - 28 Spline



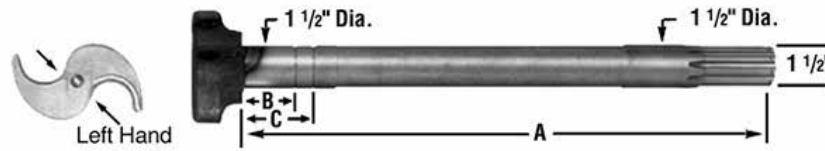
EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9725	LH	1-3/8"	17-3/8"	1-5/8"	2-7/32"	E-2287	E-2769HD	
E-9726	RH							
E-3854	LH	1-3/8"	20-3/8"	1-5/8"	2-7/32"	E-2287	E-2769HD	Standard length
E-3855	RH							
E-6884	LH	1-3/8"	22-7/8"	1-5/8"	2-7/32"	E-2287	E-2769HD	
E-6885	RH							
E-3856	LH	1-3/8"	23-7/16"	1-5/8"	2-7/32"	E-2287	E-2769HD	Longer length for Air Ride suspensions
E-3857	RH							

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

CAMSHAFTS

FOR SPICER TRAILER AXLES WITH 16-1/2" XL XTRALIFE BRAKES

1 1/2" - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9739	LH	1-1/8"	19-1/2"	1-5/8"	2-7/32"	E-2287	E-5515 (XL) E-2769HD (Standard Q)	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-9740	RH		28-3/8"					
E-16824	LH		7-5/8"					
E-16825	RH		9-1/2"					
E-16826	LH		9-3/4"					
E-16827	RH		9-7/8"					
E-16828	LH		7-1/2"					
E-16829	RH		7-5/8"					
E-16830	LH		8-1/2"					
E-16831	RH		9-1/8"					
E-16832	LH		9-3/4"					
E-16833	RH		7-1/2"					
E-16836	LH		9-3/4"					
E-16837	RH		7-1/2"					
E-16838	LH		9-1/8"					
E-16839	RH		9-3/4"					
E-16840	LH		7-1/2"					
E-16841	RH		9-1/8"					
E-16842	LH		9-3/4"					
E-16843	RH		7-1/2"					
E-16844	LH		9-1/8"					
E-16845	RH		9-3/4"					
E-16848	LH		7-1/2"					
E-16849	RH		9-1/8"					
E-16850	LH		9-3/4"					
E-16851	RH		7-1/2"					
E-16852	LH		9-1/8"					
E-16853	RH		9-3/4"					
E-16854	LH							
E-16855	RH							

CAMSHAFTS

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

BRAKE CAMSHAFTS — TRAILER AXLE

FOR SPICER TRAILER AXLES WITH 16-1/2" XL XTRALIFE BRAKES

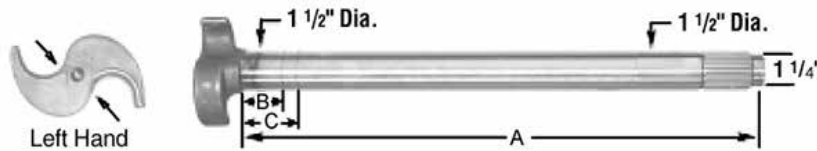
1 1/2" - 10 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-5518	LH	1-1/8"	20-3/8"	1-5/8"	2-7/32"	E-2287	E-5515 (XL) E-2769HD (Standard Q)	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-5519	RH		22-7/8"					
E-6101	LH		23-1/2"					
E-6102	RH		24"					
E-5520	LH		24-3/8"					
E-5521	RH		26-1/4"					
E-9727	LH							
E-9728	RH							
E-6103	LH							
E-6104	RH							
E-9741	LH							
E-9742	RH							

FOR SPICER TRAILER AXLES WITH 16-1/2" XL XTRALIFE BRAKES

1 1/2" - 28 Spline



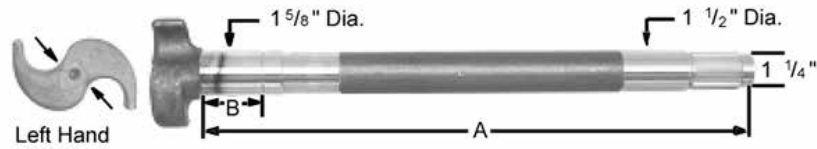
EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	C	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9096	LH	1-1/8"	17-3/16"	1-5/8"	2-7/32"	E-2287	E-5515 (XL) E-2769HD (Standard Q)	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-9097	RH		17-7/16"					
E-5522	LH	1-1/8"	20-7/16"	1-5/8"	2-7/32"			
E-5523	RH		22-15/16"					
E-5524	LH	1-1/8"	23-9/16"	1-5/8"	2-7/32"			
E-5525	RH		24-1/16"					
E-9098	LH	1-1/8"	26-15/16"	1-5/8"	2-7/32"			
E-9099	RH							
E-5526	LH	1-1/8"		1-5/8"	2-7/32"			
E-5527	RH							
E-9100	LH	1-1/8"		1-5/8"	2-7/32"			
E-9101	RH							
E-9729	LH	1-1/8"		1-5/8"	2-7/32"			
E-9730	RH							

All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

CAMSHAFTS

FOR SPICER TRAILER AXLES WITH 16-1/2" XL XTRALIFE BRAKES WITH 1-5/8" BEARING JOURNAL

1 1/2" - 28 Spline



EUCLID NO.	HEAD END	NOMINAL HEAD DIM.	A	B	CAMSHAFT REPAIR KIT	BRAKE REPAIR KIT	GENERAL INFORMATION
E-9731	LH	1-1/8"	17-7/16"	2-1/4"	E-9790A E-11910	E-5515 (XL) E-2769HD (Standard Q)	These cams are "extended life" versions of this manufacturer's "standard version". If retrofitting from "standard" to "extended life" camshafts, Euclid strongly recommends replacing both cams on a single axle or all cams on tandem axles to promote a balanced brake condition.
E-9732	RH						
E-9733	LH	1-1/8"	20-7/16"	2-1/4"			
E-9734	RH						
E-11856	LH	1-1/8"	22-5/8"	2-1/4"			
E-11857	RH						
E-11858	LH	1-1/8"	22-7/8"	2-1/4"			
E-11859	RH						
E-9735	LH	1-1/8"	23-9/16"	2-1/4"			
E-9736	RH						
E-10909	LH	1-1/8"	24-1/8"	2-1/4"			
E-10910	RH						
E-11860	LH	1-1/8"	26-1/4"	2-1/4"			
E-11861	RH						
E-9737	LH	1-1/8"	26-15/16"	2-1/4"			
E-9738	RH						
E-11862	LH	1-1/8"	30-1/4"	2-1/4"			
E-11863	RH						

CAMSHAFTS

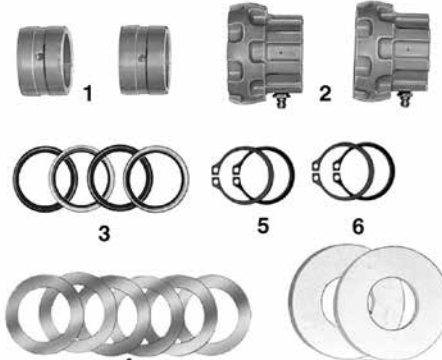
All Euclid Cam Lengths are measured from under Cam Head to beginning of Lock Ring Groove.

E-11910 FOR 12-1/4" AND 16-1/2" DIA. CAM BRAKES				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-9789	1	2	Camshaft Bushing	FOR SPICER (DANA) 12-1/4" and 16-1/2" BRAKE WITH 1-5/8" CAM JOURNAL Same as E-9790A except contains cam support brackets.
				E-9792A	2	2	Camshaft Bushing	
				E-2405	3	4	Camshaft Seal	
				E-1569	4	2	Camshaft Lock Ring	
				E-801	5	2	Lock Ring	
				E-10800	6	2	Cam Washer	
				E-580	7	2	Camshaft Spacer Washer	
				E-1113	8	4	Washer	
				E-10801	9	2	Cam Washer	
				E-11445	10	1	Camshaft Support Bracket	
				E-11446	11	1	Camshaft Support Bracket	

E-2469 FOR 12-1/4" DIA. CAM BRAKES				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-580	1	2	Camshaft Spacer Washer	FOR LATE MODEL SPICER and STANDARD FORGE AXLES
				E-581	2	2	Camshaft Spacer Washer	
				E-1416A	3	4	Camshaft Seal	
				E-2404	4	2	Camshaft "D" Washer	
				E-526	5	4	Camshaft Lock Ring	
				E-759	6	2	Camshaft Spider Bushing	
				E-2102	7	2	Camshaft Bushing	
				E-2409	8	2	Camshaft Spacer Washer	
				E-1113	9	2	Washer	
				E-801	10	2	Lock Ring	

E-2469-2 FOR 12-1/4" DIA. CAM BRAKES				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-580	1	1	Camshaft Spacer Washer	FOR LATE MODEL SPICER and STANDARD FORGE AXLES Half kit includes exactly half of Kit E-2469 for one wheel end.
				E-581	2	1	Camshaft Spacer Washer	
				E-1416A	3	2	Camshaft Seal	
				E-2404	4	1	Camshaft "D" Washer	
				E-526	5	2	Camshaft Lock Ring	
				E-759	6	1	Camshaft Spider Bushing	
				E-2102	7	1	Camshaft Bushing	
				E-2409	8	1	Camshaft Spacer Washer	
				E-1113	9	1	Washer	
				E-801	10	1	Lock Ring	

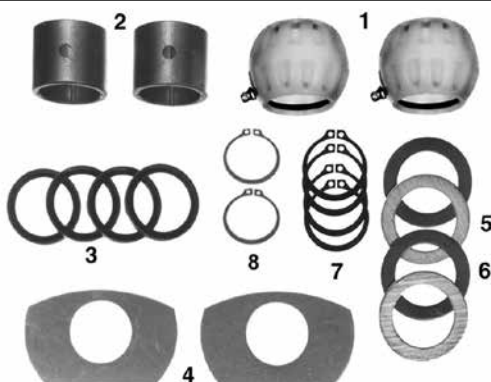
E-2494 FOR 12-1/4" DIA. CAM BRAKES

				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-536	1	2	Camshaft Bushing	FOR LATE MODEL EATON AXLES
				E-1385	2	2	Camshaft Bushing	
				E-1416A	3	4	Camshaft Seal	
				E-580	4	6	Camshaft Spacer Washer	
				E-1569	5	2	Camshaft Lock Ring	
				E-526	6	2	Camshaft Lock Ring	
				E-3473	7	2	Camshaft Spacer Washer	

E-2526 FOR 12-1/4" DIA. CAM BRAKES

				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-536	1	2	Camshaft Bushing	FOR SPICER and STANDARD FORGE AXLES
				E-759	2	2	Camshaft Spider Bushing	
				E-1416A	3	8	Camshaft Seal	Use the shorter E-536 Bushing in cam support bracket and the longer E-759 Bushing in the spider.
				E-564	4	4	Camshaft Spacer Washer	
				E-1408	5	2	Camshaft Washer	
				E-526	6	6	Camshaft Lock Ring	

E-5307 FOR 12-1/4" DIA. CAM BRAKES

				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-2102	1	2	Camshaft Bushing	FOR SPICER (DANA) 12-1/4" U BRAKE
				E-807	2	2	Bronze Camshaft Bushing	
				E-1416A	3	4	Camshaft Seal	
				E-2409	4	2	Camshaft Spacer Washer	
				E-580	5	2	Camshaft Spacer Washer	
				E-2404	6	2	Camshaft "D" Washer	
				E-526	7	4	Camshaft Lock Ring	
				E-801	8	2	Lock Ring	

E-5307-2 FOR 12-1/4" DIA. CAM BRAKES

				EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
				E-2102	1	1	Camshaft Bushing	FOR SPICER (DANA) 12-1/4" U BRAKE. Half kit includes exactly half of Kit E-5307 for one wheel end.
				E-807	2	1	Bronze Camshaft Bushing	
				E-1416A	3	2	Camshaft Seal	
				E-2409	4	1	Camshaft Spacer Washer	
				E-580	5	1	Camshaft Spacer Washer	
				E-2404	6	1	Camshaft "D" Washer	
				E-526	7	2	Camshaft Lock Ring	
				E-801	8	1	Lock Ring	

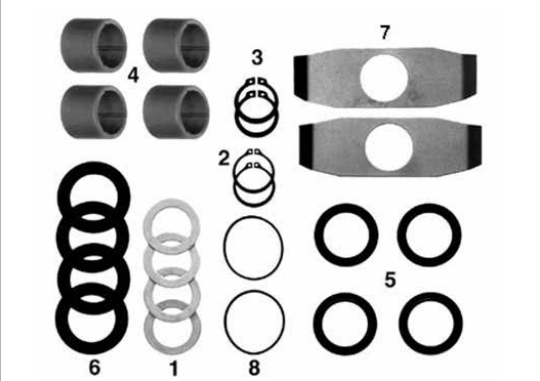
E-9790A FOR 12-1/4" AND 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-9789	1	2	Camshaft Bushing	FOR SPICER (DANA) 12-1/4" and 16-1/2" BRAKE WITH 1-5/8" CAM JOURNAL
E-9792A	2	2	Camshaft Bushing	
E-2405	3	4	Camshaft Seal	
E-1569	4	2	Camshaft Lock Ring	
E-801	5	2	Lock Ring	
E-10800	6	2	Cam Washer	
E-580	7	2	Camshaft Spacer Washer	
E-1113	8	4	Washer	
E-10801	9	2	Cam Washer	

E-10846 FOR 14-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-667	1	4	Bronze Camshaft Bushing	FOR MERITOR COACH 14-1/2" x 4" and 6" W SERIES
E-654	2	4	Camshaft Seal	
E-4736	3	2	Camshaft Lock Ring	
E-10845	4	4	Camshaft Spacer Washer	
E-3479	5	4	Camshaft Spacer Washer	
E-10843	6	2	Camshaft Spacer Washer	

E-10872 FOR 14-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-10857	1	4	Camshaft Head Washer	MERITOR COACH 14-1/2" W SERIES BRAKE For use with Meritor Coach W 10" Series Brake Shoe, Type 3
E-10843	2	2	Camshaft Spacer Washer	
E-654	3	4	Camshaft Seal	
E-667	4	4	Bronze Camshaft Bushing	
E-3479	5	4	Camshaft Spacer Washer	
E-10845	6	4	Camshaft Spacer Washer	
E-4736	7	2	Camshaft Lock Ring	

E-10897 FOR 15" AND 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-536	1	2	Camshaft Bushing	FOR EATON "ES" Eaton 15" "REDUCED ENVELOPE" Brakes and Drive Axles with 16-1/2" ES EXTENDED SERVICE Brakes
E-1416	2	4	Camshaft Seal	
E-1781	3	4	Camshaft Spacer Washer	
E-1782	4	4	Camshaft Spacer Washer	
E-667	5	2	Bronze Camshaft Bushing	
E-3234	6	2	Camshaft Snap Ring	
E-5482	7	2	Camshaft Wear Washer	
E-580	8	2	Camshaft Spacer Washer	

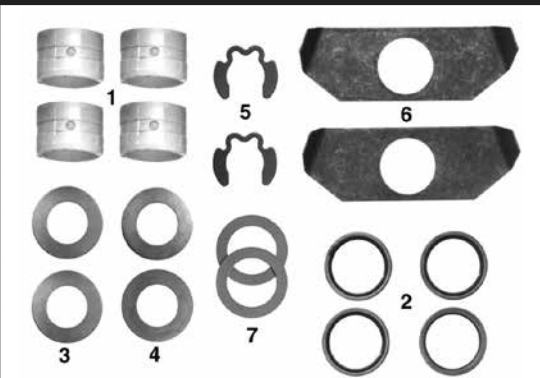
E-3993B FOR 15" AND 16-1/2" DIA. CAM BRAKES

		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-1113	1	4	Washer	FOR MERITOR 15 and 16-1/2" DRIVE AXLE Q and Q+ BRAKES Contains E-3859 Rubber Camshaft Support Gasket. Contains New Style E-5512 Moly-impregnated Spider Bushing. Contains Lock Rings for Camshafts with narrow or wide grooves.		
E-801	2	2	Lock Ring			
E-5093	3	2	Camshaft Lock Ring			
E-5512	4	4	Camshaft Bushing			
E-654	5	4	Camshaft Seal			
E-3479	6	4	Camshaft Spacer Washer			
E-3478	7	2	Camshaft Wear Washer			
E-3859	8	2	Camshaft Seal			

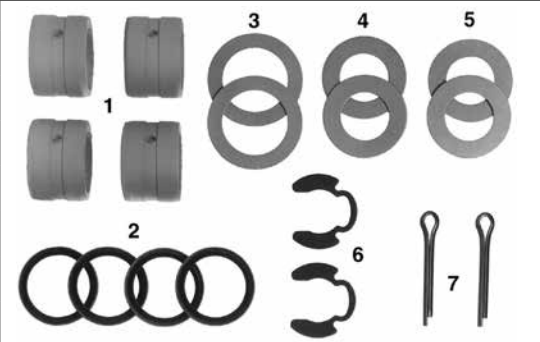
E-3993B-2 FOR 15" AND 16-1/2" DIA. CAM BRAKES

		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-1113	1	2	Washer	FOR MERITOR 15 and 16-1/2" DRIVE AXLE Q and Q+ BRAKES Contains E-3859 Rubber Camshaft Support Gasket. Contains New Style E-5512 Moly-impregnated Spider Bushing. Contains Lock Rings for Camshafts with narrow or wide grooves. Contains half of Kit E-3993B.		
E-801	2	1	Lock Ring			
E-5093	3	1	Camshaft Lock Ring			
E-5512	4	2	Camshaft Bushing			
E-654	5	2	Camshaft Seal			
E-3479	6	2	Camshaft Spacer Washer			
E-3478	7	1	Camshaft Wear Washer			
E-3859	8	1	Camshaft Seal			

E-5501 FOR 15" AND 16-1/2" DIA. CAM BRAKES

		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-536	1	4	Camshaft Bushing	FOR EATON 15" REDUCED ENVELOPE BRAKES AND DRIVE AXLES WITH 16-1/2" ES EXTENDED SERVICE BRAKES		
E-1416	2	4	Camshaft Seal			
E-1781	3	2	Camshaft Spacer Washer			
E-1782	4	2	Camshaft Spacer Washer			
E-3234	5	2	Camshaft Snap Ring			
E-5482	6	2	Camshaft Wear Washer			
E-580	7	2	Camshaft Spacer Washer			

E-5501-2 FOR 15" AND 16-1/2" DIA. CAM BRAKES

		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-536	1	4	Camshaft Bushing	FOR EATON Self-Contained Drive Axle Brakes		
E-1416	2	4	Camshaft Seal			
E-580	3	2	Camshaft Spacer Washer			
E-1781	4	2	Camshaft Spacer Washer			
E-1782	5	2	Camshaft Spacer Washer			
E-3234	6	2	Camshaft Snap Ring			
NSS*	7	2	Cotter Pin			

*Not Sold Separately

E-2125-2 FOR 15" AND 16-1/4" DIA. CAM BRAKES						
		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
		E-536	1	2	Camshaft Bushing	FOR EATON Self-Contained Drive Axle Brakes. Half kit includes exactly half of Kit E-2125 for one wheel end.
E-1416	2	2	Camshaft Seal			
E-580	3	1	Camshaft Spacer Washer			
E-1781	4	1	Camshaft Spacer Washer			
E-1782	5	1	Camshaft Spacer Washer			
E-3234	6	1	Camshaft Snap Ring			
NSS*	7	1	Cotter Pin			

E-3468A FOR 15" AND 16-1/4" DIA. CAM BRAKES						
		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
		E-5512	1	4	Camshaft Bushing	FOR MERITOR 15" and 16-1/4" DIAMETER T SERIES BRAKES WITH 1-1/2" DIAMETER CAMSHAFT
E-654	2	4	Camshaft Seal			
E-581	3	2	Camshaft Spacer Washer			
E-580	4	4	Camshaft Spacer Washer			
E-4736	5	2	Camshaft Lock Ring			
E-3473	6	2	Camshaft Spacer Washer			
E-3472	7	2	Camshaft Spacer Washer			

E-11904 FOR 15" AND 16-1/2" DIA. CAM BRAKES						
		EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
		NSS*	1	1	Lube Fitting	FOR MERITOR LX/MX 500 SERIES BRAKES Services 1 brake. Use with stamped or cast spider.
E-3859	2	1	Camshaft Seal			
E-654	3	1	Camshaft Seal			
NSS*	4	1	Grease Seal			
NSS*	5	1	Seal			
NSS*	6	1	Seal			
NSS*	7	1	Seal			
NSS*	8	1	Camshaft Bushing			
NSS*	9	1	Camshaft Bushing			
E-5095	10	4	Camshaft Spacer Washer			
E-5093	11	1	Camshaft Lock Ring			
NSS*	12	1	Flat Washer			
NSS*	13	1	Special Washer			
NSS*	14	1	Flat Washer			
NSS*	15	2	Plug			
NSS*	16	1	Grease (14 oz.) (Not Shown)			

*Not Sold Separately

E-3353A FOR 15" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-2733	2	4	Camshaft Washer	FOR WAGNER FRONT BRAKES 15" x 3", 15" x 3-1/2", 15" x 4"
NSS*	3	2	Snap Ring	
NSS*	4	4	Seal	

E-3354 FOR 15" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
NSS*	1	4	Bushing	FOR WAGNER DRIVE AXLE BRAKES 15" x 6", 15" x 7"
E-2409	2	4	Camshaft Spacer Washer	
E-4736	3	2	Camshaft Lock Ring	
E-2717	4	4	Camshaft Seal	

E-3446 FOR 15" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-3447	1	4	Camshaft Bushing	FOR MERITOR 15" DIAMETER T SERIES BRAKES WITH 1-1/4" DIAMETER CAMSHAFT
E-3469	2	4	Camshaft Seal	
E-5093	3	2	Camshaft Lock Ring	
E-3471	4	6	Camshaft Spacer Washer	
E-801	5	2	Lock Ring	
E-3475	6	2	Camshaft Spacer Washer	
NSS*	7	2	Cam Spacer	
E-3476	8	2	Camshaft Spacer Washer	

*Not Sold Separately

E-3876 FOR 15" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-3877	1	4	Camshaft Bushing	FOR MERITOR STEERING AXLES WITH 15" Q SERIES BRAKES For one complete axle.
E-3878	2	4	Camshaft Seal	
E-9076	3	2	Camshaft Lock Ring	
E-3476	4	4	Camshaft Spacer Washer	

E-5140 FOR 15" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-5127	1	4	Camshaft Bushing	FOR EATON 15" x 4" SINGLE ANCHOR PIN FRONT AXLE BRAKE
E-5128	2	4	Camshaft Seal	
E-5137	3	2	Camshaft Spacer Washer	
E-5138	4	2	Camshaft Spacer Washer	
E-3234	5	2	Camshaft Snap Ring	

E-5140-2 FOR 15" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-5127	1	2	Camshaft Bushing	FOR EATON 15" x 4" SINGLE ANCHOR PIN FRONT AXLE BRAKE Half kit includes exactly half of Kit E-5140 for one wheel end.
E-5128	2	2	Camshaft Seal	
E-5137	3	1	Camshaft Spacer Washer	
E-5138	4	1	Camshaft Spacer Washer	
E-3234	5	1	Camshaft Snap Ring	

E-2086B FOR 16-1/2" AND 18" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-5512	1	4	Camshaft Bushing	FOR MERITOR 16-1/2" and 18" DRIVE AXLE P SERIES BRAKES "UNIVERSAL KIT" Contains E-526 Lock Ring for Camshafts with narrow groove. Contains E-4736 Lock Ring for Camshafts with wide groove. Contains E-3859 Rubber Camshaft Support Gasket. Contains New Style E-5512 Moly-impregnated Spider Bushing.
E-654	2	4	Camshaft Seal	
E-656	3	2	Camshaft "D" Washer	
E-580	4	2	Camshaft Spacer Washer	
E-581	5	2	Camshaft Spacer Washer	
E-526	6	2	Camshaft Lock Ring	
E-3859	7	2	Camshaft Seal	
E-4736	8	2	Camshaft Lock Ring	

*Not Sold Separately

E-2086B-2 FOR 16-1/2" AND 18" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-5512	1	2	Camshaft Bushing	FOR MERITOR 16-1/2" and 18" DRIVE AXLE P SERIES BRAKES "UNIVERSAL KIT" Contains E-526 Lock Ring for Camshafts with narrow groove. Contains E-4736 Lock Ring for Camshafts with wide groove. Contains E-3859 Rubber Camshaft Support Gasket. Contains New Style E-5512 Moly-impregnated Spider Bushing. Contains half of Kit E-2086B.
E-654	2	2	Camshaft Seal		
E-656	3	1	Camshaft "D" Washer		
E-580	4	1	Camshaft Spacer Washer		
E-581	5	1	Camshaft Spacer Washer		
E-526	6	1	Camshaft Lock Ring		
E-3859	7	1	Camshaft Seal		
E-4736	8	1	Camshaft Lock Ring		

E-11450 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-11449	1	2	Bronze Camshaft Bushing	FOR HENDRICKSON INTRAAX® 16-1/2" BRAKE 2" bushing and seal O.D.
E-11451	2	4	Camshaft Seal		
E-1318A	3	2	Camshaft Support Bracket		
E-2720	4	2	Camshaft Lock Ring		
E-564	5	8	Camshaft Spacer Washer		
E-656	6	2	Camshaft "D" Washer		
E-719	7	4	Camshaft Spacer Washer		
E-801	8	2	Lock Ring		

E-11450HD FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-11449	1	2	Bronze Camshaft Bushing	FOR HENDRICKSON INTRAAX® 16-1/2" BRAKE Replaces Hendrickson S-23974. Includes heavy-duty cam support busings. 2" bushing and seal O.D.
E-11451	2	4	Camshaft Seal		
E-1113	3	4	Washer		
E-1318AHD	4	2	Camshaft Support Bracket		
E-2720	5	2	Camshaft Lock Ring		
E-564	6	8	Camshaft Spacer Washer		
E-656	7	2	Camshaft "D" Washer		
E-719	8	4	Camshaft Spacer Washer		
E-801	9	2	Lock Ring		

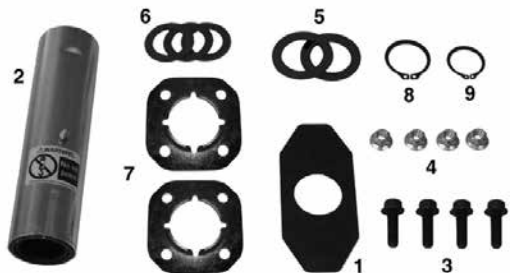
E-11450HD-2 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-11449	1	1	Bronze Camshaft Bushing	FOR HENDRICKSON INTRAAX® 16-1/2" BRAKE Half kit includes exactly half of Kit E-11450HD for one wheel end. 2" bushing and seal O.D.
E-11451	2	2	Camshaft Seal		
E-1113	3	2	Washer		
E-1318AHD	4	1	Camshaft Support Bracket		
E-2720	5	1	Camshaft Lock Ring		
E-564	6	4	Camshaft Spacer Washer		
E-656	7	1	Camshaft "D" Washer		
E-719	8	2	Camshaft Spacer Washer		
E-801	9	1	Lock Ring		

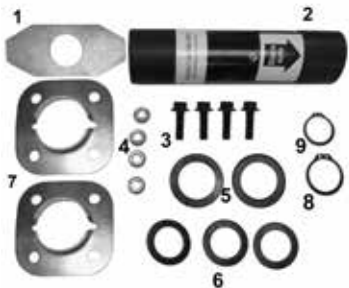
E-11819 FOR 16-1/2" DIA. CAM BRAKES					
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.	
E-1565	1	1	Washer	FOR EATON 16-1/2" BRAKE	
E-2405	2	1	Seal		
E-5137	3	1	Washer		
E-526	4	1	Ring		
E-801	5	1	Washer		
E-580	6	8	Washer		



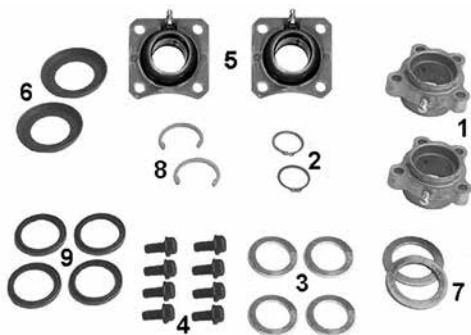
E-11897 FOR 16-1/2" DIA. CAM BRAKES					
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.	
NSS*	1	1	Outer Cam Washer	FOR HENDRICKSON INTRAAX® 16-1/2 IN. BRAKE Replaces Hendrickson S-26348. Includes cam tube. Services one wheel end.	
NSS*	2	1	Cam Tube Assembly		
NSS*	3	4	Capscrew		
NSS*	4	4	Flanged Head Lock Nut		
NSS*	5	2	Journal Washer		
NSS*	6	3	Spline Inner Washer		
NSS*	7	2	Cam Tube Bracket		
NSS*	8	1	Snap Ring		
NSS*	9	1	Snap Ring		



E-11897HD FOR 16-1/2" DIA. CAM BRAKES					
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.	
NSS*	1	1	Outer Cam Washer	FOR HENDRICKSON INTRAAX® 16-1/2 IN. BRAKE Replaces Hendrickson S-26348. Includes cam tube. Services one wheel end. The tube is knurled on both end to help eliminate the rotation issue the happens to the tube where the spider opening has wear.	
NSS*	2	1	Cam Tube Assembly		
NSS*	3	4	Capscrew		
NSS*	4	4	Flanged Head Lock Nut		
NSS*	5	2	Journal Washer		
NSS*	6	3	Spline Inner Washer		
NSS*	7	2	Cam Tube Bracket		
NSS*	8	1	Snap Ring		
NSS*	9	1	Snap Ring		



E-11977 FOR 16-1/2" DIA. CAM BRAKES					
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.	
E-11952	1	2	Retainer Bushing	FOR HENDRICKSON INTRAAX® 16-1/2 IN. BRAKE Services 2 brakes. Use with fabricated spiders. Trailer axle cam with bolt-on bushings.	
E-801	2	2	Snap Ring		
E-1113	3	4	Washer		
NSS*	4	8	Self-Tap Screw		
E-1318A	5	2	Retainer		
E-6077	6	2	Outer Washer		
E-9072	7	2	Washer - Flat		
E-9077	8	2	Snap Ring		
E-2405	9	4	Seal		

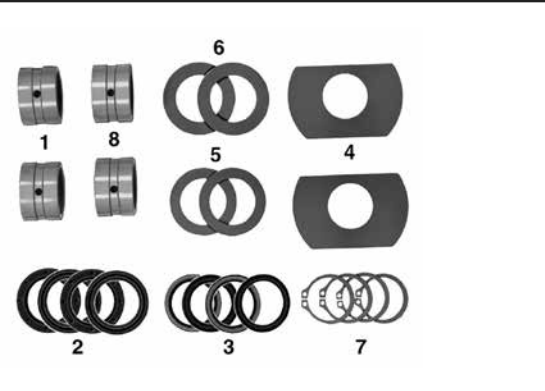


*Not Sold Separately

E-1357A FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-943	1	2	Bushing Assy. (2 pc)	FOR EARLY MODEL MERITOR P SERIES For later Model Axles Using E-1318B Bushing Assembly Use Kit E-2679B Contains Lock Rings for Camshafts with narrow or wide grooves.
E-535	2	2	Camshaft Bushing		
E-580	3	4	Camshaft Spacer Washer		
E-581	4	2	Camshaft Spacer Washer		
E-656	5	2	Camshaft "D" Washer		
E-526	6	4	Camshaft Lock Ring		
E-4736	7	2	Camshaft Lock Ring		

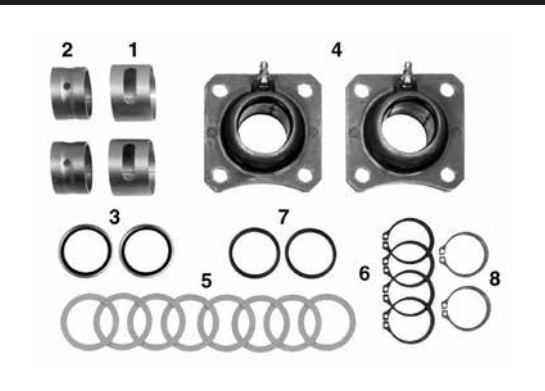
E-2087 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-536	1	2	Camshaft Bushing	FOR ALL EARLY MODEL STANDARD FORGE and KERSHAW AXLES
E-654	2	4	Camshaft Seal		
E-1416A	3	4	Camshaft Seal		
E-656	4	2	Camshaft "D" Washer		
E-719	5	2	Camshaft Spacer Washer		
E-580	6	2	Camshaft Spacer Washer		
E-526	7	4	Camshaft Lock Ring		
E-759	8	2	Camshaft Spider Bushing		

E-2087-2 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-536	1	1	Camshaft Bushing	FOR ALL EARLY MODEL STANDARD FORGE and KERSHAW AXLES
E-654	2	2	Camshaft Seal		
E-1416A	3	2	Camshaft Seal	Half kit includes exactly half of Kit E-2087 for one wheel end.	
E-656	4	1	Camshaft "D" Washer		
E-719	5	1	Camshaft Spacer Washer		
E-580	6	1	Camshaft Spacer Washer		
E-526	7	2	Camshaft Lock Ring		
E-759	8	1	Camshaft Spider Bushing		

E-2088A FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-2380	1	2	Camshaft Outer Bushing	FOR LATE MODEL MERITOR P SERIES TRAILER BRAKES With 1-1/2" Dia. Camshafts. Contains Lock Rings for Camshafts with narrow or wide grooves.
E-1271	2	2	Camshaft Inner Bushing		
E-1272	3	2	Camshaft Seal		
E-1318A	4	2	Camshaft Support Bracket		
E-564	5	8	Camshaft Spacer Washer		
E-526	6	4	Camshaft Lock Ring		
E-1416	7	2	Camshaft Seal		
E-4736	8	2	Camshaft Lock Ring		

*Not Sold Separately

CAMSHAFTS

E-2088AHD FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-2380	1	2	Camshaft Outer Bushing	FOR LATE MODEL MERITOR P SERIES TRAILER BRAKES With 1-1/2" Dia. Camshafts. Contains Lock Rings for Camshafts with narrow or wide grooves. Contains E-1318AHD Heavy-Duty Support Assembly.
E-1271	2	2	Camshaft Inner Bushing	
E-1272	3	2	Camshaft Seal	
E-1318AHD	4	2	Camshaft Support Bracket	
E-564	5	8	Camshaft Spacer Washer	
E-526	6	4	Camshaft Lock Ring	
E-1416	7	2	Camshaft Seal	
E-4736	8	2	Camshaft Lock Ring	

E-2088AHD-2 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-2380	1	1	Camshaft Outer Bushing	FOR LATE MODEL MERITOR P SERIES TRAILER BRAKES With 1-1/2" Dia. Camshafts. Contains Lock Rings for Camshafts with narrow or wide grooves. Contains E-1318AHD Heavy-Duty Support Assembly. Half kit includes exactly half of Kit E-2088AHD for one wheel end.
E-1271	2	1	Camshaft Inner Bushing	
E-1272	3	1	Camshaft Seal	
E-1318AHD	4	1	Camshaft Support Bracket	
E-564	5	4	Camshaft Spacer Washer	
E-526	6	2	Camshaft Lock Ring	
E-1416	7	1	Camshaft Seal	
E-4736	8	1	Camshaft Lock Ring	

E-2089 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-536	1	2	Camshaft Bushing	FOR EARLY MODEL EATON (SHULER) 5" ROUND AXLE (Bolt-On Spiders)
E-1385	2	2	Camshaft Bushing	
E-654	3	4	Camshaft Seal	
E-580	4	8	Camshaft Spacer Washer	
E-656	5	2	Camshaft "D" Washer	
E-1569	6	2	Camshaft Lock Ring	
E-526	7	2	Camshaft Lock Ring	

E-2090 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-1567	1	4	Camshaft Spider Bushing	FOR LATE MODEL FRUEHAUF PRO-PAR® AXLES WITH 16-1/2" BRAKES Also used on 12-1/4" Brakes
E-1577A	2	2	Camshaft Bushing	
E-580	3	2	Camshaft Spacer Washer	
E-1565	4	6	Camshaft Spacer Washer	
E-1569	5	2	Camshaft Lock Ring	
E-526	6	2	Camshaft Lock Ring	
E-801	7	2	Lock Ring	

E-2090-2 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-1567	1	2	Camshaft Spider Bushing	FOR LATE MODEL FRUEHAUF PRO-PAR® AXLES WITH 16-1/2" BRAKES Also used on 12-1/4" Brakes. Half kit includes exactly half of Kit E-2090 for one wheel end.
	E-1577A	2	1	Camshaft Bushing	
	E-580	3	1	Camshaft Spacer Washer	
	E-1565	4	3	Camshaft Spacer Washer	
	E-1569	5	1	Camshaft Lock Ring	
	E-526	6	1	Camshaft Lock Ring	
	E-801	7	1	Lock Ring	

E-2122 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-1567	1	4	Camshaft Spider Bushing	FOR EARLY MODEL FRUEHAUF PRO-PAR® AXLES
	E-1571	2	2	Camshaft Bushing	
	E-580	3	2	Camshaft Spacer Washer	
	E-1565	4	6	Camshaft Spacer Washer	
	E-1569	5	2	Camshaft Lock Ring	
	E-526	6	2	Camshaft Lock Ring	
	E-801	7	2	Lock Ring	

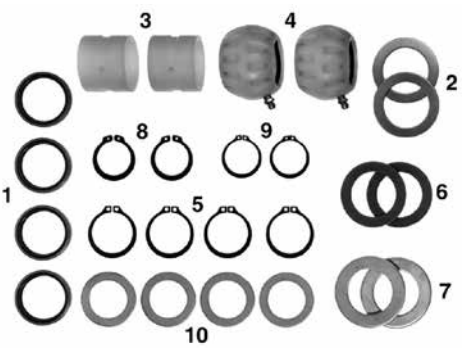
E-2122-2 FOR 16-1/2" DIA. CAM BRAKES

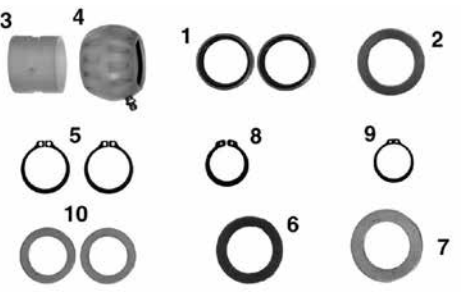
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-1567	1	2	Camshaft Spider Bushing	FOR EARLY MODEL FRUEHAUF PRO-PAR® AXLES Half kit includes exactly half of Kit E-2122 for one wheel end.
	E-1571	2	1	Camshaft Bushing	
	E-580	3	1	Camshaft Spacer Washer	
	E-1565	4	3	Camshaft Spacer Washer	
	E-1569	5	1	Camshaft Lock Ring	
	E-526	6	1	Camshaft Lock Ring	
	E-801	7	1	Lock Ring	

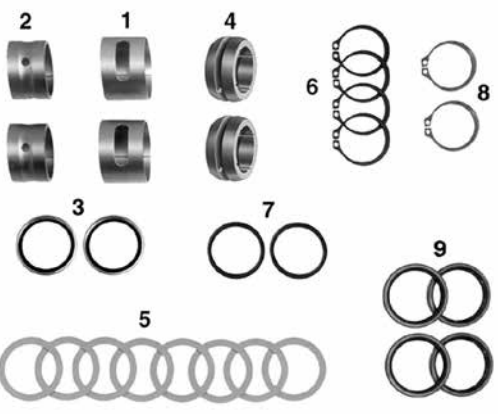
E-2123 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-536	1	2	Camshaft Bushing	FOR EATON (SHULER) 22L and 23L 5" SQUARE AXLE Also Late Model "C" Series 5" Round Axles
	E-1385	2	2	Camshaft Bushing	
	E-1416	3	4	Camshaft Seal	
	E-580	4	8	Camshaft Spacer Washer	
	E-1569	5	2	Camshaft Lock Ring	
	E-526	6	2	Camshaft Lock Ring	


CAMSHAFTS

E-2287 FOR 16-1/2" DIA. CAM BRAKES					
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-1416A	1	4	Camshaft Seal	FOR SPICER and STANDARD FORGE LATE MODEL A-17S, A-19S, A22-S AXLES With Weld-on Spiders
	E-719	2	2	Camshaft Spacer Washer	
	E-759	3	2	Camshaft Spider Bushing	
	E-2102	4	2	Camshaft Bushing	
	E-526	5	4	Camshaft Lock Ring	
	E-2409	6	2	Camshaft Spacer Washer	
	E-580	7	2	Camshaft Spacer Washer	
	E-5093	8	2	Camshaft Lock Ring	
	E-801	9	2	Lock Ring	
	E-1113	10	4	Washer	

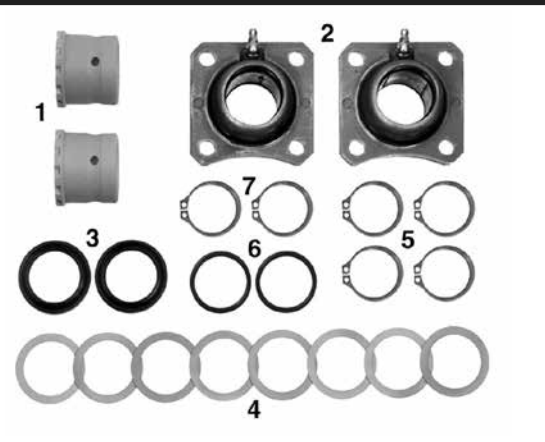
E-2287-2 FOR 16-1/2" DIA. CAM BRAKES					
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-1416A	1	2	Camshaft Seal	FOR SPICER and STANDARD FORGE LATE MODEL A-17S, A-19S, A22-S AXLES With Weld-on Spiders. Half kit includes exactly half of Kit E-2287 for one wheel end.
	E-719	2	1	Camshaft Spacer Washer	
	E-759	3	1	Camshaft Spider Bushing	
	E-2102	4	1	Camshaft Bushing	
	E-526	5	2	Camshaft Lock Ring	
	E-2409	6	1	Camshaft Spacer Washer	
	E-580	7	1	Camshaft Spacer Washer	
	E-5093	8	1	Camshaft Lock Ring	
	E-801	9	1	Lock Ring	
E-1113	10	2	Washer		

E-2363 FOR 16-1/2" DIA. CAM BRAKES					
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-2380	1	2	Camshaft Outer Bushing	FOR LATE MODEL MERITOR P SERIES TRAILER BRAKES With 1-1/2" Dia. Camshafts. Contains Lock Rings for Camshafts with narrow or wide grooves.
	E-1271	2	2	Camshaft Inner Bushing	
	E-1272	3	2	Camshaft Seal	
	E-2361	4	2	Camshaft Bushing	
	E-564	5	8	Camshaft Spacer Washer	
	E-526	6	4	Camshaft Lock Ring	
	E-1416	7	2	Camshaft Seal	
	E-4736	8	2	Camshaft Lock Ring	
E-1314	9	4	Camshaft Seal		

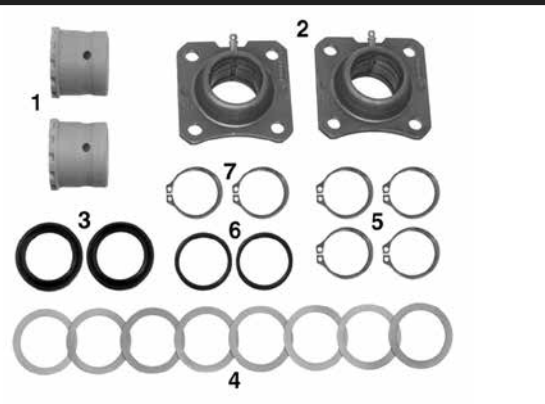
E-2382 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
		E-564	1	2	Camshaft Spacer Washer
	E-2361	2	2	Camshaft Bushing	
	E-801	3	2	Lock Ring	
	E-2405	4	2	Camshaft Seal	
	E-2406	5	2	Camshaft Seal	
	E-2407	6	2	Camshaft Outer Bushing	
	E-2408	7	2	Camshaft Inner Bushing	
	E-1569	8	2	Camshaft Lock Ring	
	E-1113	9	2	Washer	
	E-2411A	10	4	Camshaft Spacer Washer	
	E-5093	11	2	Camshaft Lock Ring	
	E-1314	12	4	Camshaft Seal	

E-2679A FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
		E-2551	1	2	Camshaft Bushing
	E-1318A	2	2	Camshaft Support Bracket	
	E-1272	3	2	Camshaft Seal	
	E-564	4	8	Camshaft Spacer Washer	
	E-526	5	4	Camshaft Lock Ring	
	E-654	6	2	Camshaft Seal	
	E-4736	7	2	Camshaft Lock Ring	

E-2679AHD FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
		E-2551	1	2	Camshaft Bushing
	E-1318AHD	2	2	Camshaft Support Bracket	
	E-1272	3	2	Camshaft Seal	
	E-564	4	8	Camshaft Spacer Washer	
	E-526	5	4	Camshaft Lock Ring	
	E-654	6	2	Camshaft Seal	
	E-4736	7	2	Camshaft Lock Ring	

E-2680 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-807	1	2	Bronze Camshaft Bushing	FOR SPICER (DANA) AXLE With Spherical Cam Bushings
E-1416	2	4	Camshaft Seal	
E-656	3	2	Camshaft "D" Washer	
E-719	4	2	Camshaft Spacer Washer	
E-580	5	2	Camshaft Spacer Washer	
E-526	6	4	Camshaft Lock Ring	
E-2517	7	2	Camshaft Bushing	
E-1314	8	4	Camshaft Seal	
E-5093	9	2	Camshaft Lock Ring	

E-2680-2 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-807	1	1	Bronze Camshaft Bushing	FOR SPICER (DANA) AXLE With Spherical Cam Bushings. Half kit includes exactly half of Kit E-2680 for one wheel end.
E-1416	2	2	Camshaft Seal	
E-656	3	1	Camshaft "D" Washer	
E-719	4	1	Camshaft Spacer Washer	
E-580	5	1	Camshaft Spacer Washer	
E-526	6	2	Camshaft Lock Ring	
E-2517	7	1	Camshaft Bushing	
E-1314	8	2	Camshaft Seal	
E-5093	9	1	Camshaft Lock Ring	

E-2696A FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-2695	1	2	Camshaft Bushing	FOR LATE MODEL EATON TRAILER AXLE With 501 Series Brakes and ES Brakes with Long Life Cam Support Bushings
E-1565	2	4	Camshaft Spacer Washer	
E-580	3	4	Camshaft Spacer Washer	
E-2405	4	4	Camshaft Seal	
E-2690A	5	2	Camshaft Bushing	
E-1569	6	2	Camshaft Lock Ring	
E-526	7	2	Camshaft Lock Ring	
E-801	8	2	Lock Ring	
E-5137	9	2	Camshaft Spacer Washer	

E-2696A-2 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-2695	1	1	Camshaft Bushing	<p>FOR LATE MODEL EATON TRAILER AXLE</p> <p>With 501 Series Brakes and ES Brakes with Long Life Cam Support Bushings. Half kit includes exactly half of Kit E-2696A for one wheel end.</p>
E-1565	2	2	Camshaft Spacer Washer	
E-580	3	2	Camshaft Spacer Washer	
E-2405	4	2	Camshaft Seal	
E-2690A	5	1	Camshaft Bushing	
E-1569	6	1	Camshaft Lock Ring	
E-526	7	1	Camshaft Lock Ring	
E-801	8	1	Lock Ring	
E-5137	9	1	Camshaft Spacer Washer	

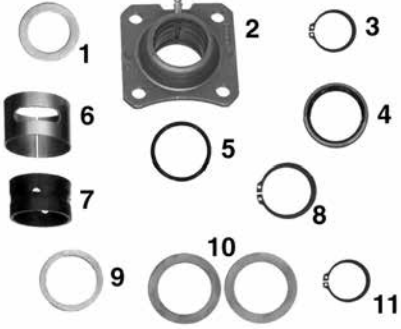
E-3520A FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-564	1	2	Camshaft Spacer Washer	<p>FOR LATE MODEL MERITOR 4000-6000 SERIES TRAILER AXLES</p> <p>With 1-5/8" Dia. Camshafts. Also used for 12-1/4" Q Brakes. Contains Lock Rings for Camshafts with narrow or wide grooves.</p>
E-1318A	2	2	Camshaft Support Bracket	
E-801	3	2	Lock Ring	
E-2405	4	2	Camshaft Seal	
E-2406	5	2	Camshaft Seal	
E-2407	6	2	Camshaft Outer Bushing	
E-2408	7	2	Camshaft Inner Bushing	
E-1569	8	2	Camshaft Lock Ring	
E-1113	9	2	Washer	
E-2411A	10	4	Camshaft Spacer Washer	
E-5093	11	2	Camshaft Lock Ring	

E-3520A-2 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-564	1	1	Camshaft Spacer Washer	<p>FOR LATE MODEL MERITOR 4000-6000 SERIES TRAILER AXLES</p> <p>With 1-5/8" Dia. Camshafts. Also used for 12-1/4" Q Brakes. Contains Lock Rings for Camshafts with narrow or wide grooves. Half kit includes exactly half of Kit E-3520A for one wheel end.</p>
E-1318A	2	1	Camshaft Support Bracket	
E-801	3	1	Lock Ring	
E-2405	4	1	Camshaft Seal	
E-2406	5	1	Camshaft Seal	
E-2407	6	1	Camshaft Outer Bushing	
E-2408	7	1	Camshaft Inner Bushing	
E-1569	8	1	Camshaft Lock Ring	
E-1113	9	1	Washer	
E-2411A	10	2	Camshaft Spacer Washer	
E-5093	11	1	Camshaft Lock Ring	

E-3520AHD FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-564	1	2	Camshaft Spacer Washer	FOR LATE MODEL MERITOR 4000-6000 SERIES TRAILER AXLES With 1-5/8" Dia. Camshafts. Also used for 12-1/4" Q Brakes. Contains Lock Rings for Camshafts with narrow or wide grooves. Same as E-3520A except contains E-1318AHD Heavy-Duty Support Assembly.
E-1318AHD	2	2	Camshaft Support Bracket		
E-801	3	2	Lock Ring		
E-2405	4	2	Camshaft Seal		
E-2406	5	2	Camshaft Seal		
E-2407	6	2	Camshaft Outer Bushing		
E-2408	7	2	Camshaft Inner Bushing		
E-1569	8	2	Camshaft Lock Ring		
E-1113	9	2	Washer		
E-2411A	10	4	Camshaft Spacer Washer		
E-5093	11	2	Camshaft Lock Ring		

E-3520AHD-2 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-564	1	1	Camshaft Spacer Washer	FOR LATE MODEL MERITOR 4000-6000 SERIES TRAILER AXLES With 1-5/8" Dia. Camshafts. Also used for 12-1/4" Q Brakes. Contains Lock Rings for Camshafts w/ narrow or wide grooves. Same as E-3520A-2 exc. contains E-1318AHD Heavy-Duty Support Assy. Half kit incl exactly half of Kit E-3520A for one wheel end
E-1318AHD	2	1	Camshaft Support Bracket		
E-801	3	1	Lock Ring		
E-2405	4	1	Camshaft Seal		
E-2406	5	1	Camshaft Seal		
E-2407	6	1	Camshaft Outer Bushing		
E-2408	7	1	Camshaft Inner Bushing		
E-1569	8	1	Camshaft Lock Ring		
E-1113	9	1	Washer		
E-2411A	10	2	Camshaft Spacer Washer		
E-5093	11	1	Camshaft Lock Ring		

E-3989AHD FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-2690A	1	2	Camshaft Bushing	FOR LATE MODEL MERITOR 4000-6000 SERIES TRAILER AXLES With 1-5/8" Dia. Camshafts. Alternate Kit for E-3520AHD. Contains Lock Rings for Camshafts with narrow or wide grooves. Contains E-1318AHD Heavy-Duty Support Assembly.
E-2411A	2	4	Camshaft Spacer Washer		
E-3991	3	4	Camshaft Seal		
E-1569	4	2	Camshaft Lock Ring		
E-564	5	2	Camshaft Spacer Washer		
E-1318AHD	6	2	Camshaft Support Bracket		
E-1113	7	2	Washer		
E-801	8	2	Lock Ring		
E-5093	9	2	Camshaft Lock Ring		

E-3989AHD-2 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-2690A	1	1	Camshaft Bushing	FOR LATE MODEL MERITOR 4000-6000 SERIES TRAILER AXLES With 1-5/8" Dia. Camshafts. Alternate Kit for E-3520AHD-2. Contains Lock Rings for Camshafts with narrow or wide grooves. Contains E-1318AHD Heavy-Duty Support Assy. Half kit contains exactly half of Kit E-3989AHD for one wheel end.
	E-2411A	2	2	Camshaft Spacer Washer	
	E-3991	3	2	Camshaft Seal	
	E-1569	4	1	Camshaft Lock Ring	
	E-564	5	1	Camshaft Spacer Washer	
	E-1318AHD	6	1	Camshaft Support Bracket	
	E-1113	7	1	Washer	
	E-801	8	1	Lock Ring	
	E-5093	9	1	Camshaft Lock Ring	

E-5094A FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-5093	1	2	Camshaft Lock Ring	FOR MACK WITH MERITOR Q BRAKE WITH 50,000 LB. REAR AXLE Contains New Style E-5512 Moly-impregnated Spider Bushing.
	E-1113	2	2	Washer	
	E-5095	3	2	Camshaft Spacer Washer	
	E-654	4	4	Camshaft Seal	
	E-5512	5	4	Camshaft Bushing	
E-3859	6	2	Camshaft Seal		

E-5513 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-5512	1	4	Camshaft Bushing	FOR MERITOR DRIVE AXLES WITH 16-1/2" Q or Q+ BRAKES Services two camshaft tube enclosures
E-654	2	4	Camshaft Seal		

E-6078 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-6076	1	1	Camshaft Bushing	FOR MERITOR TRAILER AXLES WITH FABRICATED SPIDERS Services one spider
	E-6077	2	1	Camshaft Washer	
	E-2405	3	2	Camshaft Seal	
	NSS*	4	4	Screw	
	E-9077	5	1	Camshaft Lock Ring	
E-9072	6	1	Camshaft Spacer Washer		

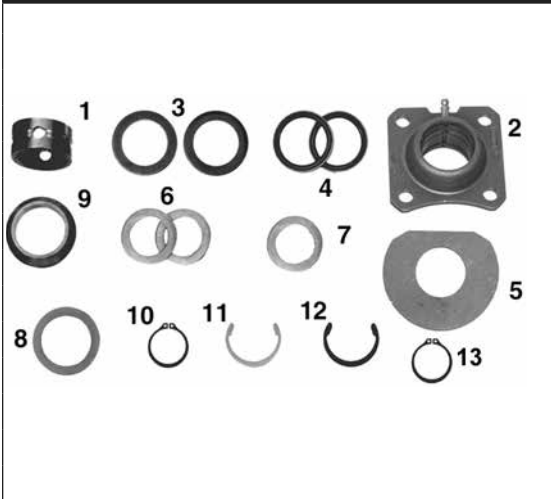
E-9053 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-536	1	2	Camshaft Bushing	FOR EATON ES SEVERE SERVICE DRIVE AXLE BRAKES
E-667	2	2	Bronze Camshaft Bushing	
E-1416	3	4	Camshaft Seal	
E-580	4	4	Camshaft Spacer Washer	
E-1781	5	2	Camshaft Spacer Washer	
E-1782	6	2	Camshaft Spacer Washer	
E-3234	7	2	Camshaft Snap Ring	

E-9078 FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-6080	1	2	Camshaft Bushing	FOR MERITOR Q AND Q+ TRAILER AXLE BRAKES WITH PRESS-IN POWDERED METAL SPIDER BUSHING Contains enough parts to service Forged or Fabricated Brake Spiders and Camshafts with either 1-25/32" or 2-5/64" Camshaft Journal.
E-1318A	2	2	Camshaft Support Bracket	
E-2405	3	4	Camshaft Seal	
E-2411A	4	4	Camshaft Spacer Washer	
E-9073	5	2	Camshaft Head Washer	
E-1113	6	4	Washer	
E-564	7	2	Camshaft Spacer Washer	
E-9074	8	2	Camshaft Spacer Washer	
E-9075	9	2	Camshaft Spacer Washer	
E-5093	10	2	Camshaft Lock Ring	
E-1569	11	2	Camshaft Lock Ring	
E-9077	12	2	Camshaft Lock Ring	
E-801	13	2	Lock Ring	

E-9078HD FOR 16-1/2" DIA. CAM BRAKES				
EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-6080	1	2	Camshaft Bushing	FOR MERITOR Q AND Q+ TRAILER AXLE BRAKES WITH PRESS-IN POWDERED METAL SPIDER BUSHING Contains enough parts to service Forged or Fabricated Brake Spiders and Camshafts with either 1-25/32" or 2-5/64" Camshaft Journal. Contains E-1318AHD Heavy-Duty Support Assembly.
E-1318AHD	2	2	Camshaft Support Bracket	
E-2405	3	4	Camshaft Seal	
E-2411A	4	4	Camshaft Spacer Washer	
E-9073	5	2	Camshaft Head Washer	
E-1113	6	4	Washer	
E-564	7	2	Camshaft Spacer Washer	
E-9074	8	2	Camshaft Spacer Washer	
E-9075	9	2	Camshaft Spacer Washer	
E-5093	10	2	Camshaft Lock Ring	
E-1569	11	2	Camshaft Lock Ring	
E-9077	12	2	Camshaft Lock Ring	
E-801	13	2	Lock Ring	

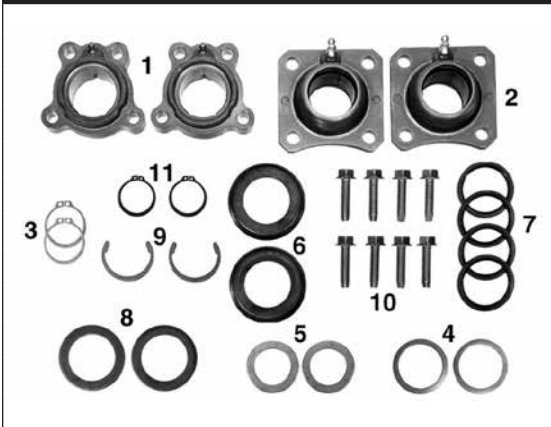
*Not Sold Separately

E-9078HD-2 FOR 16-1/2" DIA. CAM BRAKES



EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-6080	1	1	Camshaft Bushing	FOR MERITOR Q AND Q+ TRAILER AXLE BRAKES WITH PRESS-IN POWDERED METAL SPIDER BUSHING Contains enough parts to service Forged or Fabricated Brake Spiders and Camshafts with either 1-25/32" or 2-5/64" Camshaft Journal. Contains E-1318AHD Heavy-Duty Support Assembly. Half kit includes exactly half of KIT E-9078HD for one wheel end.
E-1318AHD	2	1	Camshaft Support Bracket	
E-2405	3	2	Camshaft Seal	
E-2411A	4	2	Camshaft Spacer Washer	
E-9073	5	1	Camshaft Head Washer	
E-1113	6	2	Washer	
E-564	7	1	Camshaft Spacer Washer	
E-9074	8	1	Camshaft Spacer Washer	
E-9075	9	1	Camshaft Spacer Washer	
E-5093	10	1	Camshaft Lock Ring	
E-1569	11	1	Camshaft Lock Ring	
E-9077	12	1	Camshaft Lock Ring	
E-801	13	1	Lock Ring	

E-9079 FOR 16-1/2" DIA. CAM BRAKES



EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-6076	1	2	Camshaft Bushing	FOR MERITOR Q AND Q+ TRAILER AXLE BRAKES WITH BOLT-ON POWDERED METAL SPIDER BUSHING ON FABRICATED SPIDERS
E-1318A	2	2	Camshaft Support Bracket	
E-5093	3	2	Camshaft Lock Ring	
E-1113	4	2	Washer	
E-564	5	2	Camshaft Spacer Washer	
E-6077	6	2	Camshaft Washer	
E-2405	7	4	Camshaft Seal	
E-9072	8	2	Camshaft Spacer Washer	
E-9077	9	2	Camshaft Lock Ring	
NSS*	10	8	Screw	
E-801	11	2	Lock Ring	

E-9079HD FOR 16-1/2" DIA. CAM BRAKES



EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
E-6076	1	2	Camshaft Bushing	FOR MERITOR Q AND Q+ TRAILER AXLE BRAKES WITH BOLT-ON POWDERED METAL SPIDER BUSHING ON FABRICATED SPIDERS Contains E-1318AHD Heavy-Duty Support Assembly.
E-1318AHD	2	2	Camshaft Support Bracket	
E-5093	3	2	Camshaft Lock Ring	
E-1113	4	2	Washer	
E-564	5	2	Camshaft Spacer Washer	
E-6077	6	2	Camshaft Washer	
E-2405	7	4	Camshaft Seal	
E-9072	8	2	Camshaft Spacer Washer	
E-9077	9	2	Camshaft Lock Ring	
NSS*	10	8	Screw	
E-801	11	2	Lock Ring	

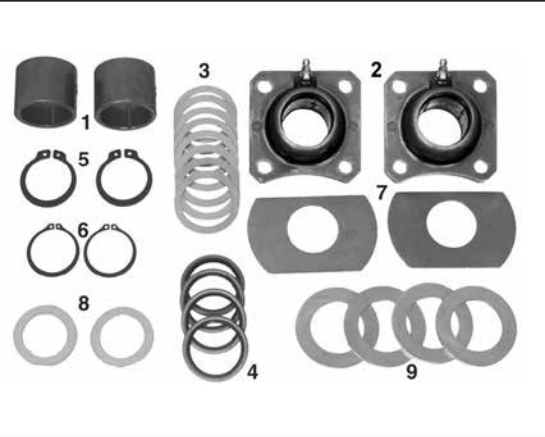
E-9079HD-2 FOR 16-1/2" DIA. CAM BRAKES					
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO. FOR MERITOR Q AND Q+ TRAILER AXLE BRAKES WITH BOLT-ON POWDERED METAL SPIDER BUSHING ON FABRICATED SPIDERS Contains E-1318AHD Heavy-Duty Support Assembly. Half kit includes exactly half of Kit E-9079HD for one wheel end.
	E-6076	1	1	Camshaft Bushing	
	E-1318AHD	2	1	Camshaft Support Bracket	
	E-5093	3	1	Camshaft Lock Ring	
	E-1113	4	1	Washer	
	E-564	5	1	Camshaft Spacer Washer	
	E-6077	6	1	Camshaft Washer	
	E-2405	7	2	Camshaft Seal	
	E-9072	8	1	Camshaft Spacer Washer	
	E-9077	9	1	Camshaft Lock Ring	
	NSS*	10	4	Screw	
	E-801	11	1	Lock Ring	

E-9080 FOR 16-1/2" DIA. CAM BRAKES					
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO. FOR MERITOR P and Q DRIVE AXLE BRAKES WITH 2-1/2" SPIDER OFFSET Contains New Style E-5512 Moly-impregnated Spider Bushing. Contains Lock Rings for Camshafts with narrow or wide grooves. Commonly found on Mack Trucks.
	E-5512	1	4	Camshaft Bushing	
	E-654	2	4	Camshaft Seal	
	E-9071	3	2	Camshaft Head Washer	
	E-580	4	2	Camshaft Spacer Washer	
	E-581	5	2	Camshaft Spacer Washer	
	E-526	6	4	Camshaft Lock Ring	
	E-4736	7	2	Camshaft Lock Ring	
	E-3859	8	2	Camshaft Seal	

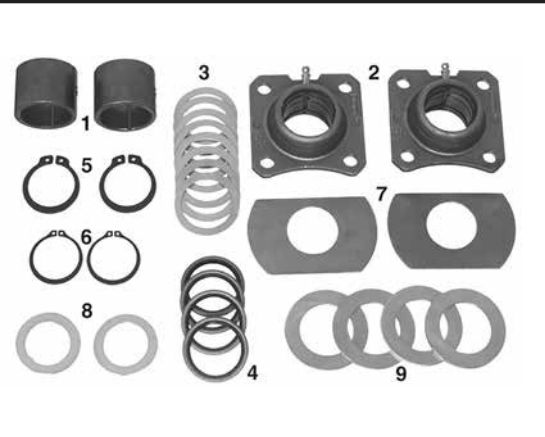
E-9790A-2 FOR 16-1/2" DIA. CAM BRAKES					
	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO. FOR SPICER (DANA) 16-1/2" BRAKE WITH 1-5/8" CAM JOURNAL Half kit includes exactly half of Kit E-9790A for one wheel end.
	E-9789	1	1	Camshaft Bushing	
	E-9792A	2	1	Camshaft Bushing	
	E-2405	3	2	Camshaft Seal	
	E-1569	4	1	Camshaft Lock Ring	
	E-801	5	1	Lock Ring	
	E-10800	6	1	Cam Washer	
	E-580	7	1	Camshaft Spacer Washer	
	E-1113	8	2	Washer	
	E-10801	9	1	Cam Washer	

*Not Sold Separately

E-9791 FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-807	1	2	Bronze Camshaft Bushing	FOR HENDRICKSON INTRAAX® 16-1/2" BRAKE 1-7/8" bushing and seal O.D.
	E-1318A	2	2	Camshaft Support Bracket	
	E-564	3	8	Camshaft Spacer Washer	
	E-1416	4	4	Camshaft Seal	
	E-801	5	2	Lock Ring	
	E-2720	6	2	Camshaft Lock Ring	
	E-656	7	2	Camshaft "D" Washer	
	E-1113	8	2	Washer	
	E-719	9	4	Camshaft Spacer Washer	







E-9791HD FOR 16-1/2" DIA. CAM BRAKES

	EUCLID NO.	ITEM	QTY.	DESCRIPTION	APPLICATION & GENERAL INFO.
	E-807	1	2	Bronze Camshaft Bushing	FOR HENDRICKSON INTRAAX® 16-1/2" BRAKE Contains E-1318AHD Heavy-Duty Support Assembly. 1-7/8" bushing and seal O.D.
	E-1318AHD	2	2	Camshaft Support Bracket	
	E-564	3	8	Camshaft Spacer Washer	
	E-1416	4	4	Camshaft Seal	
	E-801	5	2	Lock Ring	
	E-2720	6	2	Camshaft Lock Ring	
	E-656	7	2	Camshaft "D" Washer	
	E-1113	8	2	Washer	
	E-719	9	4	Camshaft Spacer Washer	

CAMSHAFTS

CAMSHAFT SUPPORT BRACKETS

Brake and
Wheel End

	EUCLID NO.	LOCATION	GENERAL INFORMATION
	E-11445	Left Hand	CAMSHAFT SUPPORT BUSHING ASSEMBLY WITH GREASABLE BUSHING
	E-11446	Right Hand	CAMSHAFT SUPPORT BUSHING ASSEMBLY WITH GREASABLE BUSHING
	E-1319A		FOR MERITOR PAYMASTER AXLE RL and RN MODELS and LATE MODEL TK, TKL, TKD Use with E-1318A or E-1318AHD. Includes mounting screws.
	E-2103		FOR SPICER AND STD. FORGE 12-1/4" DIA. BRAKES Includes: E-2102 Bushing
	E-2104		FOR SPICER AND STD. FORGE 16-1/2" DIA. BRAKES Includes: E-2102 Bushing. For Retainer Plates only, order E-2365
	E-2477B		FOR MERITOR 5" ROUND AXLES WITH 16-1/2" DIA. BRAKES Use with E-1318A or E-1318AHD. Includes mounting screws.

CAMSHAFTS

CAMSHAFT SUPPORT BRACKETS

	EUCLID NO.	LOCATION	GENERAL INFORMATION
	E-603		<p>FOR EARLY MODEL MERITOR AXLES</p> <p>Use with E-535 Nylon Bushing</p>
	E-9785A	Left Hand	<p>FOR SPICER (DANA) 5" ROUND AXLE WITH 12-1/4" DIA. BRAKES</p> <p>Equipped with Zerk Fitting</p>
	E-9786A	Right Hand	<p>FOR SPICER (DANA) 5" ROUND AXLE WITH 12-1/4" DIA. BRAKES</p> <p>Equipped with Zerk Fitting</p>
	E-9787A	Left Hand	<p>FOR SPICER (DANA) 5" ROUND AXLE WITH 16-1/2" DIA. BRAKES</p> <p>Equipped with Zerk Fitting</p>
	E-9788A	Right Hand	<p>FOR SPICER (DANA) 5" ROUND AXLE WITH 16-1/2" DIA. BRAKES</p> <p>Equipped with Zerk Fitting</p>

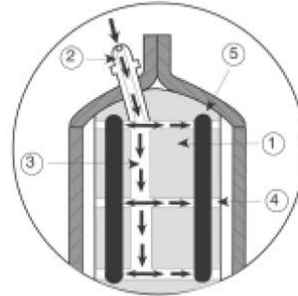
CAMSHAFTS

Recommended Replacement for Euclid E-1318A

- ✓ **ADVANCED DESIGN — FOR EXTENDED LIFE BRAKES**
- ✓ **EXTENDS CAMSHAFT LENGTH OF SERVICE!**
- ✓ **EUCLID ENGINEERED — PATENT**

E-1318AHD

"Heavy-Duty" — Long Life





KEY	FEATURE	BENEFIT
1	Bushing is made from molybdenum disulfide impregnated material.	Holds grease better, longer and provides a surface that has greater lubricity.
2	Grease fitting extends directly to inside diameter of the bushing.	Positive greasing action! Grease flows directly to camshaft surface. Only two pumps with a grease gun lubricate this bushing.
3	Wide grease-following groove around the inside diameter of the bushing.	Carries grease completely around the camshaft surface. Camshaft journals do not run "dry", extending camshaft life.
4	Lateral grooves help distribute grease.	Positive greasing action.
5	O-rings installed in grooves inside the bushing.	Seals grease in and contaminants out! Entire assembly lasts longer. Lowers costs and downtime.



	EUCLID NO.	APPLICATION
	E-1318A	Original OEM style Bushing Assembly. Replacement Bushing is E-2361


CAMSHAFTS

CAMSHAFT SUPPORT BRACKETS AND ASSEMBLIES

CAMSHAFTS

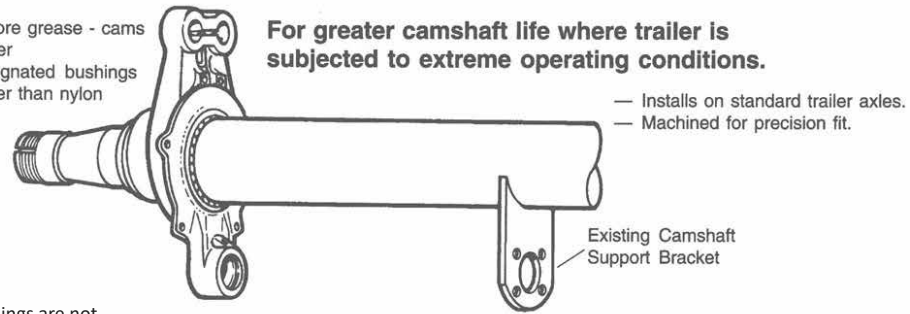
	EUCLID NO.	APPLICATION
	E-4586	For 16-1/2" Brakes. Used in E-4594 Bracket Assembly
	E-4587	For 16-1/2" and 12-1/4" Brakes. Sold as Set Only. Includes One of each Retainer Plate. Bushing not included.

	EUCLID NO.	APPLICATION	KIT INCLUDES
	E-4593	For 12-1/4" Brakes	Includes: 1 pc. E-4585 Bracket (not sold separately); 1 pc. E-4587 Plate Set; 1 pc. E-1577A Bushing
	E-4594	For 16-1/2" Brakes. Can Be Assembled as Right or Left	Includes: 1 pc. E-4586 Bracket; 1 pc. E-4587 Plate Set; 1 pc. E-1577A Bushing

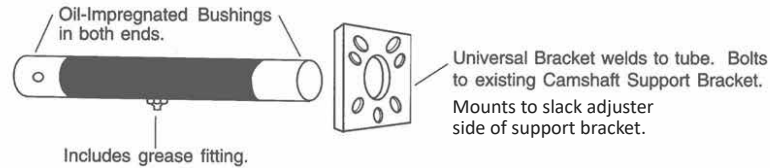
	EUCLID NO.	DESCRIPTION
	E-5476	Cam Support Bracket and Bushing for K-B Axle 16-1/2" from Flange to End of Bushing

- Holds more grease - cams last longer
- Oil-impregnated bushings last longer than nylon

For greater camshaft life where trailer is subjected to extreme operating conditions.



Note: Bushings are not replaceable.




TUBE ENCLOSURES



EUCLID NO.	SPIDER END I.D.	SUPPORT END I.D.	TUBE OAL	TUBE O.D.	CAM LENGTH	CAM APPLICATION
E-9591	1-1/2"	1-1/2"	14-3/4"	1-7/8"	17-5/16"	For Meritor, Dana axles
E-9593	1-1/2"	1-1/2"	16"	1-7/8"	18-5/8"	For Meritor, Dana, IMT- Eaton axles
E-4737A	1-1/2"	1-1/2"	17-3/4"	1-7/8"	20-3/8"	For standard 1-1/2" dia. camshaft
E-10934	1-1/2"	1-1/2"	18-1/4"	1-7/8"	21-1/2"	For Dana axles with 12-1/4" brake
E-9597	1-1/2"	1-1/2"	18-1/2"	1-7/8"	21-1/8"	For Dana axles with 12-1/4" brake
E-10932	1-1/2"	1-1/2"	19-5/16"	1-7/8"	22-1/16"	For Dana axles with 16-1/2" brake
E-10933	1-1/2"	1-1/2"	20-1/4"	1-7/8"	23-1/4"	For Dana axles with 12-1/4" brake
E-9596	1-1/2"	1-1/2"	20-1/2"	1-7/8"	23-1/4"	For Dana axles with 12-1/4" brake and air ride suspension
E-4738A	1-1/2"	1-1/2"	20.75"	1-7/8"	23-3/4"	For standard 1-1/2" dia. camshafts with air ride suspension
E-9594	1-1/2"	1-1/2"	21"	1-7/8"	23-3/4"	For Dana axles with Chalmers air ride
E-10936	1-1/2"	1-1/2"	23-1/2"	1-7/8"	26-1/2"	For Dana axles with 12-1/4" brake
E-9590	1-1/2"	1-1/2"	23-1/2"	1-7/8"	26-5/8"	For Standard Forge - IMT with air ride suspension
E-9592	1-1/2"	1-1/2"	23.52"	1-7/8"	26-1/4"	For Dana wide track axles with air ride suspension
E-10937	1-1/2"	1-1/2"	23-7/8"	1-7/8"	26-1/16"	For Dana axles with 16-1/2" brake
E-5242A	1-5/8"	1-1/2"	14-13/16"	2"	17-5/16"	For Meritor axles
E-9601	1-5/8"	1-1/2"	17"	2"	19-1/2"	For Eaton axles
E-10939	1-5/8"	1-1/2"	17-5/8"	2"	20-5/8"	For Dana axles with 16-1/2" brake
E-5243A	1-5/8"	1-1/2"	18"	2"	20-13/32"	For Meritor axles
E-10940	1-5/8"	1-1/2"	18-1/2"	2"	21-1/2"	For Dana axles with 12-1/4" brake and 1-5/8" journal dia. at head
E-10942	1-5/8"	1-1/2"	20-1/4"	2"	23-1/4"	For Dana axles with 12-1/4" brake and 1-5/8" journal dia. at head
E-10943	1-5/8"	1-1/2"	20-5/8"	2"	23-5/8"	For Dana axles with 16-1/2" brake
E-9602	1-5/8"	1-1/2"	21"	2"	23-3/4"	For Eaton axles with air ride suspension
E-10944	1-5/8"	1-1/2"	21"	2"	24"	For Dana axles with 16-1/2" brake
E-5244A	1-5/8"	1-1/2"	21.75"	2"	24-1/16"	For Meritor axles
E-10945	1-5/8"	1-1/2"	23-1/2"	2"	26-1/2"	For Dana axles with 12-1/4" brake and 1-5/8" journal dia. at head
E-4934A	1-5/8"	1-5/8"	13-3/4"	2"	16-1/8"	For Fruehauf axles
E-5241A	1-5/8"	1-5/8"	19"	2"	21-1/8"	For Fruehauf axles with air ride suspension
E-5240A	1-5/8"	1-5/8"	21-1/8"	2"	23-7/8"	For Fruehauf axles with air ride suspension
E-9600	1-7/8"	1-1/2"	13-5/8"	2"	17-5/16"	For Meritor axles with fabricated spiders and bolt-on bushings
E-9598	1-7/8"	1-1/2"	16-3/4"	2"	20-13/32"	For Meritor axles with fabricated spiders and bolt-on bushings
E-9599	1-7/8"	1-1/2"	20-1/2"	2"	24-1/16"	For Meritor axles with fabricated spiders and bolt-on bushings
E-11497	2"	1-1/2"	8 13/16"		11-1/16"	Fore INTRAAX® with 2" spider hole

CAMSHAFTS

SUPPORT BRACKET AND MOUNTING PLATES

	EUCLID NO.	GENERAL INFORMATION
	E-10946	Adapter plate with Haldex adjuster control arm slot for 1-7/8" O.D. cam tube
	E-10947	Adapter plate with Haldex adjuster control arm slot for 2" O.D. cam tube
	E-4739	Universal standard adapter for 1-7/8" O.D. cam tube enclosures
	E-4935	Standard adapter for Fruehauf Pro-Par®, 2" O.D. cam tube enclosures
	E-8906	Universal standard adapter for 2" O.D. cam tube enclosures

CAMSHAFT BUSHINGS

	EUCLID NO.	I.D.	O.D.	LENGTH	BUSHING TYPE	GENERAL INFORMATION
	E-3877	1-1/4"	1-5/8"	1-3/16"	Nylon	
	E-3447	1-1/4"	1-7/8"	1-5/32"	Nylon	For Meritor T Series.
	E-5127	1-1/4"	1-7/8"	1-5/16"	Nylon	For Eaton 15" x 4" Single Anchor Pin Front Brake.
	E-2551	1-1/2"	1-7/8" Tapered	1-23/32"	Nylon	
	E-662	1-1/2"	1-5/8"	1"	Steel	
	E-712	1-1/2"	1-5/8"	1-1/2"	Bronze	

CAMSHAFTS

CAMSHAFT BUSHINGS

Brake and
Wheel End

	EUCLID NO.	I.D.	O.D.	LENGTH	BUSHING TYPE	GENERAL INFORMATION
	E-1271	1-1/2"	1-3/4"	1-3/16"		Inner bushing for Meritor 5000 Series axles with 1-1/2" diameter camshafts.
 <p data-bbox="201 590 256 604">YELLOW</p> <p data-bbox="402 590 448 604">WHITE</p>	E-943	1-1/2"	1-7/8"			For early model Meritor 500 Series axles. YELLOW half is used on inboard side of spider. WHITE half is used on outboard side of spider. Split bushing. Sold only as a set.
	E-5512	1-1/2"	1-7/8"	1-3/16"	Nylon	
	E-11951	1-1/2"	1-7/8"	1-3/16"		For Meritor 15" and 16-1/2" LX/MX 500 Series Brakes.
	E-536	1-1/2"	1-7/8"	1-1/4"	Nylon	
	E-667	1-1/2"	1-7/8"	1-1/4"	Powder Metal	Powder Metal version of E-536 and E-1364.
	E-759	1-1/2"	1-7/8"	1-1/2"	Nylon	
	E-807	1-1/2"	1-7/8"	1-1/2"	Powder Metal	Powder Metal version of E-759 and E-1365.









CAMSHAFTS

CAMSHAFT BUSHINGS

	EUCLID NO.	I.D.	O.D.	LENGTH	BUSHING TYPE	GENERAL INFORMATION
	E-602	1-1/2"	1-7/8"	2"	Bronze	Bronze version of E-661.
	E-661	1-1/2"	1-7/8"	2"	Nylon	
	E-11449	1-1/2"	2"	1-1/2"		Bronze. For Hendrickson INTRAAX® 16-1/2" brake.
	E-2361	1-1/2"	2-1/8"	1"	Nylon	NOTE: For use in E-1318A Assembly Only. Do not use in E-1318AHD. Use E-1314 O-Ring on each side.
	E-2517	1-1/2"	2-15/32"	1-1/2"	Nylon	
	E-2102	1-1/2"	2-15/32"	1-3/4"	Nylon	
	E-9792A	1-1/2"	2-15/32"	1-3/4"	Nylon	Greaseless Nylatron version of E-2102.
	E-1385	1-1/2"	2-3/4"	2"	Molybdenum	
	E-2695	1-1/2"	2-3/4"	2-1/2"	Nylon	Eaton 501 Series. Includes 2 E-1416A Seals.



CAMSHAFT BUSHINGS

Brake and
Wheel End



	EUCLID NO.	I.D.	O.D.	LENGTH	BUSHING TYPE	GENERAL INFORMATION
	E-535	1-1/2"	2-3/4"	2-1/2"	Nylon	
	E-1577A	1-19/32"	2-1/2"	1-1/2"	Nylon	
	E-1571	1-19/32"	2-7/8"	2-1/2"		For Pro-Par® Axle
	E-1567	1-5/8"				NOTE: Uses 2 bushings per Spider.
	E-2408	1-5/8"	1-7/8"	1-1/8"		Inner bushing for Meritor 4000-6000 Series 121 axles with 1-5/8" diameter camshafts.
	E-6080	1-5/8"	2"	1"	Powdered metal	Powdered Metal Bushing for Meritor Axles with cast spiders.
	E-2690A	1-5/8"	2"	1-3/16"	Nylon	
	E-9789	1-5/8"	2"	1-1/2"	Bronze	

CAMSHAFTS


CAMSHAFT BUSHINGS

	EUCLID NO.	I.D.	O.D.	LENGTH	BUSHING TYPE	GENERAL INFORMATION
	E-2380	1-3/4"	1-7/8"	1-5/16"		Outer bushing for Meritor 5000 Series axles with 1-1/2" diameter camshafts.
	E-2407	1-7/8"	2"	1-5/16"		Outer bushing for Meritor 4000-6000 Series 121 axles with 1-5/8" diameter camshafts.

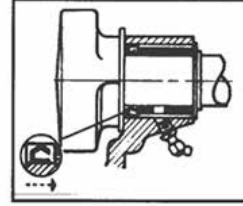
FOR MERITOR FABRICATED SPIDERS WITH BOLT-ON BUSHING OR WELD-ON BUSHING RETAINER

	EUCLID NO.	I.D.	LENGTH	
	E-11952	1-5/8"	1-13/16"	
	E-6076	1-5/8"	1-13/16"	

FOR MERITOR FABRICATED SPIDERS WITH BOLT-ON BUSHING OR WELD-ON BUSHING RETAINER

	EUCLID NO.	I.D.	O.D.	LENGTH	GENERAL INFORMATION
	E-9784	2"	2-3/8"	1-9/16"	For Retrofit on Bolt-on Bushing Spiders. Services one spider. For use with E-2670 bushing assembly or E-6080 powdered metal bushing.

CAMSHAFT SPIDER BUSHING ASSEMBLY
INSTALLATION INSTRUCTIONS








Sealing lip of grease seal should be turned toward
inside of spider housing at camshaft head.

EUCLID NO.	INCLUDES	QTY.	DESCRIPTION	GENERAL INFORMATION
E-2291	E-1416 E-2380 E-1271 E-1272	1 1 1 1	Camshaft Seal Camshaft Outer Bushing Camshaft Inner Bushing Camshaft Seal	For Meritor 5000 Series Axles with 1-1/2" Dia. Camshafts
E-2670	E-2405 E-2407 E-2408 E-2406	1 1 1 1	Camshaft Seal Camshaft Outer Bushing Camshaft Inner Bushing Camshaft Seal	Meritor 4000-6000 Series 121 Axles with 1-5/8" Dia. Camshafts

CAMSHAFTS







CAMSHAFT SEALS

CAMSHAFTS

	EUCLID NO.	I.D.	O.D.	THICK	APPLICATION
	E-3878	1-13/16"	1-3/4"	1/4"	For Meritor 15" x 4" Front Brakes
	E-1272	1-13/64"	1-3/4"	1/8"	For Pre-121 Meritor Axles. Use on inboard side of Spider
	E-5128	1-1/4"	1-7/8"	1/16"	For Eaton 15" x 4" Single Anchor Pin Front Brake
	E-3469	1-1/4"	2-1/16"	1/4"	For 1-1/4" Dia. Camshaft
	E-11451	1-1/2"	2"	3/16"	For Hendrickson INTRAAX® 16-1/2" brake.
	E-1416	1-1/2"	1-7/8"	3/16"	For 1-1/2" Dia. Camshafts. Use with Late Model Meritor and Std. Forge Weld-on Spiders
	E-1416A	1-1/2"	1-7/8"	1/4"	Same as E-1416 except 1/4" thick. Cannot be used on Late Model Meritor Axles
	E-1314	1-1/2"	1-29/32"	.21"	For 1-1/2" Dia. Camshaft. Use in E-1318AHD Assembly
	E-2717	1-1/2"	2"	3/16"	For Wagner Drive Axle Brake

CAMSHAFT SEALS

Brake and
Wheel End

	EUCLID NO.	I.D.	O.D.	THICK	APPLICATION
	E-654	1-1/2"	2-1/16"	1/4"	For 1-1/2" Dia. Camshaft
	E-10848	1-1/2"	2-19/32"	1/4"	For Type 1 Series Meritor Coach Brakes
	E-2406	1-5/8"	1-7/8"	1/8"	For Meritor 4000-6000 Series Axles. Use on inboard side of Spider
	E-3991	1-5/8"	2"	3/16"	For use with E-2690A Bushing in Meritor Trailer Axle Spiders
	E-2405	1-5/8"	2"	1/4"	For Meritor 4000-6000 Series Axles. Use on cam head side. For Eaton 501 Series Brake
	E-3859	1-7/8"	2-1/16"	1/8"	For outside diameter of Meritor Drive Axle Cam Tubes

CAMSHAFTS


CAMSHAFT SPACER WASHERS



EUCLID NO.	O.D.	I.D.	THICK	PLATING	GENERAL INFORMATION
E-10851	1-1/2"	17/32"	1/8"	Plated	Use with Meritor Coach 14-1/2"
E-2733	1-3/4"	1-1/4"	1/8"	Plated	For Wagner Front Axle Brake
E-5095	1-7/8"	1-1/4"	1/32"	None	Meritor/Mack Q Brakes
E-1113	1-7/8"	1-17/64"	1/16"	Plated	Anchor Pin Washer for Meritor 4000-6000 Series Axle Spline End
E-1781	2"	1-9/64"	1/32"	Plated	Used on Eaton Self-Contained Brake
E-1782	2"	1-9/64"	1/16"	Plated	Used on Eaton Self-Contained Brake
E-564	2"	1-17/32"	3/64"	Plated	Also used on Meritor RN/RL Series
E-5138	2-1/4"	1-1/4"	1/32"	Plated	Outer Shim Washer For Eaton 15" x 4" Single Anchor Pin Front Brakes
E-5137	2-1/4"	1-1/4"	1/16"	Plated	Inner Shim Washer For Eaton 15" x 4" Single Anchor Pin Front Brakes
E-10845	2-1/4"	1-15/32"	1/32"		Use with Meritor Coach 14-1/2"
E-581	2-1/4"	1-17/32"	1/32"	Plated	Used on all 1-1/2" dia. Camshafts
E-580	2-1/4"	1-17/32"	1/16"	Plated	Use on all 1-1/2" dia. Camshafts Including End Washer for Fruehauf Pro-Par® Camshaft
E-2409	2-1/4"	1-17/32"	3/32"	Plated	For Late Model Std. Forge 12-1/4" Brake and Wagner Front Axle Brake
E-9074	2-1/4"	1-5/8"	1/32"	None	16-1/2" Q+™ Brakes





CAMSHAFT SPACER WASHERS

Brake and
Wheel End

	EUCLID NO.	O.D.	I.D.	THICK	PLATING	GENERAL INFORMATION
	E-2411A	2-1/4"	1-5/8"	1/16"	Plated	For Meritor 4000-6000 Series Axle Cam End
	E-3476	2-3/8"	1-9/32"	1/8"	None	15" x 3-1/2" and 15" x 4" T-Series Type 2 Brakes
	E-3479	2-3/8"	1-1/2"	7/64"	Plated	Late Model Q Brake
	E-9072	2-3/8"	1-5/8"	3/32"	Plated	Inner Washer for E-6076 Bolt-on Bushing
	E-1565	2-3/8"	1-41/64"	1/16"	Plated	For Pro-Par® Axle
	E-3475	2-7/16"	1-9/32"	1/32"	None	15" x 3-1/2" and 15" x 4" T-Series Type 2 Brakes
	E-719	2-7/16"	1-9/16"	1/8"	Plated	Also used on Meritor and Shuler Axles
	E-10800	2-7/16"	1-11/16"	1/8"	None	
	E-3471	2-1/2"	1-5/16"	1/16"	None	15" x 3-1/2" and 15" x 4" T-Series Type 2 Brakes
	E-3472	2-3/4"	1-1/2"	1/8"	None	16-1/2" x 3" T-Series Brakes
	E-3473	3-1/8"	1-33/64"	1/16"	None	15" x 3-1/2" and 15" x 4" T-Series Type 1 Brakes
	E-3477	3-1/8"	1-17/32"	1/8"	None	16-1/4" x 3-1/2" T-Series Brakes







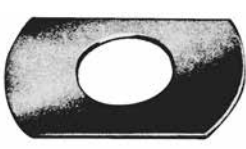

CAMSHAFTS

CAMSHAFT WASHERS

	EUCLID NO.	O.D.	I.D.	THICK	GENERAL INFORMATION
	E-3478		1-1/2"	1/16"	For Meritor Q Service Brakes
	E-5482		1-1/2"	1/16"	Cam Head Washer for Eaton ES Brakes
	E-9071		1-41/64"	1/16"	For 2-1/2" offset spiders
	E-9075	2-3/8"	1-41/64"	11/32"	Use with press-in nylon or metal Spider Bushings and Camshafts with 2" upper bearing journals




CAMSHAFT WASHERS

CAMSHAFTS

	EUCLID NO.	O.D.	I.D.	THICK	GENERAL INFORMATION
	E-10857	2-7/16"	1-17/32"	1/16"	For Meritor W Series 14-1/2"
	E-10801	2-7/16"	1-11/16"	1/16"	For Late Model Std. Forge 12-1/4" Brake
	E-6077	2-11/16"	1-5/8"	1/16"	Cam Head Washer for Meritor Trailer Axles with Fabricated Spiders
	E-10843	2-3/4"	1-9/16"	1/16"	For Meritor W Series 14-1/2"
	E-2404	3-7/8" x 2-7/16"	1-17/32"	1/16"	For Late Model Std. Forge 12-1/4" Brake
	E-1408	3-1/2"	1-17/32"	1/16"	For 12-1/4" Dia. Brakes
	E-656	3-7/8"	1-1/2"	1/16"	For 1-1/2" dia. Camshafts. Can be used on Fruehauf Camshafts by reversing
	E-9073	3-7/8"	1-5/8"	1/16"	For 16-1/2" Q+™ Brakes

CAMSHAFT LOCK RINGS

Brake and
Wheel End

	EUCLID NO.	I.D.	THICK	GENERAL INFORMATION
	E-3234			For Eaton Camshafts
	E-10776	13/16"	3/64"	Retaining Ring
	E-9076	31/32"	3/32"	15" x 4" Q and 16-1/2" P Brakes
	E-801	1-1/8"	1/16"	Lock Ring. For Meritor 4000-6000 Series Axles. Also used on 1-1/4" Anchor Pins with grooves.
	E-5093	1-5/32"	3/32"	15" x 3-1/2" x 4" T Brakes. 16-1/2" Q Brakes.
	E-2720	1-5/16"	1/16"	For Wagner Drive Axle Brake
	E-4736	1-3/8"	3/32"	Wider snap ring for use with Meritor Drive Axle Camshafts. Not for use with Euclid Replacement Camshafts.
	E-526	1-21/64"	1/16"	For All 1-1/2" Dia. Camshafts
	E-1569	1-1/2"	1/16"	For Meritor 4000-6000 Series Axle and Pro-Par® Axle with 1-5/8" Dia. Camshaft
	E-910	1-1/2"	1/16"	For 1-1/2" Dia. Camshaft. Use in Cam Front Lock Groove
	E-9077	1-5/8"	3/32"	16-1/2" Q+ Brakes

CAMSHAFTS

SECTION 3 — SLACK ADJUSTERS

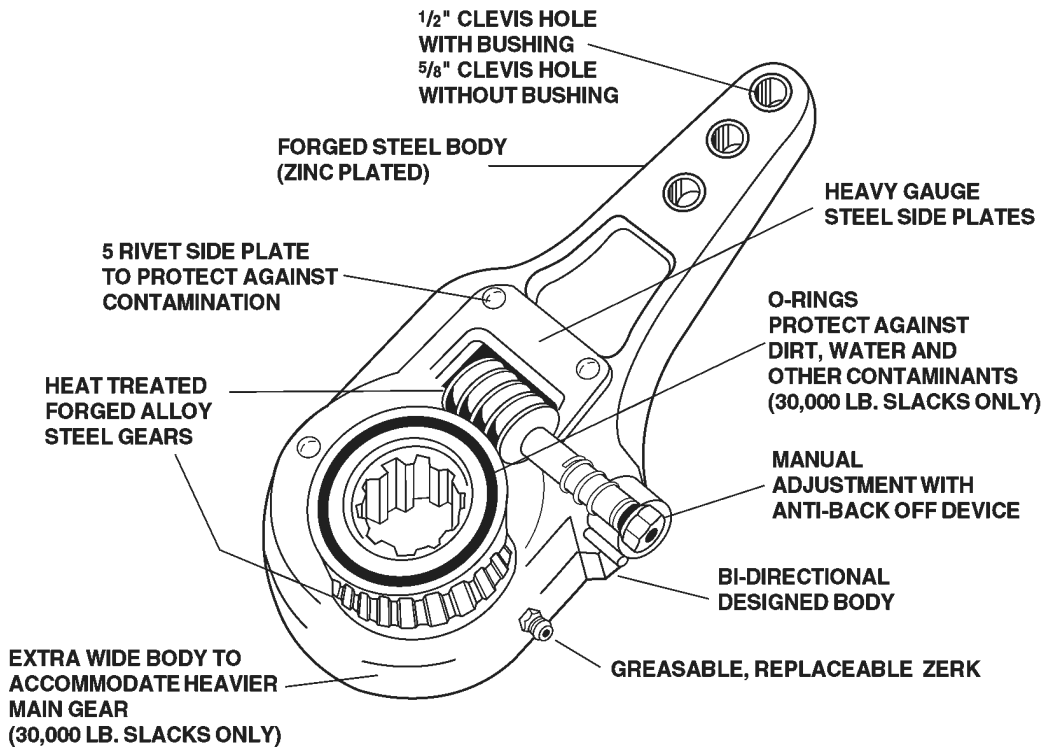
Brake and
Wheel End

MANUAL SLACK ADJUSTERS- - - - -	3-2
CLEVIS PIN BUSHING - - - - -	3-3
MERITOR AUTOMATIC SLACK ADJUSTERS - - - - -	3-4
MERITOR AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE- - - - -	3-6
MERITOR AUTOMATIC SLACK ADJUSTERS - - - - -	3-8
MERITOR MISC AUTOMATIC SLACK ADJUSTER PARTS - - - - -	3-9
MERITOR SIMPLECHECK - - - - -	3-9
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE- - - - -	3-10
HALDEX AUTOMATIC SLACK ADJUSTERS - - - - -	3-13
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS - - - - -	3-18
MERITOR SELF-ADJUSTING BRAKE ADJUSTERS - - - - -	3-25
MERITOR SELF-SETTING BRAKE ADJUSTERS - - - - -	3-26
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS - - - - -	3-27
GUNITE AUTOMATIC SLACK ADJUSTERS - - - - -	3-32
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER KITS - - - - -	3-39
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER CROSS REFERENCE- - - - -	3-40
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER KITS - - - - -	3-41
STEMCO/CREWSON AUTO-CHECK™ AUTOMATIC SLACK ADJUSTER KITS - - - - -	3-42
STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER CLEVIS KITS - - - - -	3-42
SAFETY CHECK™ BRAKE GAUGES- - - - -	3-43




SLACK ADJUSTERS

MANUAL SLACK ADJUSTERS

Listed by Cam Spline Size









SLACK ADJUSTERS

	EUCLID NO.	TYPE	FITS CAM SPLINE	ARM LENGTH	GENERAL INFORMATION
	E-4904S		1-1/4"-10	4-1/2" - 5-1/2"	For All 1-1/4" -10 Spline Camshafts
	E-9102		1-1/4"-24	5-1/2"	For Meritor 15" x 4" Q Brake.
	E-612HD		1-1/2"-10	5" - 6" - 7"	
	E-612S-BK				


MANUAL SLACK ADJUSTERS

Brake and
Wheel End

	EUCLID NO.	TYPE	FITS CAM SPLINE	ARM LENGTH	GENERAL INFORMATION
	E-940HD			5-1/2" - 6-1/2"	
	E-940S-BK				
	E-2091			6"	Curved Arm for 12-1/4" Brakes.
	E-2458HD		1-1/2"-28	5" - 6" - 7"	
	E-2458S-BK				
	E-2459HD			5-1/2" - 6-1/2"	
	E-2459S-BK				
	E-9105		1-1/2"-48	4" - 5"	
	E-1574HD			6"	
	E-1574S-BK				

SLACK ADJUSTERS

CLEVIS PIN BUSHING

	EUCLID NO.	REPLACES	FITS CAM SPLINE	LENGTH
	E-2307	5/8"	1/2"	31/64"

Spec The Right Meritor Clevis for the Application

Utilizing the correct Automatic Slack Adjuster (ASA) clevis is critical to maximizing brake life. The use of an incorrect clevis could result in an increase to operating costs.



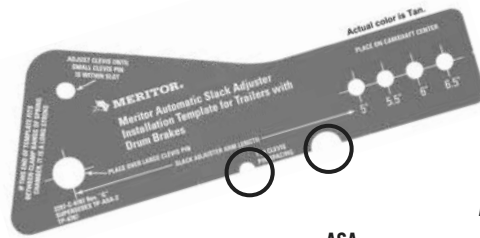
1.30" Clevis



1.38" Clevis

Template Method for Replacing the ASA Clevis.

Measure the old clevis, or if the old clevis is not available, measure the clevis on the opposite wheel end of the axle by matching the two cutouts on the bottom of the template to the clevis holes.



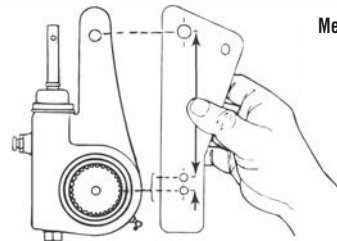
ASA

Air Brake
Chamber

1. Use the correct Meritor ASA template to measure the length of the slack adjuster¹. The marks by the holes in the small end of the template indicate the length of the slack adjuster.

Meritor ASAs are sold in the aftermarket less clevis which allows the end user to properly spec the clevis for the intended application. Meritor manufactures clevises with pin spacings of 1.30" and 1.38" to accommodate a variety of applications. To maximize brake lining life, it is recommended to replace the clevis when the ASA is replaced.

When it's time to replace the ASA, replace the clevis following the Template Method as outlined here.



Measure Slack Adjuster
Arm Length

Camshaft Center

¹ The ASA templates are not interchangeable. The correct ASA template and clevis pin spacing must be used and the clevis position must be adjusted as described in the Template Method. If an incorrect combination is used and the clevis is installed in the wrong position, the slack adjuster will not adjust the brake correctly. If the slack adjuster under adjusts, stopping distances are increased. If the slack adjuster over adjusts, the linings may drag and damage the brake.

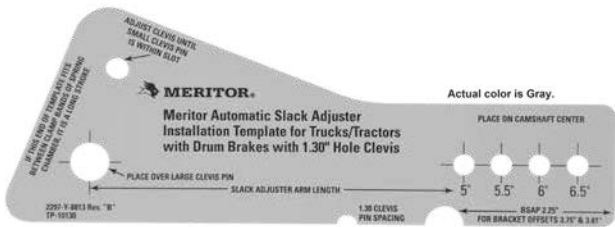
Spec The Right Meritor Clevis for the Application



TP-4786 ASA template for trucks and tractors with drum brakes with 1.38" spacing!



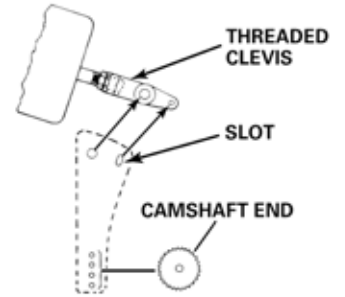
TP-4787 ASA template for trailers with drum brakes. NOTE: Trailer must always use 1.38" spacing!



TP-10130 ASA template for trucks and tractors with drum brakes with 1.30" spacing!

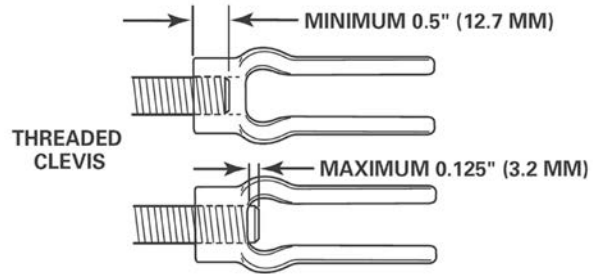
2. Install the large clevis pin through the large holes in the ASA template and the clevis.
3. Select the hole in the ASA template that matches the length of the slack adjuster. Hold that hole on the center of the camshaft.

4. Look through the slot in the template to see if the small clevis hole completely aligns within the slot.



- If the small clevis hole doesn't align within the slot: Adjust the clevis until you can see the small clevis pin hole within the slot (right).

5. Verify that the thread engagement between the clevis and push rod is 0.5" - 0.625" (12.7-15.9 mm).
6. Verify that the push rod does not extend through the clevis more than 0.125" (3.2 mm).



- If the push rod extends through the clevis more than 0.125" (3.2 mm): Cut the push rod or install a new air chamber and push rod.

7. Tighten the jam nut against the clevis to the torque specification below.
- NOTE:** Use either the Template Method* or BSAP Method* to ensure the correct position of welded or threaded clevises on standard- or long-stroke brake chambers.

* For more information on the Template or BSAP Methods, refer to Meritor



THREAD	TORQUE
1/2-20	20-30 lb-ft (27-41 N•m)
5/8-18	35-50 lb-ft (48-68 N•m)

Maintenance Manual 4, Cam Brake and Automatic Slack Adjusters. For information on welded-clevis air brake chambers, refer to the air brake chamber manufacturer's maintenance publication.

SLACK ADJUSTERS

MERITOR AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE

MERITOR CLEVIS	EUCLID CLEVIS	COMMENT	MERITOR UNCLEVISED	EUCLID
R801001	E-11395	Equivalent Unclevised ASA part#--->	R803101	
R801002	E-11396	Equivalent Unclevised ASA part#--->	R803102	E-11397A
R801003	E-11397	Equivalent Unclevised ASA part#--->	R803102	E-11397A
R801041	E-11398	Equivalent Unclevised ASA part#--->	R803195	E-11938A
R801042	E-11399	Equivalent Unclevised ASA part#--->	R803106	E-11399A
R801070	E-11932	Equivalent Unclevised ASA part#--->	R803108	E-1144A
R801072	E-11400	Equivalent Unclevised ASA part#--->	R803109	E-114A
R801073	E-11401	Equivalent Unclevised ASA part#--->	R803110	
R801074	E-11402	Equivalent Unclevised ASA part#--->	R803112	E-1142A
R801079	E-11404	Equivalent Unclevised ASA part#--->	R803108	E-1144A
R801101	E-11405	Equivalent Unclevised ASA part#--->	R803114	E-1145A
R801102	E-11406	Equivalent Unclevised ASA part#--->	R803116	E-1146A
R802060		Equivalent Unclevised ASA part#--->	R803010	E-1147A
R802061		Equivalent Unclevised ASA part#--->	R803011	E-1148A
R802062		Equivalent Unclevised ASA part#--->	R803010	E-1147A
R802063		Equivalent Unclevised ASA part#--->	R803011	E-1148A
R802070	E-11407	Equivalent Unclevised ASA part#--->	R803010	E-1147A
R802071	E-11408	Equivalent Unclevised ASA part#--->	R803011	E-1148A
R802072		Equivalent Unclevised ASA part#--->	R803010	E-1147A
R802073		Equivalent Unclevised ASA part#--->	R803011	E-1148A
R802316	E-11409	Equivalent Unclevised ASA part#--->	R803024	
R802317	E-11410	Equivalent Unclevised ASA part#--->	R803025	
R802332	E-11411	Equivalent Unclevised ASA part#--->	R803028	
R802333	E-11412	Equivalent Unclevised ASA part#--->	R803029	
R802354	E-11930	Equivalent Unclevised ASA part#--->	R803030	
R802355	E-11931	Equivalent Unclevised ASA part#--->	R803031	E-11931A
R802380	E-11413	Equivalent Unclevised ASA part#--->	R803036	
R802444	E-11415	Equivalent Unclevised ASA part#--->	R803052	E-11415A
R802445	E-11416	Equivalent Unclevised ASA part#--->	R803053	E-11416A

SLACK ADJUSTERS

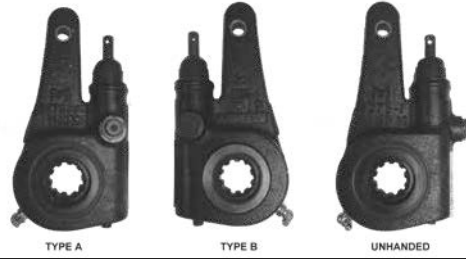
MERITOR AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE

Brake and
Wheel End

MERITOR CLEVIS	EUCLID CLEVIS	COMMENT	MERITOR UNCLEVISED	EUCLID
R802446	E-11417	Equivalent Unclevised ASA part#--->	R803048	E-11417A
R802447	E-11418	Equivalent Unclevised ASA part#--->	R803049	E-11418A
R802462	E-11419	Equivalent Unclevised ASA part#--->	R803051	E-11419A
R802463	E-11420	Equivalent Unclevised ASA part#--->	R803050	E-1142A
R802486	E-11421	Equivalent Unclevised ASA part#--->	R803054	E-11421A
R802487	E-11422	Equivalent Unclevised ASA part#--->	R803055	E-11422A
R802490	E-11423	Equivalent Unclevised ASA part#--->	R803056	
R802491	E-11424	Equivalent Unclevised ASA part#--->	R803057	
R802512	E-11403	Equivalent Unclevised ASA part#--->	R803058	E-1143A
R802513	E-11902	Equivalent Unclevised ASA part#--->	R803059	
R802666	E-11425	Equivalent Unclevised ASA part#--->	R803032	
R802667	E-11426	Equivalent Unclevised ASA part#--->	R803033	




SLACK ADJUSTERS


MERITOR AUTOMATIC SLACK ADJUSTERS



EUCLID CLEVIS NO.	MERITOR UNCLEVIS NO.	EUCLID UNCLEVIS NO.	TYPE	SPLINE SIZE	LEVER LENGTH	CLEVIS THREAD	FOR CHAMBER
E-11395	R801001	E-11395A	unhanded	1-1/4"-10	5-1/2"	1/2"-20 str	16
E-11396	R801002	E-11396A	unhanded	1-1/4"-24	5-1/2"	1/2"-20 str	16
E-11397	R803102	E-11397A	unhanded	1-1/4"-24	5-1/2"	5/8"-18 str	16, 20
E-11398	R803195	E-11398A	unhanded	1-1/2"-10	5-1/2"	5/8"-18 str	24, 30
E-11399	R803106	E-11399A	unhanded	1-1/2"-10	6"	5/8"-18 str	30
E-11400	R803109	E-11400A	unhanded	1-1/2"-28	5-1/2"	5/8"-18 str	20, 24, 36 drum
E-11401	R803110	E-11401A	unhanded	1-1/2"-28	5-1/2"	5/8"-18 str	24, 30
E-11402	R803112		unhanded	1-1/2"-28	6"	5/8"-18 str	30
E-11403	R803058	E-11403A	TYPE A	1-1/2"-28	6-1/2"	5/8"-18 str	36 drum
E-11404	R803108	E-11404A	unhanded	1-1/2"-28	5-1/2"	5/8"-18 str	20
E-11405	R803114	E-11405A	unhanded	1-5/8"-37	5-1/2"	5/8"-18 str	24, 30
E-11406	R803116	E-11406A	unhanded	1-5/8"-37	6"	5/8"-18 str	30
E-11407	R803010	E-11407A	TYPE A	1-1/4"-24	5-1/2"	5/8"-18 str	20
E-11408	R803011	E-11408A	TYPE B	1-1/4"-24	5-1/2"	5/8"-18 str	20
E-11409	R803024		TYPE A	1-1/2"-10	5-1/2"	5/8"-18 str	24, 30 drum
E-11410	R803025		TYPE B	1-1/2"-10	5-1/2"	5/8"-18 str	24, 30 drum
E-11415	R803052	E-11415A	TYPE	1-1/2"-28	5-1/2"	5/8"-18 str	20, 24 disc, 36 drum
E-11416	R803053	E-11416A	TYPE B	1-1/2"-28	5-1/2"	5/8"-18 str	20, 24 disc, 36 drum
E-11417	R803048	E-11417A	TYPE A	1-1/2"-28	5-1/2"	5/8"-18 str	24, 30
E-11418	R803049	E-11418A	TYPE B	1-1/2"-28	5-1/2"	5/8"-18 str	24, 30
E-11419	R803051	E-11419A	TYPE B	1-1/2"-28	5-1/2"	5/8"-18 str	30 disc
E-11420	R803050	E-11420A	TYPE A	1-1/2"-28	5-1/2"	5/8"-18 str	30 disc
E-11421	R803054	E-11421A	TYPE A	1-1/2"-28	6"	5/8"-18 str	30
E-11422	R803055	E-11422A	TYPE B	1-1/2"-28	6"	5/8"-18 str	30
E-11902	R803059		TYPE B	1-1/2"-28	6-1/2"	5/8"-18 str	36
E-11930	R803030		TYPE A	1-1/2"-10	6"	5/8"-18 str	30
E-11931	R803031	E-11931A	TYPE B	1-1/2"-10	6"	5/8"-18 str	30





NOTE: The Slack Adjuster must be installed so the pawl can be removed during maintenance.

	EUCLID NO.	MERITOR NO.	THREAD SIZE	CLEVIS TYPE	GENERAL INFORMATION
	E-11427A	R810024	1/2"-20	Offset 5/8"	Clevis kit includes Lightweight Clevis, pins and clips.
	E-11899	R810022	1/2"-20	Offset 5/8"	Clevis kit includes Lightweight Clevis, pins and clips.
	E-11429A	R810025	5/8"-18	Offset 5/8"	1.38" C/C of pins. Clevis kit includes Lightweight Clevis, pins and clips.
	E-11901	R810023	5/8"-18	Offset 5/8"	1.38" C/C of pins. Clevis kit includes Lightweight Clevis, pins and clips.
	E-11428A	R810018	1/2"-20	Straight	1-3/8" CL-CL of pins. Clevis kit includes Lightweight Clevis, pins and clips.
	E-11898	R810020	1/2"-20	Straight	Clevis kit includes Lightweight Clevis, pins and clips.
	E-11430A	R810019	5/8"-18	Straight	1-3/8" CL-CL of pins. Clevis kit includes Lightweight Clevis, pins and clips. Now a stamped Clevis.
	E-11900	R810021	5/8"-18	Straight	Clevis kit includes Lightweight Clevis, pins and clips.
	E-11431	R810012	3/4"-16	Straight	1.38" C/C of pins. For type 20, 24, 30, 36 chambers. Clevis not tied to chamber type. Now a stamped Clevis.

	EUCLID NO.	MERITOR NO.	DESCRIPTION	GENERAL INFORMATION
	E-11432	R801700	Pawl Kit	For All Meritor ASAs

SLACK ADJUSTERS

MERITOR SIMPLECHECK

	PART NO.	FITS CLEVIS THREAD	O.D.	NOTES
	M810500	5/8" - 18	1-3/4"	SimpleCheck is a green disc used as a marker to visually inspect applied chamber stroke on cam brake-equipped vehicles. When the brake is fully released, the SimpleCheck disc is installed on the pushrod at the base of the air brake chamber.
	M810625	3/4" - 16	1-3/4"	
	M820625	1/2" - 20	1-3/8"	
	M820750	5/8" - 18	1-3/8"	

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE

HALDEX ABA KIT	HALDEX ABA	EUCLID (GENUINE HALDEX)	MERITOR	MERITOR PREMIUM ASA	MERITOR SELF SETTING ASA
300-10001	419-10743			M807521	
300-10002	419-10744			M807522	
300-10003	419-10745			M807523	
300-10004	419-10745			M807524	
300-10007	419-10603			M807525	
300-10008	419-10604			M807526	
300-10011	419-10770			M807527	
300-10020	419-10182			M807539	
300-10021	419-10183			M807540	
300-10025	419-10275			M807541	
300-10026	419-10276			M807542	
300-10033	419-10636			M807543	
300-10034	419-10640			M807544	
300-10035	419-10641			M807545	
300-10038	419-10757			M807546	
300-10041	419-10776			M807528	
300-10042	419-10777			M807529	
300-10043	419-10789			M807530	
300-10044	419-10790			M807531	
300-10045	419-10791			M807547	
300-10051	419-10479			M807548	
300-10052	419-10427			M807549	
300-10053	419-10818			M807550	
300-10066	419-10849			M807532	
300-10067	419-10850			M807533	
300-10068	419-10854			M807534	
300-10080	419-10185			M807551	
300-10100	419-10400			M807552	
300-10119	419-10456			M807553	
300-10145	419-10836			M807554	
300-10146	419-10837			M807555	
300-10149	419-10856			M807556	
300-10174	419-10972			M807557	
300-10175	419-10973			M807558	
300-10185	419-10998			M807535	
300-10186	419-10999			M807559	
300-10187	419-11001			M807536	
300-10188	419-11002			M807560	
300-10191	419-79208			M807561	
300-10192	419-79209			M807562	
400-10001	409-10658	E-6900A	R806009A	M807009	
400-10002	409-10661	E-6907A	R806503A	M807503	
400-10003	409-10660	E-6906A	R806502A	M807502	
400-10004	409-10659	E-6902A	R806010A	M807010	
400-10005	409-10662	E-6903A	R806011A	M807011	
400-10008	409-10663	E-6905A	R806012A	M807012	M808012
400-10009	409-10599	E-6912	R806500A	M807500	
400-10010	409-10600	E-6913	R806501A	M807501	
400-10011	409-10416			M807031	
400-10013	409-10172			M807032	
400-10040	409-10665	E-6982	R806505A	M807505	
400-10041	409-10664	E-6981	R806504A	M807504	
400-10068	409-10638		R806507A	M807507	
400-10069	409-10639		R806508A	M807508	
400-10070	409-10759			M807027	M808027

SLACK ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE

Brake and
Wheel End

HALDEX ABA KIT	HALDEX ABA	EUCLID (GENUINE HALDEX)	MERITOR	MERITOR PREMIUM ASA	MERITOR SELF SETTING ASA
400-10071	409-10760			M807033	
400-10072	409-10761			M807034	
400-10081	409-10228		R806025A	M807025	
400-10086	409-10879			M807035	
400-10121	409-10909			M807036	
400-10140	409-10742	E-6925B	R806024A	M807024	M808024
400-10141	409-10653		R806026A	M807026	M808026
400-10142	409-10741	E-6923B	R806023A	M807023	M808023
400-10143	409-10733	E-6924B	R806022A	M807022	M808022
400-10144	409-10678	E-6918A	R806016A	M807016	M808016
400-10145	409-10680	E-6914A	R806018A	M807018	
400-10146	409-10679	E-6919A	R806017A	M807017	
400-10154	409-10650		R806004A	M807004	M808004
400-10155	409-10635	E-10892	R806002A	M807002	M808002
400-10156	409-10648	E-10893	R806003A	M807003	M808003
400-10180	409-10861			M807037	
400-10182	409-10858			M807038	
400-10211	409-10683	E-6944	R806019A	M807019	M808019
400-10212	409-10673	E-6942	R806013A	M807013	M808013
400-10213	409-10684	E-6947	R806020A	M807020	M808020
400-10214	409-10674	E-6946	R806014A	M807014	M808014
400-10215	409-10685	E-6940	R806021A	M807021	M808021
400-10216	409-10675	E-6936	R806015A	M807015	M808015
400-10238	409-10466			M807039	
400-10245	409-11010			M807040	
400-10246	409-11011			M807041	
400-10304	409-10654	E-6932	R806005A	M807005	M808005
400-10305	409-10655	E-6933	R806006A	M807006	M808006
400-10306	409-10656	E-6928	R806007A	M807007	M808007
400-10307	409-10657	E-6934	R806008A	M807008	
400-10402	409-10584	E-6951A	R806001A	M807001	M808001
400-10590	419-10590		R806506A	M807506	
400-10640	409-10990			M807042	
400-20211	409-20002	E-11921			M808019
400-20212	409-20006	E-11922			M808013
400-20213	409-20024	E-11923			M808000
400-20214	409-20025	E-11924			M808001
400-20215	409-20000	E-11925			M808021
400-20216	409-20004	E-11926			M808015
400-20217	409-20020				M808007
400-20227	409-20003				M808027
400-20228	409-20017				M808028
400-20229	409-20018				M808012
400-20231	409-20019				M808005
400-20233	409-20021				M808023
400-20234	409-20023				M808029
400-20235	409-20040				M808002
400-20236	409-20009				M808003
400-20238	409-20044				M808004
400-20239	409-20045				M808022
400-20240	409-20046				M808026
400-20241	409-20011				M808030
400-20243	409-20006	E-11922			M808016
400-20250	409-20050				M808024
400-20305	409-20014				M808006

SLACK ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS CROSS REFERENCE

HALDEX ABA KIT	HALDEX ABA	EUCLID (GENUINE HALDEX)	MERITOR	MERITOR PREMIUM ASA	MERITOR SELF SETTING ASA
400-26211	409-26002	E-16749			
400-26212	409-26006	E-16750			
400-26213		E-16751			
400-26214		E-16752			
400-26216		E-16753			
400-26217	409-26020	E-16754			
400-26221		E-16755			
400-26223		E-16756			
400-26225	409-26007	E-16757			
400-26226		E-16758			
400-26227	409-26003	E-16748			
400-26227	409-26003	E-16759			
400-26228	409-26017	E-16760			
400-26231	409-26019	E-16761			
400-26234	409-26023	E-16762			
400-26235	409-26040	E-16763			
400-26236	409-26009	E-16764			
400-26238		E-16765			
400-26239		E-16766			
400-26240		E-16767			
400-26241	409-26011	E-16768			
400-26243		E-16769			
400-26252		E-16770			
400-26304		E-16771			
400-26305		E-16772			
400-26306		E-16773			
400-26327		E-16774			
N/A	409-10129		R806000A	M807000	M808000
N/A	419-79216			M807537	
N/A	419-79217			M807538	
N/A	419-79225			M807563	
N/A	419-79226			M807564	




SLACK ADJUSTERS

HALDEX STEER AXLE									
	EUCLID KIT NO.	EUCLID SABA KIT NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	E-6900A	n/a	E-6983	0°	Straight	1-1/4"-10	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes. Replaces 400-10001, 409-10658
	E-6902A	n/a		0°	Straight	1-1/4"-24	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes. Replaces 400-10004, 409-10659
	E-6903A	n/a	E-6983	0°	Straight	1-1/2"-10	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes. Replaces 400-10005, 409-10662
	E-6905A	n/a	E-6983	0°	Straight	1-1/2"-28	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes. Replaces 400-10008, 409-10663
	E-6951A	n/a	E-6985	16°	Straight	1-1/2"-28	5-1/2"	1/2"	For Meritor Air Disc Brakes. Replaces 400-10402, 409-10584
	E-6906A	n/a	E-6983	22°	Offset LH 5/8"	1-1/4"-10	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes with 5/8" Offset Arm. Replaces 400-10003, 409-10660
	E-6907A	n/a	E-6983	22°	Offset RH 5/8"	1-1/4"-10	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes with 5/8" Offset Arm. Replaces 400-10002, 409-10661
	E-6981	n/a		22°	Offset LH 5/8"	1-1/4"-24	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes with 5/8" Offset Arm. Replaces 400-10041, 409-10664
	E-6982	n/a		22°	Offset RH 5/8"	1-1/4"-24	5-1/2"	1/2"-5/8"	Double Bend Control Arm. Standard Steer Axle Brakes with 5/8" Offset Arm. Replaces 400-10040, 409-10665
	E-6910	n/a	E-6956	22°	Offset RH 1-1/2"	1-1/2"-10	5-1/2"	1/2"	For Mack 16,000 lb.+ Steer Axle Brakes with 1-1/2" Offset Arm. Replaces 400-10055, 409-10601
	E-6912	n/a	E-6956	22°	Offset RH 1-1/2"	1-1/2"-28	5-1/2"	1/2"-5/8"	For Mack 16,000 lb.+ Steer Axle Brakes with 1-1/2" Offset Arm. Replaces 400-10009, 409-10599
	E-6913	n/a	E-6956	22°	Offset LH 1-1/2"	1-1/2"-28	5-1/2"	1/2"-5/8"	For Mack 16,000 lb.+ Steer Axle Brakes with 1-1/2" Offset Arm. Replaces 400-10010, 409-10600

SLACK ADJUSTERS

CAUTION: Do not mix Automatic Slack Adjuster brands on the same vehicle.

HALDEX DRIVE AXLE

	EUCLID KIT NO.	EUCLID SABA KIT NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	E-10892	n/a	E-10894	0°	Straight	1-1/2"-10	5-1/2"	1/2"	Kenworth with 8 Bag Air Ride to avoid interference with air bag supports. Replaces 400-10155, 409-10635
	E-10893	n/a	E-10894	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Kenworth with 8 Bag Air Ride to avoid interference with air bag supports. Replaces 400-10156, 409-10648
	E-6914A	n/a	E-6983	16°	Straight	1-1/2"-10	6"	1/2"	Double Bend Control Arm. For Mack Drive Axle brakes. Replaces 400-10145, 409-10680
	E-6918A	n/a	E-6983	16°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Mack Drive Axle brakes. Replaces 400-10144, 409-10678
	E-6919A	n/a	E-6983	16°	Straight	1-1/2"-28	5-1/2" or 6-1/2"	1/2"	Double Bend Control Arm. For Mack Drive Axle brakes. Replaces 400-10146, 409-10679
	E-6923B	n/a	E-10262	34°	Straight	1-1/2"-10	5" or 6"	1/2"-5/8"	For Standard Drive Axle Brakes. Replaces 400-10142, 409-10741
	E-6924B	n/a	E-10262	34°	Straight	1-1/2"-10	5-1/2" or 6-1/2"	1/2"-5/8"	For Standard Drive Axle Brakes. Replaces 400-10143, 409-10733
	E-6925B	n/a	E-10262	34°	Straight	1-1/2"-28	5" or 6"	1/2"-5/8"	For Standard Drive Axle Brakes. Replaces 400-10140, 409-10566
	E-6927B	n/a	E-10262	34°	Straight	1-1/2"-28	5-1/2"	1/2"-5/8"	For Standard Drive Axle Brakes. Replaces 400-10141, 409-10532

SLACK ADJUSTERS

TRAILER AXLE APPLICATIONS FOR 12-1/4" BRAKES

	EUCLID KIT NO.	EUCLID SABA KIT NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT / OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
		E-6928	n/a	E-6967A	35°	Straight	1-1/2"-10	6"	1/2"
E-6932		n/a	E-6967A	35°	Straight	1-1/2"-28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10304, 409-10654
E-6933		n/a	E-6967A	35°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10305, 409-10655


TRAILER AXLE APPLICATIONS FOR 16-1/2" BRAKES

	E-6936	E-11926	E-6967A	0°	Straight	1-1/2"-10	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10216, 409-10675
	E-6942	E-11922	E-6967A	0°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10212, 409-10673
	E-6944	E-11921	E-6967A	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10211, 409-10683
	E-6946	E-11924	E-6966A	0°	Straight	1-5/8"-37	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10214, 409-10674
	E-6947	E-11923	E-6966A	0°	Straight	1-5/8"-37	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10213, 409-10684

SLACK ADJUSTERS

DRIVE AXLE								
PHOTO COMING SOON	EUCLID SABA KIT NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT / OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	E-16748	n/a	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26227, 409-26003
	E-16757	n/a	0°	Straight	1-1/2"-28	6"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26225, 409-26007
	E-16759	n/a	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26227, 409-26003
	E-16754	n/a	34°	Straight	1-1/2"-10	6"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26217, 409-26020
	E-16760	n/a	34°	Straight	1-1/2"-10	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26228, 409-26017
	E-16762	n/a	34°	Straight	1-1/2"-28	6"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26234, 409-26023
	E-16766	n/a	34°	Straight	1-1/2"-10	5-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-26239, 409-26045




STEER AXLE								
PHOTO COMING SOON	E-16763	n/a	35°	Straight	1-1/4"-10	5-1/2"	1/2"	Single Bend Control Arm. For Kenworth with 8 bag air ride to avoid interference with air bag supports. Replaces 400-26235, 409-26040
	E-16764	n/a	35°	Straight	1-1/2"-10	5-1/2"	1/2"	Single Bend Control Arm. For Kenworth with 8 bag air ride to avoid interference with air bag supports. Replaces 400-26236, 409-26009
	E-16768	n/a	35°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard steer axle brakes. Replaces 400-26241, 409-26011

TRAILER AXLE								
	EUCLID SABA KIT NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT / OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	E-11921	E-6967A	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20211, 409-20002
	E-11922	E-6967A	0°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20212, 409-20006
	E-11925	E-6967A	0°	Straight	1-1/2"-10	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20215, 409-20000
	E-11926	E-6967A	0°	Straight	1-1/2"-10	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20216, 409-20004
	E-16750	n/a	0°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-26212
	E-16774	n/a	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-26327
	E-11923	E-6966A	0°	Straight	1-5/8"-37	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20213, 409-20024
	E-11924	E-6966A	0°	Straight	1-5/8"-37	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20214, 409-20025

SLACK ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

STEERING AXLE (NON-DRIVE) APPLICATIONS FOR 15", 16-1/4" AND 16-1/2" BRAKES

	STANDARD	PREMIUM	SELF	INCLUDES	ANGLE	STRAIGHT / OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	PART NUMBER	PART NUMBER	SETTING PART NUMBER	BRACKET NO.						
	R806009A	M807009	n/a	R810302	0°	Straight	1-1/4"-10	5-1/2"	5/8"	Double Bend Control Arm. For standard steer axle brakes. Replaces 400-10001, 409-10658
	R806010A	M807010	n/a	R810303	0°	Straight	1-1/4"-24	5-1/2"	5/8"	Double Bend Control Arm. For standard steer axle brakes. Replaces 400-10004, 409-10659
	R806011A	M807011	n/a	R810302	0°	Straight	1-1/2"-10	5-1/2"	5/8"	Double Bend Control Arm. For standard steer axle brakes. Replaces 400-10005, 409-10662
	R806012A	M807012	M808012	R810302	0°	Straight	1-1/2"-28	5-1/2"	5/8"	Double Bend Control Arm. For standard steer axle brakes. Replaces 400-10008, 409-10663
	R806025A	M807025	n/a	R810310	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard steer axle brakes. Replaces 400-10081, 409-10228
	n/a	M807032	n/a	R810330	0°	Straight	1-1/4"-10	5-1/2"	1/2"	Single Bend Control Arm. For standard steer axle brakes. Replaces 400-10013, 409-10172
	R806502A	M807502	n/a	R810302	22°	Offset LH 5/8"	1-1/4"-10	5-1/2"	5/8"	Double Bend Control Arm. For stan- dard steer axle brakes with 5/8" offset arm. Replaces 400-10003, 409-10660
	R806503A	M807503	n/a	R810302	22°	Offset RH 5/8"	1-1/4"-10	5-1/2"	5/8"	Double Bend Control Arm. For stan- dard steer axle brakes with 5/8" offset arm. Replaces 400-10002, 409-10661
	R806504A	M807504	n/a	R810303	22°	Offset LH 5/8"	1-1/4"-24	5-1/2"	5/8"	Double Bend Control Arm. For stan- dard steer axle brakes with 5/8" offset arm. Replaces 400-10041, 409-10664
	R806505A	M807505	n/a	R810303	22°	Offset RH 5/8"	1-1/4"-24	5-1/2"	5/8"	Double Bend Control Arm. For standard steer axle brakes with 5/8" offset arm. Replaces 400-10040, 409-10665
	R806500A	M807500	n/a	R810304	22°	Offset RH 1-1/2"	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For Mack 16,000 lb.+ steer axle brakes with 1-1/2" offset arm. Replaces 400-10009, 409-10599
	R806501A	M807501	n/a	R810304	22°	Offset LH 1-1/2"	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For Mack 16,000 lb.+ steer axle brakes with 1-1/2" offset arm. Replaces 400-10010, 409-10600
	R806507A	M807507	n/a	R810311	22°	Offset LH 5/8"	1-1/2"-28	6"	1/2"	Single Bend Control Arm. For Dina Bus - MCI Steer Axle brakes. Replaces 400-10068, 409-10638
	R806508A	M807508	n/a	R810314	22°	Offset RH 5/8"	1-1/2"-28	6"	1/2"	Single Bend Control Arm. For Dina Bus - MCI Steer Axle brakes. Replaces 400-10069, 409-10639
	n/a	M807033	n/a	R810337	34°	Straight	1-1/2"-10	5-1/2"	1/2"	Single Bend Control Arm. For standard steer axle brakes. Replaces 400-10071, 409-10760
	n/a	M807034	n/a	R810337	34°	Straight	1-1/4"-10	5-1/2"	1/2"	Single Bend Control Arm. For standard steer axle brakes. Replaces 400-10072, 409-10761





CAUTION: Do not mix Automatic Slack Adjuster brands on the same vehicle.

SLACK ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

Brake and
Wheel End


DRIVE AXLE APPLICATIONS FOR 16-1/2" AND 18" BRAKES

	STANDARD PART NUMBER	PREMIUM PART NUMBER	SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT / OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	R806002A	M807002	M808002	R810339	0°	Straight	1-1/2"-10	5-1/2"	5/8"	Single Bend Control Arm. For Kenworth with 8 bag air ride to avoid interference with air bag supports. Replaces 400-10155, 409-10635
	R806003A	M807003	M808003	R810339	0°	Straight	1-1/2"-28	5-1/2"	5/8"	Single Bend Control Arm. For Kenworth with 8 bag air ride to avoid interference with air bag supports. Replaces 400-10156, 409-10648
	R806018A	M807018	n/a	R810302	16°	Straight	1-1/2"-10	6"	1/2"	Double Bend Control Arm. For Mack drive axle brakes. Replaces 400-10145, 409-10680
	R806016A	M807016	M808016	R810302	16°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Mack drive axle brakes. Replaces 400-10144, 409-10678
	R806017A	M807017	n/a	R810302	16°	Straight	1-1/2"-28	5-1/2", 6-1/2"	1/2"	Double Bend Control Arm. For Mack drive axle brakes. Replaces 400-10146, 409-10679
	R806001A	M807001	M808001	R810305	16°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For Meritor air disc brakes. Replaces 400-10402, 409-10584
	R806022A	M807022	M808022	R810300	34°	Straight	1-1/2"-10	5-1/2", 6-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10143, 409-10733
	R806023A	M807023	M808023	R810300	34°	Straight	1-1/2"-10	5", 6"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10142, 409-10741
	R806004A	M807004	M808004	R810300	34°	Straight	1-1/2"-28	5-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10154, 409-10650
	R806024A	M807024	M808024	R810300	34°	Straight	1-1/2"-28	5", 6"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10140, 409-10742
	R806026A	M807026	M808026	R810300	34°	Straight	1-1/2"-28	5-1/2", 6-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10141, 409-10653
	n/a	M807037	n/a		34°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10180, 409-10861
	n/a	M807042	n/a	n/a	34°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-10640, 409-10990

SLACK
ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

TRAILER AXLE APPLICATIONS FOR 12-1/4" BRAKES

	STANDARD PART NUMBER	PREMIUM PART NUMBER	SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	R806000A	M807000	M808000	R810307	34°	Straight	1-1/2"- 10	5-1/2"	1/2"	Single Bend Control Arm. For Delvan trailer axle brakes. Replaces 400-10305, 409-10655
	R806007A	M807007	M808007	R810301	35°	Straight	1-1/2"- 10	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10306, 409-10656
	R806005A	M807005	M808005	R810301	35°	Straight	1-1/2"- 28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10304, 409-10654
	R806006A	M807006	M808006	R810301	35°	Straight	1-1/2"- 28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10305, 409-10655
	R806008A	M807008	n/a	R810301	35°	Straight	1-5/8"- 37	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10307, 409-10657

SLACK ADJUSTERS

CAUTION: Do not mix Automatic Slack Adjuster brands on the same vehicle.

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

Brake and
Wheel End

TRAILER AXLE APPLICATIONS FOR 16-1/2" BRAKES

STANDARD PART NUMBER	PREMIUM PART NUMBER	SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
R806021A	M807021	M808021	R810308	0°	Straight	1-1/2"- 10	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10215, 409-10685
R806015A	M807015	M808015	R810308	0°	Straight	1-1/2"- 10	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10216, 409-10675
R806019A	M807019	M808019	R810301	0°	Straight	1-1/2"- 28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10211, 409- 10683
R806013A	M807013	M808013	R810308	0°	Straight	1-1/2"- 28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10212, 409-10673
R806020A	M807020	M808020	R810301	0°	Straight	1-5/8"- 37	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10213, 409-10684
R806014A	M807014	M808014	R810301	0°	Straight	1-5/8"- 37	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10214, 409- 10674
n/a	M807040	n/a	R810301	0°	Straight	1-1/2"- 28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10245, 409-11010
n/a	M807041	n/a	R810301	0°	Straight	1-1/2"- 28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-10246, 409-11011



SLACK
ADJUSTERS

CAUTION: Do not mix Automatic Slack Adjuster brands on the same vehicle.

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

TRANSIT APPLICATIONS

	PREMIUM PART NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	M807551		0°	Straight	1-1/2"28	5-1/2", 6-1/2"	6-1/4"	Single bend, 65mm.
	M807556		0°	Straight	1-1/2"28	5-1/2"	1/2"	Double bend, 69mm. Replaces 300-10149
	M807549	R810312	0°	Straight	1-1/2"28	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 300-10052
	M807548	R810330	0°	Straight	1-1/2"28	5-1/2"	5/8"	Single bend, 65mm. Includes bracket and hardware.
	M807527	R810305	16°	Straight	1-1/2"10	5-1/2"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010042, 300-10011
	M807543	R810305	16°	Straight	1-1/2"28	5-1/2"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 300-10033

SLACK ADJUSTERS

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MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

Brake and
Wheel End

TRANSIT APPLICATIONS								
	PREMIUM PART NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	M807525	R810304	23°	Offset LH 1-1/2"	1-1/2"10	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010007
	M807526	R810304	23°	Offset LH 1-1/2"	1-1/2"10	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010008
	M807532	R810312	23°	Offset LH 5/8"	1-1/2"28	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010066
	M807533	R810312	23°	Offset RH 5/8"	1-1/2"28	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010067
	M807528	R810328	23°	Offset LH 5/8"	1-1/2"28	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010041
	M807529	R810328	23°	Offset RH 5/8"	1-1/2"28	5-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010042
	M807537		28°	Offset RH 1-9/16"	1-1/2"26	5-1/8"	1/2"	Double bend, 66mm.
	M807538		28°	Offset LH 1-9/16"	1-1/2"26	5-1/8"	1/2"	Double bend, 66mm.
	M807545		34°	Offset RH 1-1/2"	1-1/2"10	5-1/2"	1/2"	Single bend, 60mm. Replaces 30010035
	M807541		34°	Offset LH 1-1/2"	1-1/2"10	6"	1/2"	Single bend, 64mm. Replaces 30010025
	M807544		34°	Offset LH 1-1/2"	1-1/2"10	6"	1/2"	
	M807552		34°	Straight	1-1/2"10	6"	1/2"	Single bend, 64mm.
	M807554		34°	Offset LH 1-1/2"	1-1/2"10	7"	1/2"	Double bend, 69mm. Replaces 30010145
	M807555		34°	Offset RH 1-1/2"	1-1/2"10	7"	1/2"	Double bend, 69mm. Replaces 30010146

SLACK ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

TRANSIT APPLICATIONS

	PREMIUM PART NO.	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	M807547	R810300	34°	Straight	1-1/2"28	6"	1/2"	Includes bracket and hardware.
	M807523	-	34°	Straight	1-1/2"10	7"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010003
	M807534	R810312	34°	Straight	1-1/2"28	6-1/2"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010068
	M807531	-	34°	Offset RH 1-1/2"	1-1/2"10	6"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010044
	M807539	R810316	34°	Offset LH 1-1/2"	1-1/2"10	7"	1/2"	Single bend, 60mm. Includes bracket and hardware. Replaces 30010020
	M807542	R810328	34°	Offset RH 1-1/2"	1-1/2"10	6"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010026
	M807546	R810328	34°	Offset LH 1-1/2"	1-1/2"28	5-1/2"	1/2"	Includes bracket and hardware.
	M807550	-	34°	Straight	1-1/2"28	6-1/2"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010053
	M807553	-	34°	Straight	1-1/2"10	5-1/2"	5/8"	Includes bracket and hardware.
	M807557	-	34°	Offset LH 1-1/2"	1-1/2"10	6"	1/2"	Single bend, 65mm. Includes bracket and hardware. Replaces 30010174
	M807558	-	34°	Offset RH 1-1/2"	1-1/2"10	6"	1/2"	Single bend, 65mm. Includes bracket and hardware. Replaces 30010175
	M807522	R810336	34°	Offset RH 1-1/2"	1-1/2"10	7"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010002
	M807524	R810336	34°	Straight	1-1/2"10	7"	1/2"	Single bend, 64mm. Includes bracket and hardware. Replaces 30010004
	M807563	-	120°	Offset RH 5/8"	1-1/2"26	5-1/8"	1/2"	Double bend, 65mm.
	M807564	-	120°	Offset LH 5/8"	1-1/2"26	5-1/8"	1/2"	Double bend, 65mm.

SLACK ADJUSTERS

DRIVE AXLE

SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
M808004	R810338	0°	Straight	1-1/2"-10	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20238, 409-20044
M808007	R810301	0°	Straight	1-1/2"-10	6"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20217, 409-20020
M808028		0°	Straight	1-1/2"-10	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20228, 409-20017
M808005	R810300	0°	Straight	1-1/2"-28	5-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20231, 409-20019
M808022	R810300	34°	Straight	1-1/2"-10	5-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20239, 409-20045
M808023	R810300	34°	Straight	1-1/2"-10	6"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20233, 409-20021
M808012	R810302	34°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20229, 409-20018
M808024	R810300	34°	Straight	1-1/2"-28	6"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20250, 409-20050
M808026		34°	Straight	1-1/2"-28	5-1/2"	5/8"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20240, 409-20046
M808029		34°	Straight	1-1/2"-28	6"	1/2"	Single Bend Control Arm. For standard drive axle brakes. Replaces 400-20234, 409-20023




SLACK ADJUSTERS

STEERING AXLE


SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
M808002	R810337	35°	Straight	1-1/4"-10	5-1/2"	1/2"	Single Bend Control Arm. For Kenworth with 8 bag air ride to avoid interference with air bag supports. Replaces 400-20235, 409-20040
M808003	R810337	35°	Straight	1-1/2"-10	5-1/2"	1/2"	Single Bend Control Arm. For Kenworth with 8 bag air ride to avoid interference with air bag supports. Contains ASA & mounting hardware kit. Replaces 400-20236, 409-20009
M808030	n/a	35°	Straight	1-1/2"-28	5-1/2"	1/2"	Single Bend Control Arm. For standard steer axle brakes. Replaces 400-20241, 409-20011



TRAILER AXLE APPLICATIONS FOR 12-1/4" BRAKES

	SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	M808000	R810301	0°	Straight	1-5/8"-37	5-1/2"	1/2"	Single Bend Control Arm. For Delvan trailer axle brakes. Replaces 400-20213, 409-20024
	M808007	R810301	35°	Straight	1-1/2"-10	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-10306, 409-10656
	M808006	R810301	35°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles with 4-hole cam bracket. Replaces 400-20305, 409-20014





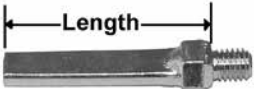
TRAILER AXLE APPLICATIONS FOR 16-1/2" BRAKES

	SELF SETTING PART NUMBER	INCLUDES BRACKET NO.	ANGLE	STRAIGHT/ OFFSET	SPLINE SIZE	ARM LENGTH	BUSHING I.D.	APPLICATION
	M808015	R810301	0°	Straight	1-1/2"-10	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20216, 409-20004
	M808021	R810301	0°	Straight	1-1/2"-10	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20215, 409-20000
	M808013	R810301	0°	Straight	1-1/2"-28	6"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20212, 409-20006
	M808019	R810301	0°	Straight	1-1/2"-28	5-1/2"	1/2"	Double Bend Control Arm. For Meritor, Eaton, Spicer (Dana & Standard Forge) trailer axles. Replaces 400-20211, 409-20002

SLACK ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS






Brake and
Wheel End


HARDWARE				
	EUCLID PART NO.	DESCRIPTION	REPLACES	NOTES
	R810317	Anchor Screw	443-10188	Length 1-1/4", 7/16"-14 thread. Use with R810324 slide nut.
	R810321	Anchor Screw	443-10096	Length 1", 7/16"-14 thread.
	R810319	Bracket		Length 3.5", Width 2.375", .171" Thickness
	R810322	Bushing	452-10058	1/2" I.D. x 5/8" O.D.
	R810323	Bushing	452-10128	Serrated. 5/8" I.D. x 13/16" O.D.
 <p>Length</p>	R810325	Double Flat Stud	443-10299	3" length.
	R810326	Double Flat Stud	443-10290	2-3/4" length.

SLACK
ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS







SLACK ADJUSTERS

HARDWARE					
	EUCLID PART NO.	DESCRIPTION	REPLACES	NOTES	
	R810316	Fitting Kit			
	R810320	Flange Nut	443-10204	7/16"-14 thread.	
	R810318	Grommet	452-10125	1-9/32" length x 11/16" width.	
	R810327	Service Kit	427-10558	Includes 4 cap nuts, 4 anchor pins, 4 bushings. Services 4 ASAs.	
	R810324	Slide Nut	443-10101	7/16"-14 thread.	

SERVICE BRACKET KITS					
	EUCLID PART NO.	APPLICATION	BRACKET STYLE	REPLACES	NOTES
	R810302	Drive and Steer Axle	Clamp	427-10566K	2-1/4" clamp. For use with Mack 16,000 lb.+ brakes.

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS






Brake and
Wheel End

SERVICE BRACKET KITS					
EUCLID PART NO.	APPLICATION	BRACKET STYLE	REPLACES	NOTES	
	Drive Axle	Clamp	427-10421	2-1/4" - 2-1/2" tube clamp.	
	Drive Axle	Clamp	427-10420	2-1/4" - 2-1/2" tube clamp.	
	Steer Axle	Clamp	427-10567K	2" U-bolt clamp.	
	Steer Axle	Clamp	427-10497	2-1/4" clamp. For use with 5/8" offset ASAs.	
	Trailer Axle	Plate and Stud	427-10563	Bracket Kit	
	Trailer Axle	Plate and Stud		Bracket Kit	

SLACK
ADJUSTERS

MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS



SERVICE BRACKET KITS

	EUCLID PART NO.	APPLICATION	BRACKET STYLE	REPLACES	NOTES
	R810308	Trailer Axle	Plate and Stud	427-10565	Cam support bracket with control arm bushing.
	R810304	Steer Axle, Transit	Spider	427-10548	3-3/4" bracket. For use with Mack 16,000 lb.+ steer axle brakes with 1-1/2" offset. Also used on Transit applications.
	R810313		Strap	427-10582	
	R810305	Drive and Steer Axle, Transit	Strap	427-10543	1-1/4" x 6-1/2" strap. For use with Meritor air disc brakes.
	R810306	Drive Axle	Strap	427-10554	1-1/4" x 4-3/4" strap. For use with Kenworth 8 air bag drive axle brakes.

SLACK ADJUSTERS

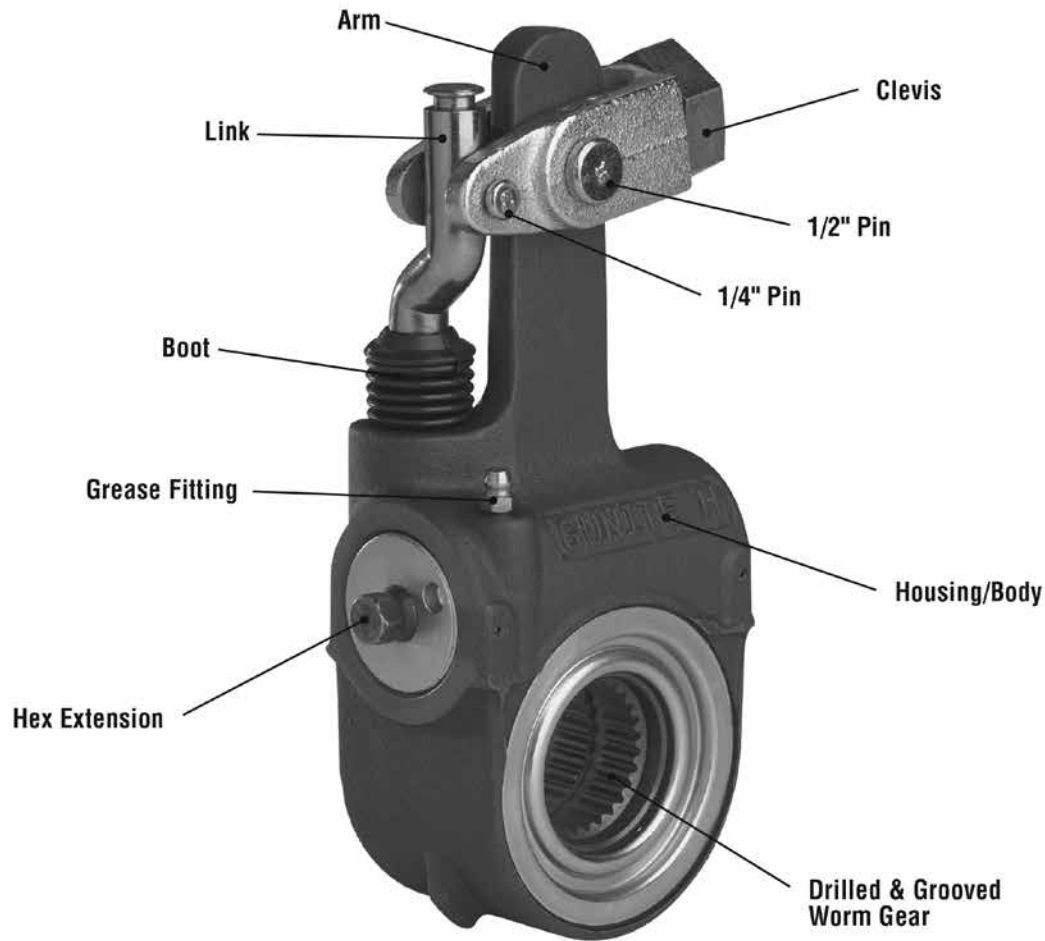
MERITOR CLEARANCE SENSING AUTOMATIC SLACK ADJUSTERS

Brake and
Wheel End

SERVICE BRACKET KITS					
	EUCLID PART NO.	APPLICATION	BRACKET STYLE	REPLACES	NOTES
	R810300	Drive Axle, Transit	Strap	427-10553K	Angled 1-1/4" x 7" strap
	R810312	Transit	Stud	427-10517	

SLACK ADJUSTERS

Gunite Automatic Slack Adjusters



SLACK ADJUSTERS

FEATURES AND BENEFITS

- 5", 5-1/2", 6", 6-1/2" arm lengths
- Straight or offset clevis with 1/2" or 5/8" threads
- Unhanded design
- Unique clearance sensing design and exclusive two-way adjustment
- Compact housing for easy installation
- Double sealed actuator arm
- Drilled worm gear
- Factory lubricated and sealed to protect against dirt, water, salt and other corrosive elements
- Extended life clevis pin bushing
- O-ring on spline gear
- Available in 10, 24, 28, or 37 spline configurations



TRUST MATTERS

GUNITE AUTOMATIC SLACK ADJUSTERS

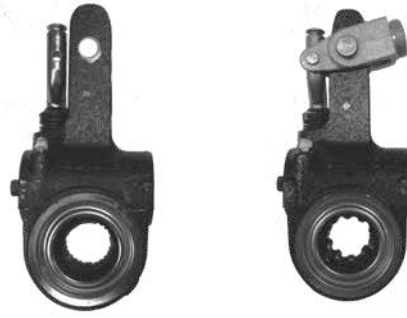
Brake and
Wheel End

GUNITE	EUCLID
AS1032	E-15001
AS1040	E-15009
AS1041	E-15025
AS1031	E-15015
AS1131	E-15015
AS1132	E-15016
AS1033	E-15017
AS1133	E-15017
AS1034	E-15018
AS1134	E-15018
AS1035	E-15019
AS1135	E-15019
AS1036	E-15020
AS1136	E-15020
AS1037	E-15021
AS1137	E-15021
AS1038	E-15022
AS1138	E-15022
AS1039	E-15023
AS1139	E-15023
AS1140	E-15024
AS1141	E-15025
AS1042	E-15026
AS1142	E-15026
AS1043	E-15027
AS1143	E-15027
AS1044	E-15028
AS1144	E-15028
AS1045	E-15029
AS1145	E-15029
AS1146	E-15030
AS1147	E-15031
AS1148	E-15032
AS1149	E-15033
AS1150	E-15034
AS1151	E-15035
AS1152	E-15036
AS1153	E-15037
AS1154	E-15038
AS1155	E-15039
AS1156	E-15040
AS1157	E-15041

GUNITE	EUCLID
AS1159	E-15042
AS1160	E-15043
AS1161	E-15044
AS1162	E-15045
AS1163	E-15046
AS1164	E-15047
AS1165	E-15048
AS1166	E-15049
AS1167	E-15050
AS1168	E-15051
AS1169	E-15052
AS1170	E-15053
AS1171	E-15054
AS1172	E-15055
AS1173	E-15056
AS1174	E-15057
AS1175	E-15058
AS1176	E-15059
AS1179	E-15060
AS3000	E-15061
AS3001	E-15062
AS3002	E-15063
AS3003	E-15064
AS3011	E-15065
AS3012	E-15066
AS3013	E-15067
AS3015	E-15068
AS3016	E-15069
AS3017	E-15070
AS3018	E-15071
AS3019	E-15072
AS3021	E-15073
AS4001	E-15074
AS4004	E-15075
AS4005	E-15076
AS4006	E-15077
AS4007	E-15078
AS4008	E-15079
AS4012	E-15080
AS4013	E-15081
AS4014	E-15082
AS4015	E-15083

SLACK ADJUSTERS

GUNITE AUTOMATIC SLACK ADJUSTERS



Clevised and Unclevised images are representative of parts in list below. Actual parts may vary.

FRONT STEER AXLE APPLICATIONS

EUCLID PART NO.	CLEVIS KIT NO.	SPLINE SIZE	ARM LENGTH	COMMENTS	APPLICATION INFORMATION
E-15019	E-15072	1-1/4"-10	5"	Replaces AS1135	Use clevis with 1.02" pin center
E-15020	E-15072	1-1/4"-10	5-1/2"	Replaces AS1136	Use clevis with 1.02" pin center
E-15036	E-15063	1-1/4"-10	5-1/2"	Replaces AS1152	.625" offset, 1/2" - 20 thread Clevis - 1.02" pin center
E-15037	E-15064	1-1/4"-10	5-1/2"	Replaces AS1153	.625" offset 5/8" - 18 thread Clevis - 1.02" pin center
E-15053	n/a	1-1/4"-10	5-1/2"	Replaces AS1170	Use clevis with 1.30" pin center
E-15021	E-15072	1-1/4"-24	5"	Replaces AS1137	Use clevis with 1.02" pin center
E-15022	E-15072	1-1/4"-24	5-1/2"	Replaces AS1138	Use clevis with 1.02" pin center
E-15038	E-15063	1-1/4"-24	5-1/2"	Replaces AS1154	.625" offset, 1/2" - 20 thread Clevis - 1.02" pin center
E-15016	E-15072	1-1/2"-10	5-1/2"	Replaces AS1132	Use clevis with 1.02" pin center
E-15051	n/a	1-1/2"-10	5-1/2"	Replaces AS1168	Use clevis with 1.02" pin center
E-15024	E-15072	1-1/2"-28	5-1/2"	Replaces AS1140	Use clevis with 1.02" pin center
E-15055	n/a	1-1/2"-28	5-1/2"	Replaces AS1172	Use clevis with 1.30" pin center

SLACK ADJUSTERS



Clevised and Unclevised images are representative of parts in list below. Actual parts may vary.

REAR DRIVE AXLE APPLICATIONS

EUCLID PART NO.	CLEVIS KIT NO.	SPLINE SIZE	ARM LENGTH	COMMENTS	APPLICATION INFORMATION
E-15015	E-15069	1-1/2"-10	5"	Replaces AS1131	Use clevis with 1.02" pin center
E-15016	n/a	1-1/2"-10	5-1/2"	Replaces AS1132	Use clevis with 1.02" pin center
E-15040	E-15064	1-1/2"-10	5-1/2"	Replaces AS1156	.625" offset 5/8" - 18 thread clevis - 1.02" pin center
E-15051	n/a	1-1/2"-10	5-1/2"	Replaces AS1168	Use clevis with 1.30" pin center
E-15017	E-15069	1-1/2"-10	6"	Replaces AS1133	Use clevis with 1.02" pin center
E-15052	n/a	1-1/2"-10	6"	Replaces AS1169	Use clevis with 1.30" pin center
E-15018	E-15069	1-1/2"-10	6-1/2"	Replaces AS1134	Use clevis with 1.02" pin center
E-15057	n/a	1-1/2"-10	6-1/2"	Replaces AS1174	Use clevis with 1.30" pin center
E-15023	E-15069	1-1/2"-28	5"	Replaces AS1139	Use clevis with 1.02" pin center
E-15024	E-15072	1-1/2"-28	5-1/2"	Replaces AS1140	Use clevis with 1.02" pin center
E-15041	E-15064	1-1/2"-28	5-1/2"	Replaces AS1157	.625" offset 5/8" - 18 thread Clevis - 1.02" pin center
E-15055	n/a	1-1/2"-28	5-1/2"	Replaces AS1172	Use clevis with 1.30" pin center
E-15025	E-15069	1-1/2"-28	6"	Replaces AS1041 and AS1141	Use clevis with 1.02" pin center
E-15056	n/a	1-1/2"-28	6"	Replaces AS1173	Use clevis with 1.30" pin center
E-15026	E-15069	1-1/2"-28	6-1/2"	Replaces AS1142	Use clevis with 1.02" pin center
E-15058	n/a	1-1/2"-28	6-1/2"	Replaces AS1175	Use clevis with 1.30" pin center

SLACK ADJUSTERS

GUNITE AUTOMATIC SLACK ADJUSTERS










Clevised and Unclevised images are representative of parts in list below. Actual parts may vary.

TRAILER AXLE APPLICATIONS






EUCLID PART NO.	CLEVIS KIT NUMBER	SPLINE SIZE	ARM LENGTH	COMMENTS	APPLICATION INFORMATION
E-15030	E-15071	1-1/2"-10	5-1/2"	Replaces AS1146	Use clevis with 1.02" pin center
E-15045	E-15073	1-1/2"-10	5-1/2"	Replaces AS1162	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15051	n/a	1-1/2"-10	5-1/2"	Replaces AS1168	Use clevis with 1.30" pin center
E-15031	E-15071	1-1/2"-10	6"	Replaces AS1147	Use clevis with 1.02" pin center
E-15046	E-15073	1-1/2"-10	6"	Replaces AS1163	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15052	n/a	1-1/2"-10	6"	Replaces AS1169	Use clevis with 1.30" pin center
E-15032	E-15071	1-1/2"-10	6-1/2"	Replaces AS1148	Use clevis with 1.02" pin center
E-15047	E-15073	1-1/2"-10	6-1/2"	Replaces AS1164	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15057	n/a	1-1/2"-10	6-1/2"	Replaces AS1174	Use clevis with 1.30" pin center
E-15033	E-15071	1-1/2"-28	5-1/2"	Replaces AS1149	Use clevis with 1.02" pin center
E-15048	E-15073	1-1/2"-28	5-1/2"	Replaces AS1165	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15055	n/a	1-1/2"-28	5-1/2"	Replaces AS1172	Use clevis with 1.30" pin center
E-15034	E-15071	1-1/2"-28	6"	Replaces AS1150	Use clevis with 1.02" pin center
E-15049	E-15073	1-1/2"-28	6"	Replaces AS1166	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15056	n/a	1-1/2"-28	6"	Replaces AS1173	Use clevis with 1.30" pin center
E-15035	E-15071	1-1/2"-28	6-1/2"	Replaces AS1151	Use clevis with 1.02" pin center
E-15050	E-15073	1-1/2"-28	6-1/2"	Replaces AS1167	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15058	n/a	1-1/2"-28	6-1/2"	Replaces AS1175	Use clevis with 1.30" pin center
E-15027	E-15071	1-5/8"-37	5-1/2"	Replaces AS1143	Use clevis with 1.02" pin center
E-15042	E-15073	1-5/8"-37	5-1/2"	Replaces AS1159	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15028	E-15071	1-5/8"-37	6"	Replaces AS1144	Use clevis with 1.02" pin center
E-15043	E-15073	1-5/8"-37	6"	Replaces AS1160	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center
E-15029	E-15071	1-5/8"-37	6-1/2"	Replaces AS1145	Use clevis with 1.02" pin center
E-15044	E-15073	1-5/8"-37	6-1/2"	Replaces AS1161	Extended length collar lock Clevis with stainless steel pins - 1.02" pin center

SLACK ADJUSTERS

HARDWARE

	EUCLID PART NO.	CLEVIS TYPE	STYLE	PUSH ROD THREAD	COMMENTS	APPLICATION INFORMATION
	E-15061	Threaded	Straight	5/8"-18	Replaces AS3000	
	E-15062	Threaded	Straight	1/2"-20	Replaces AS3001	
	E-15063	Threaded	5/8" Offset	1/2"-20	Replaces AS3002	
	E-15064	Threaded	5/8" Offset	5/8"-18	Replaces AS3003	
	E-15066	Threaded	Straight	1/2"-20	Replaces AS3012	For application with 5/8" Clevis Pins
	E-15067	Extended Threaded	Straight	5/8"-18	Replaces AS3013	
	E-15068	Extended Threaded	Straight	5/8"-18	Replaces AS3015	Furnished with Stainless Steel Clevis Pins

SLACK ADJUSTERS

HARDWARE						
	EUCLID PART NO.	CLEVIS TYPE	STYLE	PUSH ROD THREAD	COMMENTS	APPLICATION INFORMATION
	E-15069	Collar Lock	Straight	5/8"-18	Replaces AS3016	
	E-15070	Collar Lock	Straight	1/2"-20	Replaces AS3017	
	E-15071	Extended Collar Lock	Straight	5/8"-18	Replaces AS3018	
	E-15072	Collar Lock	Straight	1/2"-20 & 5/8"-18	Replaces AS3019	Furnished with (1) 1/2" and (1) 5/8" Collar Nuts
	E-15073	Extended Collar Lock	Straight	5/8"-18	Replaces AS3021	With Stainless Steel Clevis Pins

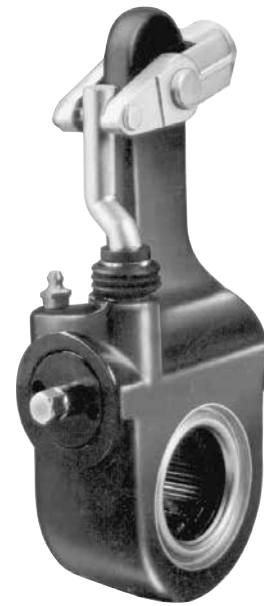
Above referenced kits contain a Clevis that has a 1.02" pin center distance. When installing or replacing a Gunite Automatic Slack Adjuster, it is recommended that a new clevis assembly be installed in accordance with the Gunite Automatic Slack Adjuster Service Manual.

STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER KITS

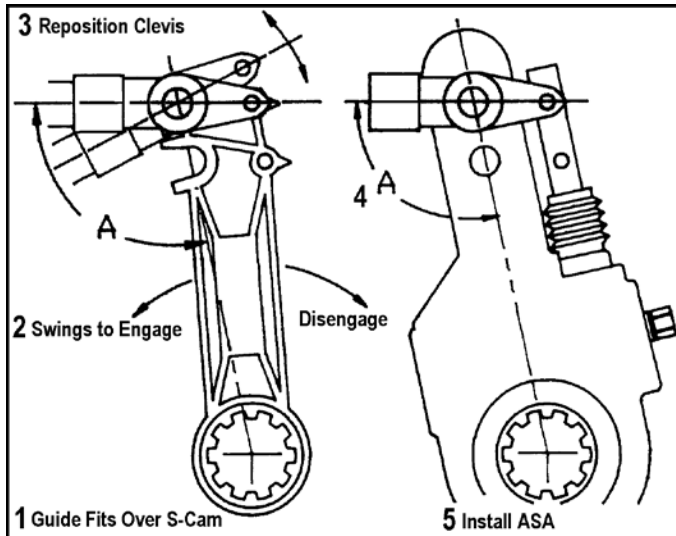
Brake and
Wheel End

FEATURES

- Clearance AND Load Sensing
- Link Rod Actuation
- Adjusts on Return Stroke
- Easy Manual Adjustment
- Extra Grease Sealing
- Fewer Part Numbers for Full Coverage:
 - Less Confusion
 - Reduced Inventory
- "User-Friendly" Installation Guide
 - Included in Each Kit
- Corrosion Resistant "E" Coating



INSTALLATION GUIDE



PROCEDURE

1. Guide fits on the S-Cam before Automatic Slack Adjuster is installed.
2. Installation guide easily swings to engage clevis pin.
3. Reposition clevis until holes line up with guide.
4. Guide indicates exact set up angle "A".
5. Automatic Slack Adjuster is now installed without excessive manual adjustment that wears adjuster components.

SLACK ADJUSTERS

STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER CROSS REFERENCE

STEMCO#	CREWSON#	EUCLID#	TYPE
MK24100S	CI24100	E-6987B	Non-Check
MK24300S	CI24300	E-6988B	Non-Check
MK25100S	CI25100	E-6989B	Non-Check
MK25300S	CI25300	E-6990B	Non-Check
MK21103SB	CI21103	E-6991B	Non-Check
MK21102SB	CI21102	E-6992B	Non-Check
MK22103SB	CI22103	E-6993B	Non-Check
MK22102SB	CI22102	E-6994B	Non-Check
MK23103SB	CI23103	E-6995B	Non-Check
MK23102SB	CI23102	E-6996B	Non-Check
MK42100SA	CI42100	E-10779A	Auto-Check
MK41100SA	CI41100	E-10780A	Auto-Check
MK42106SA	CI42106	E-10781A	Auto-Check
MK41106SA	CI41106	E-10782A	Auto-Check
MK43106SA	CI43106	E-10783A	Auto-Check
MK34100SA	CI34100	E-10784A	Auto-Check
MK42100SA	CI72100	E-10785A	Auto-Check
MK41100SA	CI71100	E-10786A	Auto-Check
MK43106SA		E-10787A	Auto-Check
MK42106SA	CI72106	E-10788A	Auto-Check
MK41106SA	CI71106	E-10789A	Auto-Check
MK22153SE	CI22153	E-10949B	Non-Check
MK21153SE	CI21153	E-10950B	Non-Check
MK44101SA		E-11872	Auto-Check
MK42101SA	CI42101	E-11873	Auto-Check
MK43101SA		E-11875	Auto-Check
MK35100SA	CI35100	E-11877	Auto-Check
MK351200SA	CI35200	E-11879	Auto-Check
MK34200SA	CI34200	E-11880	Auto-Check

SLACK ADJUSTERS

STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER KITS

Brake and
Wheel End


15" STEERING AXLE APPLICATION

	EUCLID KIT NO.	INCLUDES CLEVIS	SPLINE SIZE	ARM LENGTH	GENERAL INFORMATION
	E-6988B	5/8"-18 Offset 5/8"	1-1/4"-10	5-1/2"	For Meritor T Series & Eaton Single Anchor Brakes.
	E-6987B	5/8"-18 Straight			
	E-6990B	5/8"-18 Offset 5/8"	1-1/4"-24	5-1/2"	For Meritor Q and T Series Brakes.
	E-6989B	5/8"-18 Straight			

16-1/2" DRIVE AND TRAILER AXLE APPLICATION

	EUCLID KIT NO.	INCLUDES CLEVIS	SPLINE SIZE	ARM LENGTH	GENERAL INFORMATION
	E-6991B	5/8"-18 Straight	1-1/2"-10	5" - 6"	For Bendix, Eaton, Fruehauf, Meritor and Spicer Brakes.
	E-6992B	5/8"-18 Straight	1-1/2"-10	5-1/2" - 6-1/2"	
	E-6993B	5/8"-18 Straight	1-1/2"-28	5" - 6"	For Eaton, Meritor and Spicer Brakes.
	E-6994B	5/8"-18 Straight	1-1/2"-28	5-1/2" - 6-1/2"	
	E-6995B	5/8"-18 Straight	1-5/8"-37	5" - 6"	For Fruehauf Brakes.
E-6996B	5/8"-18 Straight	1-5/8"-37	5-1/2" - 6-1/2"		


12-1/4" TRAILER AXLE APPLICATION

	EUCLID KIT NO.	INCLUDES CLEVIS	SPLINE SIZE	ARM LENGTH	GENERAL INFORMATION
	E-10950B	5/8"-18 Straight		1-1/2"-10	5" - 6"
E-10949B	5/8"-18 Straight		1-1/2"-28	5" - 6"	





NOTE: 14° Curve in Control Arm

SLACK ADJUSTERS

STEMCO/CREWSON AUTO-CHECK™ AUTOMATIC SLACK ADJUSTER KITS

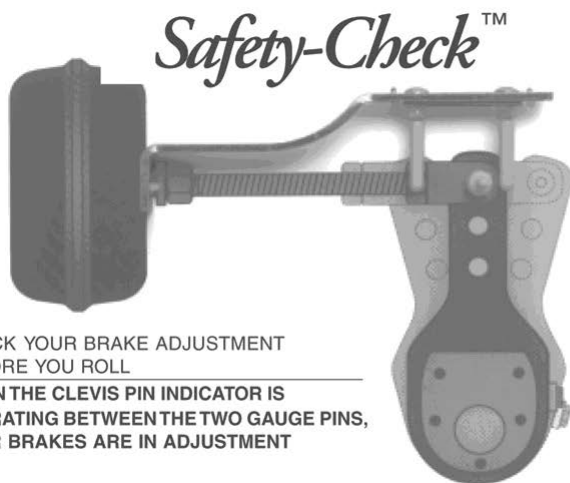
	EUCLID NO.	INCLUDES CLEVIS	SPLINE SIZE	ARM LENGTH	CHAMBER SIZE	CHAMBER STROKE	GENERAL INFORMATION
	E-11880	1/2"-20 Straight	1-1/4"-10	5-1/2"	Type 16/20	Standard	For 15" Meritor and Eaton Steer Axle Applications
	E-10784A	5/8"-18 Straight			Type 20/24		
	E-11879	1/2"-20 Straight	1-1/4"-24	5-1/2"	Type 16/20	Standard	For Meritor Q & T Series Brakes.
	E-11877	5/8"-18 Straight			Type 24		
	E-10780A	5/8"-18 Straight	1-1/2"-10	5-1/2"	Type 30	Standard	For 16-1/2" Meritor and Eaton Drive Axle Applications.
	E-10782A					6"	Standard
	E-10785A	5/8"-18 Straight	1-1/2"-28	5-1/2"	Type 30	Long Stroke	For 16-1/2" Meritor and Eaton Drive Axle Applications.
	E-10779A					Standard	
	E-10788A					Long Stroke	
	E-10781A			Standard			
	E-11873			Standard			
E-10783A	5/8"-18 Straight			1-5/8"-37		6"	Type 30

STEMCO/CREWSON AUTOMATIC SLACK ADJUSTER CLEVIS KITS

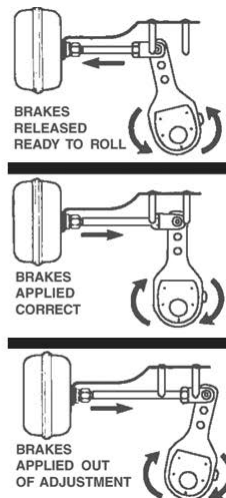
	EUCLID KIT NO.	FITS PUSH ROD THD.	STRAIGHT OR OFFSET	GENERAL INFORMATION
	E-9135	5/8"-18	5/8" Offset	Clevis Kit contains: 1 1/2" Pin, 1 1/4" Pin, 1 Clevis, 2 Cotter Pins. Note: To be used with early design only. Pin C/L to C/L is 1-1/4". Color is Gold.
	E-9132	1/2"-20	Straight	Clevis Kit contains: 1 1/2" Pin, 1 1/4" Pin, 1 Clevis, 2 Cotter Pins. Note: To be used with early design only. Pin C/L to C/L is 1-1/4". Color is Gold.
	E-9133	5/8"-18	Straight	
	E-11884	1/2"-20	5/8" Offset	Clevis Kit contains: 1 1/2" Pin, 1 1/4" Pin, 1 Clevis, 2 Cotter Pins. Note: To be used with current design only. Pin C/L to C/L is 1-3/8". Color is Black.
	E-11885	5/8"-18	5/8" Offset	
	E-11883	1/2"-20	Straight	Clevis Kit contains: 1 1/2" Pin, 1 1/4" Pin, 1 Clevis, 2 Cotter Pins. Note: To be used with current design only. Pin C/L to C/L is 1-3/8". Color is Black.
	E-11882	5/8"-18	Straight	
	E-11881	1/2"-20	Straight Auto Check	
	E-11890	5/8"-18	Straight Auto Check	






SAFETY CHECK™ BRAKE GAUGES

Brake and Wheel End



CHECK YOUR BRAKE ADJUSTMENT BEFORE YOU ROLL
 WHEN THE CLEVIS PIN INDICATOR IS OPERATING BETWEEN THE TWO GAUGE PINS, YOUR BRAKES ARE IN ADJUSTMENT



	EUCLID NO.	DESCRIPTION
 Drive Axle	E-10093A	1/2" Drive Axle Kit
	E-10094A	5/8" Drive Axle Kit
 Steer Axle	E-10095A	1/2" Steer Axle Kit
	E-10096A	5/8" Steer Axle Kit
 Trailer Axle Intraax	E-10092A	Trailer Axle Kit
	E-10885	INTRAAAX® Trailer Axle Kit
	E-10097	1/2" Clevis Pin
	E-10097G	1/2" Grease Type Clevis Pin
	E-10098	5/8" Clevis Pin
	E-10098G	5/8" Grease Type Clevis Pin
	E-10952	Greaseable Clevis Pin

SLACK ADJUSTERS

SECTION 4 — BRAKE CHAMBERS

Brake and
Wheel End


EUCLID BRANDED CAM SPRING BRAKES AND COMPONENTS	4-2
TSE BRAKES INC.	4-4
TSE RECOMMENDED TORQUE	4-5
ULTRALIFE	4-6
OMNIBRAKE	4-8
SEVERE DUTY	4-10
HOT - HIGH OUTPUT TECHNOLOGY	4-11
OTHER TSE COMPONENTS	4-12
TSE PARTS LIST	4-12
BRAKE CHAMBER INSTALLATION	4-13
WELDED CLEVIS EXPLANATION	4-19
TSE TROUBLE SHOOTING GUIDE	4-20
TSE BRAKES DATE CODES	4-22
HALDEX CAM SPRING BRAKES AND COMPONENTS	4-24
WEDGE SPRING BRAKES AND COMPONENTS	4-27
HALDEX SERVICE COMPONENTS	4-27
HALDEX CAM SPRING BRAKES AND COMPONENTS	4-28
HALDEX SERVICE COMPONENTS	4-29

EUCLID BRANDED CAM SPRING BRAKES AND COMPONENTS


SEALED SPRING BRAKE COMBINATION UNITS FOR S-CAM BRAKES

	EUCLID NO.	MODEL NO.	PUSH ROD THREAD SIZE	STROKE	CLEVIS INCLUDED
	E-BC2024C	2024	2024	5/8"-18	Standard 2.5"
E-BC2424C	2424	2424	5/8"-18	Standard 2.5"	Y(1)
E-BC2430C	2430	2430	5/8"-18	Standard 2.5"	Y(1)
E-BC2430C-EL	2430	2430	5/8"-18	Long Stroke 3"	Y(1)
E-BC3030CPLBX	3030	3030	5/8"-18	Standard 2.5"	Y(1)
E-BC3030C-EL	3030	3030	5/8"-18	Long Stroke 3"	Y(1)
E-BC3036C	3036	3036	5/8"-18	Standard 2.5"	N
E-BC3636C	3636	3636	5/8"-18	Standard 2.5"	N

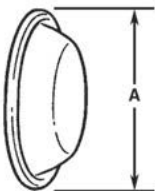
SEALED SPRING BRAKE PIGGYBACK UNITS FOR S-CAM BRAKES

	EUCLID NO.	MODEL NUMBER	STROKE	CLEVIS INCLUDED
	E-BC3030P-L	3030	3030	Standard 2.25"
E-BC3030PK-L	3030	3030	Standard 2.25"	N
E-BC3030P-EL	3030	3030	Long Stroke 3"	N
E-BC3030PK-EL	3030	3030	Long Stroke 3"	N

BRAKE SERVICE CHAMBERS FOR S-CAM BRAKES

	EUCLID NO.	MODEL NO.	PUSH ROD THREAD SIZE	STROKE	CLEVIS INCLUDED
	E-BC12S	Type 12	Type 12	1/2"-20	Standard 1.75"
E-BC16S	Type 16	Type 16	1/2"-20	Standard 2.25"	Y(2)
E-BC20S	Type 20	Type 20	5/8"-18	Standard 2.25"	Y(1)
E-BC24S	Type 24	Type 24	5/8"-18	Standard 2.25"	Y(1)
E-BC24S-EL	Type 24L	Type 24L	5/8"-18	Long Stroke 3"	Y(1)
E-BC30S	Type 30	Type 30	5/8"-18	Standard 2.25"	Y(1)
E-BC30S-EL	Type 30L	Type 30L	5/8"-18	Long Stroke 3"	Y(1)

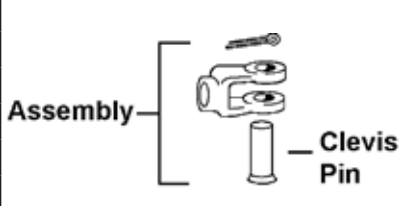
BRAKE SERVICE CHAMBER DIAPHRAGMS - NYLON FABRIC REINFORCED RUBBER






	EUCLID NO.	FOR SERVICE CHAMBER	"A" DIAMETER
	E-8890	Type 16 Cam	Type 16 Cam
E-8891	Type 20 Cam	Type 20 Cam	6-1/2"
E-8892	Type 24 Cam	Type 24 Cam	7-1/8"
E-11888	Type 24 Extra Long Stroke	Type 24 Extra Long Stroke	7-1/8"
E-8894	Type 30 Cam	Type 30 Cam	7-7/8"
E-11889	Type 30 Extra Long Stroke	Type 30 Extra Long Stroke	7-7/8"
E-8895	Type 36 Cam	Type 36 Cam	8-3/4"

BRAKE CHAMBERS

EUCLID BRANDED CAM SPRING BRAKES AND COMPONENTS

Brake and
Wheel End

CLEVIS ASSEMBLIES AND CLEVIS PINS				
 <p>Assembly — Clevis Pin</p>	EUCLID NO.	DESCRIPTION	CLEVIS THREAD SIZE	CLEVIS PIN DIA.
	E-11989	Clevis Pin		1/2"
	E-11990	Clevis Pin		5/8"
	E-8896	Clevis Assembly	1/2"-20	1/2"
	E-8897	Clevis Assembly	5/8"-18	1/2"
	E-8898	Clevis Assembly	5/8"-18	5/8"
	E-8899	Clevis Assembly	3/4"-16	1/2"

AIR CHAMBER BRACKETS		
	EUCLID NO.	GENERAL INFORMATION
	E-2096	Meritor Paymaster 4" x 6" Axle. For 16-1/2" Brakes.
	E-2518A	Spicer and Standard Forge Axles. 5/16" Thick. Also used on any 5" Round Axle using Spring Brakes. For 16-1/2" Brakes.
	E-2681A	Meritor 5" Round Axle. For 16-1/2" Brakes.
	E-3781	Fruehauf Pro-Par® Axle with 16-1/2" Brakes. Allows use of 5-1/2" or 6" Slack Adjusters. Sold as Set Only.
	E-631	Universal for Most 4-1/2" and 5" Round Axles. 5/16" Thick. Used with Spring Brakes. For 16-1/2" Brakes.

Part Description (Can be different from Customer Specified Part Name)

U.S. SIZE SERVICE	U.S. SIZE PARKING	TYPE	STYLE			PUSHROD STYLE	STROKE MM = METRIC	PRODUCT LINE
20	24	T	L			D	64	H
↓	↓	↓	↓			↓	↓	↓
Defines Type of Service Chamber	Defines Type of Parking Chamber	Defines as Single, Tandem or Service Chamber	Defines Style/ Make of Unit			Defines Application: Disc Brake or S-Cam	Specifies Stroke of Unit	Additional Features otherwise leave blank
↓	↓	↓	↓	↓	↓	↓	↓	
Sizes Available	Sizes Available	S = Single T = Tandem SC = Service Chamber	Service	Parking	Adapter Base			Skip if OMNI or standard
12 14 16 18 20 22 24 27 30 33 36 etc.	24 30 36 etc.		L = Sealed N = Clamped M = Clamped Z = Sealed Y = Clamped A = Clamped B = Clamped	Sealed Sealed Clamped RPSEAL RPSeal Sealed Clamped	Steel Steel Steel Steel Steel Alum Alum	D if unit is for Disc Brake Application Leave blank if unit is for Drum Brake application W if unit has welded Clevis P/R	Metric Ports Metric Mounting Bolts 57mm 64mm 65mm 76mm Stroke	UL = Ultra-Life P = (Plus) Non contact Spring F = HD Spring Force K = Add Service Clamps & Diaphragm (No NPH for SC Type) D = Dura Brake R = Remote DX = Disc - Welded Clevis G = Pin Lock chamber A = Alumline H = HOT (Piston Performance)
							English Ports English Mounting Bolts*** 0 = 1.75" 1 = 2.25" 2 = 2.50" 3 = 3.00"	

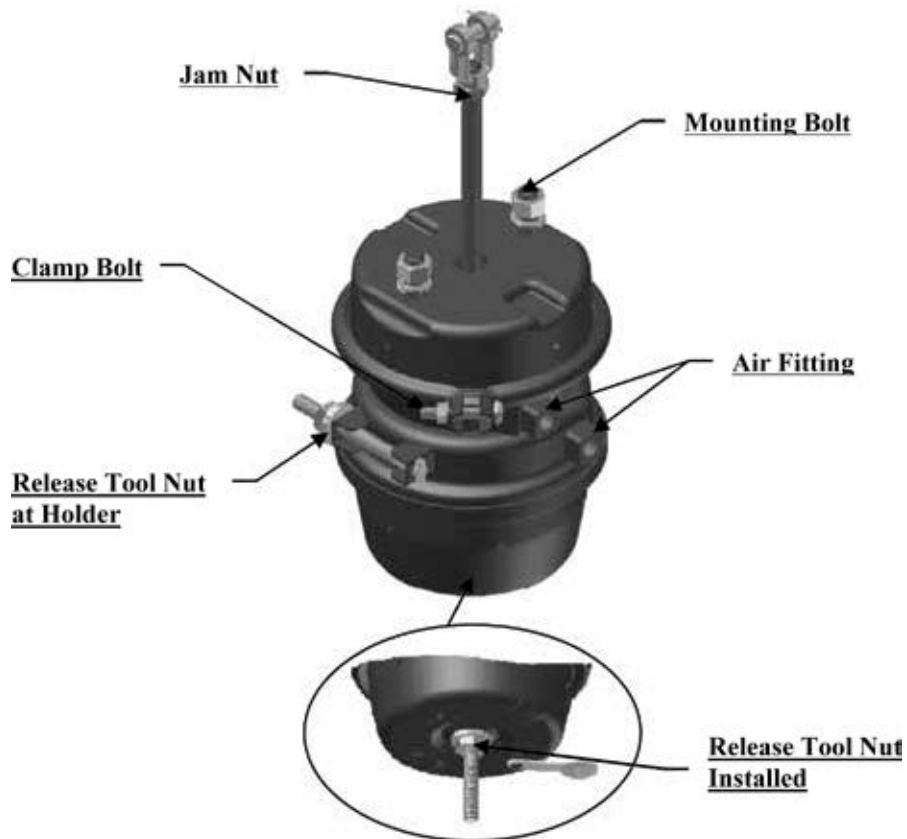
***Disc Brakes use Metric mounting Bolts Only.

HOT PERFORMANCE KEY
 SIZE 24 = PERFORMANCE SIZE 30
 SIZE 30 = PERFORMANCE SIZE 33
 SIZE 36 = PERFORMANCE SIZE 40

BRAKE CHAMBERS

TSE RECOMMENDED TORQUE

Brake and
Wheel End



DESCRIPTION	TORQUE	
	INITIAL	FINAL
JAM NUT	FT-LB [N-M]	FT-LB [N-M]
1/2-20 UNF		45-50 [61-69]
5/8-18 UNF & M16x1.5		45-50 [61-69]
3/4-16 UNF		45-50 [61-69]
MOUNTING BOLT		
7/16-20 UNF	10-15 [14-20]	39-43 [53-58]
5/8-11 UNC & M16x1.5	59-75 [80-100]	133-155 [180-210]
CLAMP BOLT		
3/8-16 UNC		22-31 [30-42]
Long shipping or storage duration, re-torque bolt		22-31 [30-42]
AIR FITTING		
3/8-18 NPTF & M16x1.5		25-33 [35-45]
RELEASE TOOL AT HOLDER		
1/2-10 R.H. Acme Thread		5-11 [7-15]
RELEASE TOOL INSTALLED		
1/2-10 R.H. Acme Thread		35 [47]

BRAKE CHAMBERS



- Innovative "UL" inverted housing design eliminates coil to coil contact as well as coil to spring housing contact to provide longer spring life
- "No Touch" design helps minimize the effects of inclusions and seams that can cause premature spring failure
- Improved spring manufacturing process — "UL" coated power spring
- TSE in-house e-coating, plus extra layer of powder coating protection
- E-coated power spring helps reduce corrosion
- OEM premium first fit and OEM quality replacement
- Long rod, cut rod, or welded clevis options available
- Available in 3030 only — 2.5" and 3" stroke options
- Available with clevis — welded clevis option available
- Clamped service side or double sealed chamber options
- 6 year standard warranty (excluding severe duty)

BRAKE CHAMBERS

TANDEM SPRING BRAKES

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TN2UL-C	3030 Tandem	2.5"	Yes
3030TN3UL-C	3030 Tandem Long Stroke	3"	Yes
3030SN2ULK	3030 Piggyback kit (now with wide clamp design)	2.5"	---
3030SN3ULK	3030 Piggyback kit long stroke (now with wide clamp design)	3"	---

3030 SPECIAL & DIRECT FIT (OEM)

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TN2UL-HNTRX-C*	3030 Tandem 15.00" Rod	2.5"	Yes
3030TN3UL-HNTRX-C*	3030 Tandem long stroke 15.00" Rod	3"	Yes
3030TL2UL-2891	3030 Tandem 5.75" rod, sealed service side, caged	2.5"	No
3030TL2UL-2878*	3030 Tandem 9.75" rod, sealed service side, caged	2.5"	No
3030TL3UL-2793	3030 Tandem 5.75", sealed service side, caged, long stroke	3"	Yes
3030TL3UL-2890*	3030 Tandem 9.75", sealed service side, caged, long stroke	3"	Yes

TANDEM WITH WELDED CLEVIS

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TNW2UL-2927	3030 Tandem welded yoke (Mack®, Volvo®, Navistar®, Freightliner®)	2.5"	Welded
3030TNW3UL-2997	3030 Tandem LS welded yoke (Mack, Volvo, Navistar, Freightliner)	3"	Welded
3030TNW2UL-3617	3030 Tandem welded yoke (Kenworth®, Peterbilt®)	2.5"	Welded
3030TNW3UL-3618	3030 Tandem long stroke welded yoke (Kenworth, Peterbilt)	3"	Welded
3030TNW2UL-3619	3030 Tandem for standard trailer axle (6.80")	2.5"	Welded
3030TNW3UL-3621	3030 Tandem long stroke for standard trailer axle (6.80")	3"	Welded
3030TNW2UL-3620	3030 Tandem welded yoke for INTRAAX®	2.5"	Welded
3030TNW3UL-3622	3030 Tandem long stroke welded yoke for INTRAAX®	3"	Welded

NON-STOCK ULTRALIFE PRODUCT AVAILABLE UPON REQUEST

3030SN2ULK	3030TL3UL-2890	3030TN3UL-2840	3030TN76UL-3508
3030SN3ULK	3030TN2UL	3030TN3UL-2879	3030TNW2UL-2927
3030TL2UL	3030TN2UL-2889	3030TN3UL-2922	3030TNW2UL-3617
3030TL2UL-2850	3030TN2UL-2920	3030TN3UL-2923	3030TNW2UL-3619
3030TL2UL-2878	3030TN2UL-2921	3030TN3UL-3683	3030TNW2UL-3620
3030TL2UL-2891	3030TN2UL-C	3030TN3UL-C	3030TNW3UL-2997
3030TL2UL-3504	3030TN2UL-HNTRX	3030TN3UL-HNTRX	3030TNW3UL-3618
3030TL2UL-3723	3030TN2UL-HNTRX-C	3030TN3UL-HNTRX-C	3030TNW3UL-3621
3030TL3UL	3030TN3UL	3030TN65UL-3507	3030TNW3UL-3622
3030TL3UL-2793	3030TN3UL-2839		

*LS= Long Stroke

*Part numbers ending in "HNTRX" are pre-cut for INTRAAX® & VANTRAAX® suspension (direct fit)



- All steel spring housing and center section
- New rolled manufacturing process for increased corrosion protection
- New anti-clash housing change
- New anti-clash spring design
- High performance — specially coated with zinc phosphate base then e-coated for maximum corrosion protection
- TSE's in-house full immersion e-coating guarantees 100% coating for the best corrosion protection in the industry
- OEM standard first fit and OEM quality replacement
- All steel modular design offers more size options across the entire product line
- Size options from 2024 to 3636 — 2.25', 2.5' and 3" stroke options
- Available with clevis — welded clevis option available
- Clamped service side or double sealed chamber options
- New 4 year standard warranty (excluding severe duty)

BRAKE CHAMBERS

TANDEM SPRING BRAKES			
PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TN2-C	3030 Tandem	2.5"	Yes
2024TN2-C	2024 Tandem	2.5"	Yes
2424TN2-C	2424 Tandem	2.5"	Yes
2430TN2-C	2430 Tandem	2.5"	Yes
3036TN2-C	3036 Tandem	2.5"	Yes
3036TN3-C	3036 Tandem	3"	Yes
3636TN3-C	3636 Tandem	3"	Yes
2430TN3-C	2430 Tandem long stroke	3"	Yes
3030TN3-C	3030 Tandem long stroke	3"	Yes
3030SN2K-3001	3030 Piggyback kit (now with wide clamp design)	2.5"	---
3030SN3K-3003	3030 Piggyback kit long stroke (now with wide clamp design)	3"	---

3030 SPECIAL & DIRECT FIT (OEM)

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TN2-HNTRX-C*	3030 Tandem 15.00" Rod	2.5"	Yes
3030TN3-HNTRX-C*	3030 Tandem long stroke 15.00" Rod	3"	Yes
3030TL2-2401	3030 Tandem 5.75" rod, sealed service side, caged	2.5"	No
3030TL2-2412*	3030 Tandem 9.75" rod, sealed service side, caged	2.5"	No
3030TL3-3265	3030 Tandem 5.75", sealed service side, caged, long stroke	3"	Yes
3030TL3-2517	3030 Tandem 9.75", sealed service side, caged, long stroke	3"	Yes

TANDEM WITH WELDED CLEVIS

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TNW2-2998	3030 Tandem welded yoke (Mack, Volvo, Navistar, Freightliner)	2.5"	Welded
3030TNW3-2273	3030 Tandem LS welded yoke (Mack, Volvo, Navistar, Freightliner)	3"	Welded
3030TNW2-3612	3030 Tandem welded yoke (Kenworth, Peterbilt)	2.5"	Welded
3030TNW3-3611	3030 Tandem long stroke welded yoke (Kenworth, Peterbilt)	3"	Welded
3030TNW2-3613	3030 Tandem for standard trailer axle (6.80")	2.5"	Welded
3030TNW3-3615	3030 Tandem long stroke for standard trailer axle (6.80")	3"	Welded
3030TNW2-3614	3030 Tandem welded yoke for INTRAAX®	2.5"	Welded
3030TNW3-3616	3030 Tandem long stroke welded yoke for INTRAAX®	3"	Welded

NON-STOCK OMNIBRAKE PRODUCT AVAILABLE UPON REQUEST

2430TN2	3030TL2-2379	3030TN2-2338	3030TN2-HNTRX-C	3030TNW3-3615
2430TN2-C	3030TL2-2387	3030TN2-2459	3030TN3	3030TNW3-3616
2430TN3-C	3030TL2-3740	3030TN2-2769	3030TN3-2390	3030TNW3F-3400
2430TN76F-3702	3030TL3	3030TN2-2880	3030TN3-2887	3036TL2
2430TN76P-3479	3030TL3-2456	3030TN2-1858	3030TN3-3497	3036TL3
3030SN2	3030TL3-2492	3030TN2-2134	3030TN3-3641	3036TN2
3030SN2K	3030TL3-2493	3030TN2-2338	3030TN3-3643	3036TN2-4.5BC
3030SN2K-3001	3030TL3-2517	3030TN2-2459	3030TN3-C	3036TN3
3030SN3	3030TL3-3265	3030TN2-2769	3030TN3F-B1	3636TN3
3030SN3K	3030TLW3-2905	3030TN2-2880	3030TN3-HNTRX	3636TN3-2624
3030SN3K-3003	3030TN2	3030TN2-CF	3030TN3-HNTRX-C	3636TN3-3155
3030TL2	3030TN2-1858	3030TN2H-B1	3030TN65-3505	3636TN3-C
3030TL2-1674	3030TN2-2134	3030TN2-HNTRX	3030TNW3-3611	3636TN3H-3156

*LS= Long Stroke

*Part numbers ending in "HNTRX" are pre-cut for INTRAAX® & VANTRAAX® suspension (direct fit)

severe duty™



ULTRALIFE SEVERE



OMNIBRAKE SEVERE

- Available in Omnibrake and Ultralife models
- Includes all the features of Omnibrake or Ultralife plus.
- Accordion style boot cover
 - Neoprene impregnated rubber for long life
 - Protects piston rod
 - Allows less outside contaminants into piston rod hole providing increased durability
- Stainless steel clevis pin
 - Recommended for brakes that are started and stopped more frequently
 - Helps prevent seizing at connection between chamber and slack
 - Increased resistance to chemicals
 - Excellent for salt water port applications
- All Breather holes are plugged except for two holes per tandem
 - Allows less outside material into chamber for longer service life
 - Allows chamber to drain and breathe

BRAKE CHAMBERS

ULTRALIFE			
PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TN2UL-3832	300 Tandem standard stroke severe applications (concrete, waste)	2.5"	Yes
3030TN3UL-3834	3030 Tandem long stroke severe applications (concrete, waste)	3"	Yes

OMNIBRAKE			
PART NUMBER	DESCRIPTION	STROKE	CLEVIS
3030TN2-3831	300 Tandem standard stroke severe applications (concrete, waste)	2.5"	Yes
3030TN3-3833	3030 Tandem long stroke severe applications (concrete, waste)	3"	Yes



- Double Diaphragm Technology
- More Powerful, Higher Output
- Guaranteed Seal Protection for Disk Brake Actuators
- Larger Size Range
- Lighter, Shorter Profile

TANDEM CHAMBERS FOR AIR DISC BRAKE

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
1616HTLD2-3627	For 1616 piston or 1624 double diaphragm	2.5"	Round Tip
1816HTND2-3669	For 1816 piston or 1824 double diaphragm	2.5"	Round Tip
2016HTND2-3710	For 2016 piston or 2024 double diaphragm	2.5"	Round Tip
1824HTND2-3628	For 1824 piston or 1830 double diaphragm	2.5"	Round Tip
2024HTND2-3626	For 2024 piston or 2030 double diaphragm	2.5"	Round Tip
2424HTND2-3629	For 2424 piston or 2430 double diaphragm	2.5"	Round Tip

SERVICE CHAMBERS FOR AIR DISC BRAKE

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
20HSCND2-3630	Type 20	2.5"	Round Tip
22HSCND2-3631	Type 22	2.5"	Round Tip
24HSCND2-3632	Type 24	2.5"	Round Tip

NON-STOCK H.O.T. PRODUCT AVAILABLE AVAILABLE UPON REQUEST

1424HTLD76-3708	20SCLD65H-2882	22HSCLD65-2000	2430TND65H-3510
1824HTND2-3498	22HSCLD65-1618	22SCLD65H-2912	24HSCLD2-2707
2424HTLD65-1620	2424HTLD65-3705	22SCND65H-3060	24SCLD2H-3164
2424HTLD65-3703	2424HTLD65-3706	24HSCLD2-2704	24SCLD65H-2883
2424HTLD65-3704	2424TND65H-3511	2430TLD2H-2718	2730HTN65-3474
14SCLD2H-3066	2430HTN65-3475	2430TLD2H-2719	3030TL2H
20HSCLD2-3701	2430TLD2H-1738	2430TLD65H-2885	3036HTL3
20SCLD2H-2817	22HSCLD65-1619	2430TLD65H-3137	3036TN2H-3523

BRAKE CHAMBERS

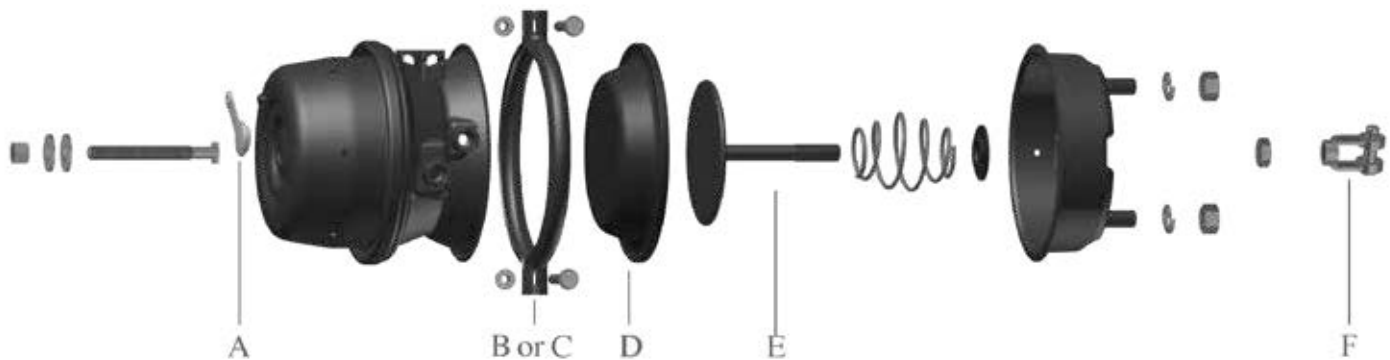
REMOTE CHAMBERS

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
30RPC2	Remote Chamber	2.5"	No

SERVICE CHAMBERS WITH WELDED CLEVIS

PART NUMBER	DESCRIPTION	STROKE	CLEVIS
16SCNW1	T16 Service Chamber Welded Yoke	2.25"	Welded
20SCLW2	T20 Service Chamber Long Stroke Welded Yoke	2.5"	Welded
24SCLW2	T24 Service Chamber Welded Yoke	2.5"	Welded
24SCLW3	T24 Service Chamber Long Stroke Welded Yoke	3"	Welded
30SCLW3	T30 Service Chamber Welded Yoke	3"	Welded
36SCLW3	T30 Service Chamber Long Stroke Welded Yoke	3"	Welded

TSE PARTS LIST



Chamber Size	Stroke	A. Dust Cap	B. Clamp Assembly	C. Clamp Bolt & Nut	D. Diaphragm	E. Push Rod	F. Clevis Assembly
Type 9	1-3/4"	N/A	N/A	K100004-005-PL	N/A	K1-1000911-11.00	K1301223
Type 12	1-3/4"	N/A	K101213	K100004-005-PL	K100120	K0-1001211-11.00	K1301223
Type 16	2-1/4"	N/A	K1001613	K100004-005-PL	K101160	K1-1001611-11.00	K1301223
Type 20	2-1/4"	K1103007	K1002013	K100004-005-PL	K100200	K1-1002011-11.00	K1103023*
Type 20LS	2-1/2"	K1103007	K1002013	K100004-005-PL	K102200	K2-1002011-11.00	K1103023
Type 24	2-1/2"	K1003007	K1002413	K100004-005-PL	K101240	K2-1022411-11.10	K1103023
Type 24LS	3"	K1003007	K1002413	K100004-005-PL	K113240	K3-1022411-11.00	K1103023
Type 30	2-1/2"	K1103007	K1343013-EC	K100004-005-PL	K100300	K2-1003011-15.15	K1103023
Type 30LS	3"	K1103007	K1343013-EC	K100004-005-PL	K113300	K3-1003011-15.65	K1103023
Type 36	3"	K1103607	K1003613	K100004-005-PL	K112360	K3-3033611-18.00	K1103023

BRAKE CHAMBERS

Hazard Alert Messages

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip and fall over. Serious personal injury and damage to components can result.

Brake Chamber Clamp Repositioning Procedure

WARNING

Remove the brake chamber from the vehicle before you remove or install the brake chamber spring clamp. Do not perform these procedures with the brake chamber installed on the vehicle. Serious personal injury and damage to components can result.

1. Wear safe eye protection. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
2. Remove the brake chamber from the vehicle. Do not perform these procedures with the brake chamber installed. Place the brake chamber on a shop bench or similar work area.

WARNING

Before you service a spring chamber, carefully follow the manufacturer's instructions to compress and lock the spring to completely release the brake. Verify that no air pressure remains in the service chamber before you proceed. Sudden release of compressed air can cause serious personal injury and damage to components.

3. Cage the brake chamber on spring brakes. Refer to the instructions in this bulletin.
4. Place the chamber in a vertical position with the ports in front of you. Install vise grip pliers on the push rod to prevent the sudden separation of the piggy back unit from the service base. Use care to not damage the threads. Ensure the vise grip pliers are secured on the push rod. **Figure 1.**



Figure 1

5. With the vise grip pliers in place, use a wrench or pneumatic gun with a 9/16" socket to loosen the clamp nuts. **Figure 2.**



Figure 2

BRAKE CHAMBER INSTALLATION (CONTINUED)

1. After loosening both clamp nuts, remove one clamp nut and bolt, then remove the clamp. Once the clamp is removed, rotate the service-side housing to adjust the mounting bolt position relative to the port location. **Figure 3.**



Figure 3

2. When the components are in the desired positions, reclamp the unit. Make sure the diaphragm is centered in, and flush to, the housing all the way around. Push the housing back onto the diaphragm and install the clamps onto the housings. Install the bolt onto the clamp and hand-tighten the nut. Then alternatively tighten the nuts with a wrench so the distance between the clamp ears is equal on both sides. **Figure 4.**

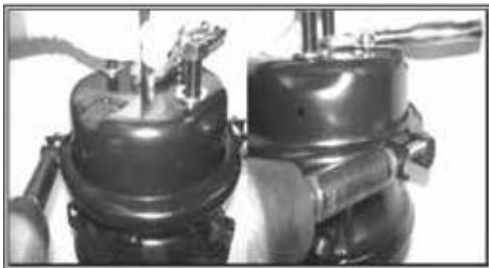


Figure 4

3. Remove the vice grip pliers. Using a torque wrench, tighten the clamp bolts to a final torque of 21-22 lb-ft (28.4-29.8 Nm). **Figure 5.**



Figure 5

4. Verify the clamp ears are equally spaced on both sides. If they are not, it is likely that one side has too much gap in the clamping surface to prevent a leak. Remove the clamp and adjust as necessary.

Caging the Spring Brake (All Spring Brake Types)

WARNING

Before you service a spring chamber, carefully follow the manufacturer's instructions to compress and lock the spring to completely release the brake. Verify that no air pressure remains in the service chamber before you proceed. Sudden release of compressed air can cause serious personal injury and damage to components.

1. Remove the dust plug from the release tool access hole in the center of the spring housing. **Figure 6.**

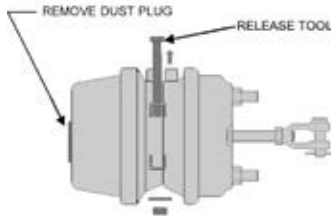


Figure 6

2. Remove the release tool assembly from its holder on the adapter base as shown in **Figure 6** or from its holder on the spring housing.
3. Apply 120 psi (8.3 bar) or 90 psi (6.2 bar) minimum vehicle or shop pressure to the emergency side of the brake. Cycle the brake three times. Maintain vehicle or shop air pressure.
4. If shop or vehicle air is not available: Go to Step 9.
5. Insert the release tool bolt through the release tool access hole in the center of the spring housing and into the pressure plate inside the spring housing. **Figure 7, Arrow "A."**

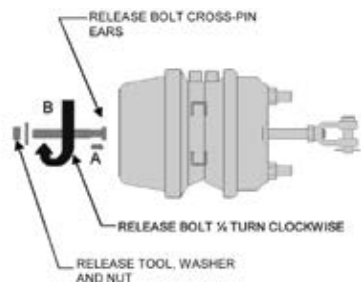


Figure 7

6. Turn the release tool bolt 1/4 turn clockwise. **Figure 7, Arrow "B."**
7. Pull on the release tool bolt to ensure the bolt cross-pin ears are correctly seated into the pressure plate.

WARNING

Do not overtighten the release tool nut. Only tighten the nut by hand. A nut that is overtightened can damage to the pressure plate, washer and spring housing, and cause the main spring to release suddenly. If this occurs, parts may become airborne. Serious personal injury and damage to components can result.

8. Install the release tool washer and nut onto the release tool bolt. Tighten the nut by hand. **Figure 2.**
9. Release the air pressure. The brake is caged.

Optional Method: Mechanical Caging

WARNING

Use the following procedure only when the spring brake is not pressurized. Sudden release of the brake can result in serious personal injury and damage to components.

1. Use a flashlight to look through the access hole for the pressure plate, which is 2.5-3.0 inches (63.5-76.2 mm) away from the access hole.
2. Insert the release tool bolt through the access hole all the way into the pressure plate inside the spring housing. **Figure 7**, Arrow "A."
3. Turn the release tool bolt 1/4 turn clockwise. Ensure the release bolt cross-pin ears are correctly seated in the pressure plate. **Figure 7**, Arrow "B."
4. Install the release tool washer and nut on the release tool bolt and hand-tighten it.

CAUTION

Use a hand wrench to tighten the release tool nut. Do not use an impact wrench to tighten the nut. Damage to components can result.

5. To cage the compression spring mechanically, use a hand wrench to tighten the release tool nut. Ensure the service push rod is retracting while tightening the release tool nut. Do not use an impact wrench to tighten the nut. Refer to **Figure 8**, Arrow "C."

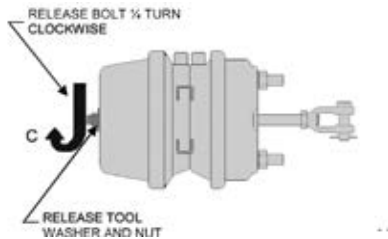


Figure 8

CAUTION

Do not overtighten the release tool bolt assembly. Damage to the pressure plate can result.

6. When any of the following conditions occur, the brake is caged, and you can stop tightening the release tool bolt assembly.
 - The push rod stops moving.
 - The release tool bolt torque reaches 35 lb-ft (47 Nm).
 - The release tool extends beyond the nut more than 3.25 inches (82.5 mm).

Inspect Pressure Plate Alignment

Perform this inspection to ensure the universal release bolt can be manually caged (without air) with the pressure plate.

1. Remove the dust plug from the release tool access hole in the center of the spring housing.
2. Remove the release tool assembly from its holder on the adapter base or spring housing.
3. Insert the release tool bolt through the spring housing access hole and into the pressure plate.
4. Attempt to engage the release tool bolt on the pressure plate by turning the bolt 1/4-turn clockwise and pulling outward. If the release tool bolt is engaged correctly on the pressure plate, it will not turn more than 1/4-turn clockwise and will not pull outward more than 3/4-inch (19.05 mm).

Determine the Correct Push Rod Length

WARNING

Do not attempt to remove or service the brake chamber clamp ring on any spring brake actuator. Serious personal injury and damage to components can result.

1. Wear safe eye protection. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
2. Ensure that the brake is fully caged. Refer to the brake chamber caging procedure.
3. If you are replacing only one spring brake, it is necessary to verify that the other spring brake is correctly adjusted.
4. Cage the brake to be checked. Refer to the brake chamber caging procedure.
5. Apply the brakes so the brake linings contact the drum. A correctly installed spring brake chamber must meet the following conditions.
 - A 90° angle must exist between the center line of the slack adjuster and the push rod. **Figure 9.**
 - A 90° angle must exist between the push rod and the mounting surface of the spring brake.
 - **If the spring brake chamber does not meet these conditions:** Replace the spring brake push rod. For more information regarding push rod lengths, contact the vehicle manufacturer.

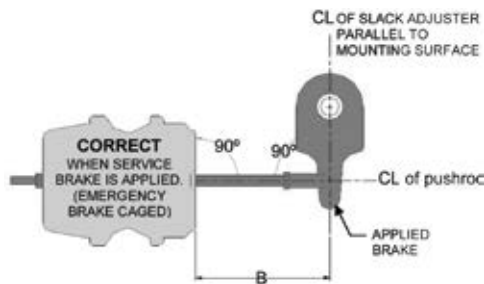


Figure 9

6. Release the brakes (brakes not applied). Measure length of the push rod from the surface of the service base to the center line of the clevis pin. Refer to **Figure 10**, Dimension "A." Record this dimension.

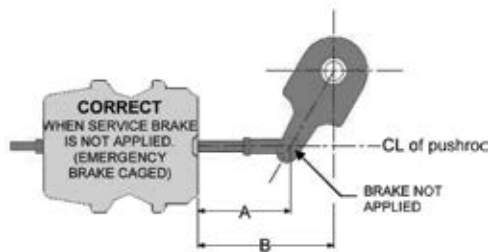


Figure 10

WARNING

Do not overtighten the release tool nut. Only tighten the nut by hand. A nut that is overtightened can damage the pressure plate, washer and spring housing, and cause the main spring to release suddenly. If this occurs, parts may become airborne. Serious personal injury and damage to components can result.

7. Apply pressure to the emergency side. Uncage the brake by turning the release bolt nut counterclockwise by hand or use a hand wrench. Turn the release bolt counterclockwise 90° and pull it out.
8. Measure the inside of the clevis on the brake to be installed. Refer to **Figure 11**, Dimension "C."

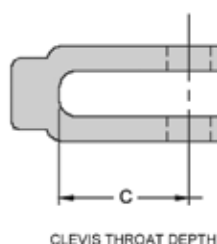


Figure 11

- To determine the correct push rod length, subtract dimension "C" from dimension "A." This will give you the correct push rod length.

Example: Dimension "A" Minus Dimension "C" = Push Rod Length

5.00-inches (127 mm) Minus 1.25-inches (31.75 mm) = 3.75-inches (95.25 mm)

Dimension "A" = 5.00 inches (127 mm) push rod with clevis length (old brake installed)
Dimension "C" = 1.25 inches (31.75 mm) clevis length of the spring brake to be installed
"A" minus "C" = Push rod length of 3.75-inches (95.25 mm)

- Use the jam nut to mark the correct length on the push rod. Cut the push rod using a suitable cutting tool.
- Attach the clevis to the push rod. Verify that no more than two threads (approximately 0.12-inch [3.048 mm]) extend into the clevis to prevent interference with the push rod. Verify that at least one thread is recessed into the clevis. Tighten the jam nut to 45-50 lb-ft (61 to 69 Nm).

Replacing Both Spring Brakes on the Axle

- To install new brakes on the axle, determine the correct push rod length. Measure Dimension "B" as shown in **Figure 12**. The brake mounting bracket must be parallel to the slack adjuster center line.

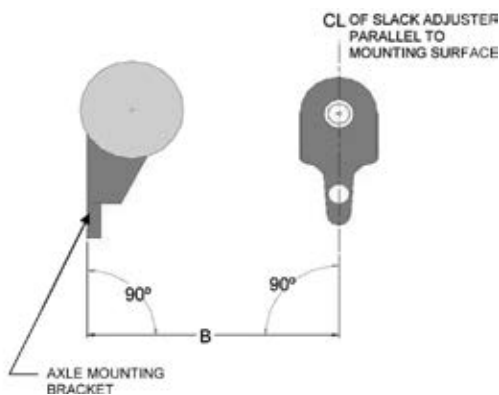


Figure 12

NOTE: The set-up stroke is the approximate distance the push rod will travel in a brake application. A shorter set-up stroke can be used for a quicker brake response. If a shorter set up stroke is desired, ensure brake linings are not dragging.

- Subtract the set-up stroke from Dimension "B." You can use a set-up stroke value from 0.50-inch (12.7 mm) to 1.50-inches (38.1 mm), depending on the brake response you want.

Example: Dimension "B" = 5.50-Inches (139.7 mm)

Dimension "B" @ 5.50-inches (139.7 mm) Minus Set-Up Stroke @ 1.50-inches (38.1 mm) = Correct Push Rod Length @ 4.00-inches (101.6 mm)

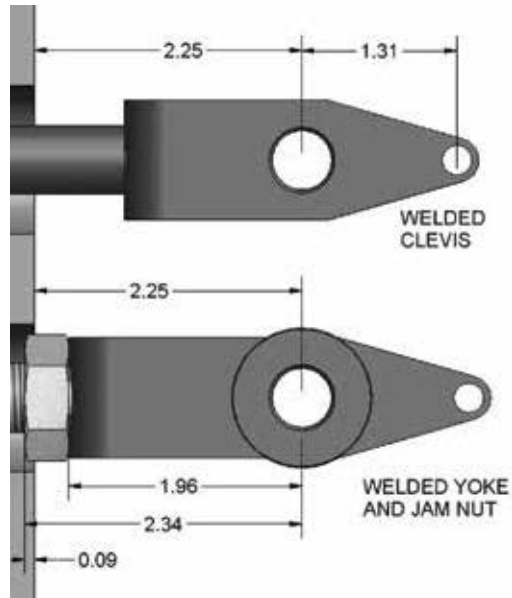
- Measure the inside of the clevis (**Figure 3**) and subtract it from your previous figure. For example, for a clevis that measures 1.25 inches, you would subtract 1.25 inches from 4.00 inches = 2.75 inches. This is the push rod length from the mounting surface of the spring brake to the end of the push rod.

NOTE: The spring brake must be fully caged when you measure and cut the push rod to the correct length. Refer to the brake chamber caging procedure.

- Use the jam nut to mark the correct length on the push rod. Cut the push rod using a suitable cutting tool.
- Attach the clevis to the push rod. Verify that no more than two threads (approximately 0.12-inch [3.048 mm]) extend into the clevis to prevent interference with the push rod. Verify that at least one thread is recessed into the clevis. Tighten the jam nut to 45-50 lb-ft (61 to 69 Nm).

BRAKE CHAMBERS

The difference between the welded clevis and a traditional clevis is in the way the clevis attaches to the actuator pushrod. A traditional unit uses a threaded clevis and jam nut which provides the ability to make adjustments with the simple turn of a wrench. This works out to be a benefit in most situations. Unfortunately, some forged yoke & jam nut assemblies are too long to fit into the short space requirements of some applications. The figure below illustrates the interference between the jam nut and the actuator NPH of the welded yoke and jam nut assembly. Thus, if replacement of the spring brake is necessary, a welded clevis replacement will need to be used to ensure retraction to zero-stroke.



Additionally, when replacement of a unit equipped with a welded clevis is necessary, TSE recommends changing out the whole chamber – not just the piggyback. This is very important because if a different manufacturer's piggyback were to be used the "A" dimension will likely not be correct, resulting in operating problems via incorrectly adjusted slacks.



The most common spring brake complaints, possible causes and how to correct them.

The service brake is not applying adequate force.

1. Improper brake adjustment.

With brakes applied, check the brake chamber push rod to see if the orange Stroke Indicator band is showing. If so, readjust the slack adjuster in accordance with its manufacturer's instructions. Be certain that the spring parking brake chamber is fully released during this adjustment. (Please note, TSE along with most other spring brake manufactures, will have 2 separate orange stripes. Don't confuse the "Stroke Alert" band, which is located approximately 2" down the push rod. The stroke alert stripe indicates that your spring brake has a "Stroke Indicator.")

2. Available air pressure to brake chamber insufficient.

Is the system air pressure gage reading normal? If it's reading low, check compressor for proper operation. Look for kinked or blocked air lines. Check for defective valves.

3. Excessive brake lining or drum wear.

Handle in accordance with the manufacturer's inspection instruction. Check for incompatibility of truck and trailer valve system. Check brake chambers to insure they are fully released when brakes are not applied.

4. Improper slack adjuster operation or set-up.

The angle made by the brake actuator push rod with respect to the mounting surface should be perpendicular within plus minus 3 degrees from zero stroke to full stroke. The rod clearance hole in the non-pressure chamber (mounting plate) for the brake actuator push rod should not be elongated or show evidence of rubbing from the rod. With brakes applied, using 80/90 P.S.I., the angle between the push rod and slack adjuster should never be less than 90 degrees. Consult the slack adjuster manufacturer's literature for proper operation and set-up.

5. Damage to mounting bracket or non-pressure chamber.

Check bracket and non-pressure chamber for cracks or signs of damage. Verify that mounting nut torque is between 113 to 118 foot pounds. If structural damage is found, replace the defective parts immediately. Be sure to follow TSE Installation Instruction for proper removal and reinstallation.

6. Brake chamber or air system (lines, fitting, valves) leakage.

There may be a system leak if the compressor comes on often, or pressure is unable to be maintained. Examine all lines, fittings and valves for proper connection and leakage. If no problems are found, inspect brake chambers for leakage. Listen for an audible sound, or spray the clamp bands with a soap/water solution. If leakage is found at the service side clamp area, check the torque on the clamp band ears and verify it is adequate, 25 to 28 foot pounds is recommended. If the leakage persists, replace the diaphragm and clamp band, or replace with new TSE tandem spring brake unit.

CAUTION:

If leakage is found at:

- a. spring side clamp area (double clamp units only)
- b. end plug
- c. first valve in air line ahead of the spring brake (emergency release)

DO NOT ATTEMPT TO REMOVE OR TIGHTEN SPRING CHAMBER CLAMP BOLTS. Replace the valve if required, the entire piggyback or the entire spring brake chamber. Be sure to install the release bolt and cage the spring. **Never** attempt to work on any spring brake without first caging the spring brake.

7. Improper pushrod length.

This may be the problem if proper rod angularity is difficult to achieve, and/or frequent readjustment is necessary. Consult the vehicle manufacturer for proper rod length.

BRAKE CHAMBERS

The parking brake is not holding. There is insufficient force.

1. **Refer to the possible causes just discussed under "Service brake not applying adequate force."**
2. **Broken power spring.**
Remove the end plug from the release bolt access hole of the brake chamber. Use a flashlight to check for evidence of spring breakage. OR - observe brake chamber stroke while applying and releasing the parking brake. If the expected range of motion is not observed, the spring may be broken. Also, the contents will rattle if the spring brake or piggyback is removed and shaken, indicating a probable broken spring.

The parking brake will not stay released. (Dragging brakes)

1. **Available air pressure to brake chamber insufficient.**
Is the system air pressure gage reading normal? If it's low, check the compressor for proper operation. Look for kinked or blocked air lines. Check for defective valves.
2. **Service application air is not exhausting properly.**
Apply and release service brakes while listening to exhaust. If the sound is not normal, check for kinked or blocked air lines or defective valves.
3. **The spring brake piston is binding before the piston is fully retracted.**
Release the parking brake (Remove the end plug. Apply 90-100 P.S.I. air pressure.) Look to see if the top of the piston is approximately .200 inches from the head. If not, replace with a new TSE spring brake assembly.
4. **Broken return spring in the service chamber.**
Remove piggyback and service diaphragm and inspect the return spring. If broken, replace with new return spring and new diaphragm or a new tandem unit. For best performance specify only new TSE replace parts.
5. **Ruptured diaphragm or damaged pushrod seal.**
Look for leakage at the parking chamber clamp bands. Remove release bolt access hole end cap and apply air to spring brakes (release). If you hear or feel air through the hole, the diaphragm is defective.

WARNING

DO NOT ATTEMPT TO REPLACE THE DIAPHRAGM. REPLACE THE PIGGYBACK OR COMPLETE 3030T SPRING BRAKE.

If air applied to the spring chamber has a tendency to apply the service brake, or to cause the service exhaust valve to leak, the pushrod seal is leaking. (To verify, remove the service air line and apply air to the parking chamber. If air is detected coming through the open service air port, the pushrod seal is leaking.) Replace piggyback or new TSE 3030T spring brake chamber.

6. **Autoslack over-adjustment or camshaft linkage binding.**
Consult the manufacturer's service manual.
7. **Broken power spring or return spring in parking brake section.**
A broken power spring can be diagnosed as discussed in the previous section. A broken return spring in the parking chamber is difficult to diagnose. Either case requires the complete replacement of the piggyback or new TSE tandem unit.

Service brakes apply or the service exhaust valve leaks when air is applied to the parking brake.

1. **Air is leaking through the pushrod seal.**
Replace the entire piggyback unit or install a new TSE tandem unit.

How to read the TSE date code stamped on each unit:

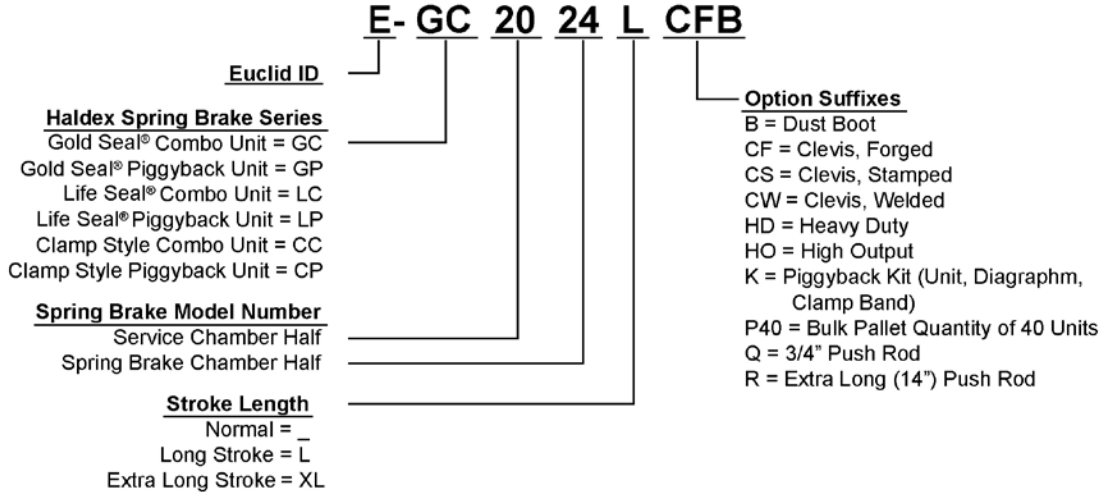
Example: **S06245F1**

-
1. The letter "S" stands for San Luis, MX. The city TSE's manufacturing plant is in.
 2. The first number (or in some cases the first and second numbers) after the letter "S" stands for the year the unit was assembled. The "06" indicates 2006.
 3. The last three digits of the code stand for any one of the 365 days of the year. In S06245F1, "245" stands for the 245th day of 2006.
 4. Any letter(s) after the numbers are for TSE use only and do not effect the reading of the date. In S06245F1, "F1" is for internal TSE use.

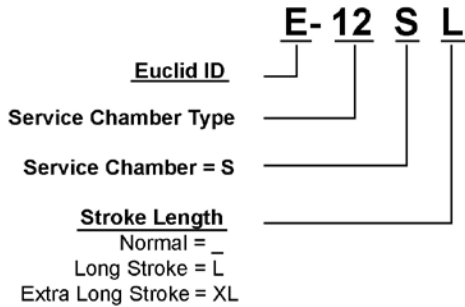
HOW TO ORDER

Locate the model number or chamber type on the unit. The location of the model number or chamber type on Haldex units is shown below. The Euclid part number is the Haldex part number preceded by "E-".

Haldex Spring Brakes



Haldex Brake Chambers

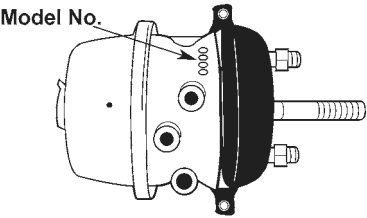


Cam combination units, piggybacks, and service chambers stocked at Euclid are shown. Other sizes and service components not listed here are available by contacting Euclid's Special Order Service (S.O.S.) Department.

Note: Gold Seal (GC) comes with caging bolt.
 Life Seal (LC); no caging bolt needed.

BRAKE CHAMBERS

SPRING BRAKE COMBINATION UNITS FOR S-CAM BRAKES

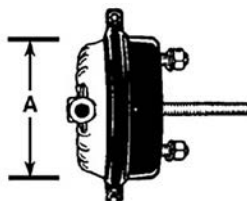
	EUCLID NO.	REPLACES HALDEX NO.	STYLE	MODEL NO.	PUSH ROD THREAD SIZE	STROKE SIZE
		E-GC3030	CC3030	Clamp	3030	5/8"-11
	E-GC2024	GC2024	Gold Seal® - Sealed	2024	5/8"-18	2.25"
	E-GC2424	GC2424	Gold Seal® - Sealed	2424	5/8"-18	2.25"
	E-GC2424L	GC2424L	Gold Seal® - Sealed	2424	5/8"-18	2.5"
	E-GC2430	GC2430	Gold Seal® - Sealed	2430	5/8"-18	2.25"
	E-GC2430L	GC2430L	Gold Seal® - Sealed	2430	5/8"-18	2.5"
	E-GC3030	GC3030	Gold Seal® - Sealed	3030	5/8"-18	2.5"
	E-GC3030CF	GC3030CF	Gold Seal® - Sealed	3030	5/8"-18	2.5"
	E-GC3030CFP40	GC3030CFP40	Gold Seal® - Sealed	3030	5/8"-18	2.5"
	E-GC3030L	GC3030L	Gold Seal® - Sealed	3030	5/8"-18	3.0"
	E-GC3030P40	GC3030P40	Gold Seal® - Sealed	3030	5/8"-18	2.5"
	E-GC3030R	GC3030R	Gold Seal® - Sealed	3030	5/8"-18	2.5"
	E-GC3036	GC3036	Gold Seal® - Sealed	3036	5/8"-18	2.5"
	E-GC3036L	GC3036L	Gold Seal® - Sealed	3036	5/8"-18	3.0"
	E-GC3636	GC3636	Gold Seal® - Sealed	3636	5/8"-18	3.0"
	E-LCP3030	LC3030	Life Seal® - Sealed	3030	5/8"-18	2.5"
	E-LCP3030R	LC3030R	Life Seal® - Sealed	3030	5/8"-18	2.5"
	E-LCP3030R	LCP3030R	Life Seal® - Sealed	3030	5/8"-18	2.5"

SPRING BRAKE PIGGYBACK UNITS FOR S-CAM BRAKES

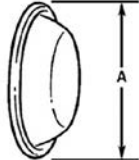
	EUCLID NO.	REPLACES HALDEX NO.	STYLE	MODEL NO.	STROKE SIZE
		E-GP1624	GP1624	Gold Seal® - Sealed	1624
	E-GP2024	GP2024	Gold Seal® - Sealed	2024	2.25"
	E-GP2424	GP2424	Gold Seal® - Sealed	2424	2.25"
	E-GP2424L	GP2424L	Gold Seal® - Sealed	2424	2.5"
	E-GP2430	GP2430	Gold Seal® - Sealed	2430	2.25"
	E-GP2430L	GP2430L	Gold Seal® - Sealed	2430	2.5"
	E-GP2430XL	GP2430XL	Gold Seal® - Sealed	2430XL	3.0"
	E-GP3030	GP3030	Gold Seal® - Sealed	3030	2.5"
	E-GP3030K	GP3030K	Gold Seal® - Sealed	3030	2.5"
	E-GP3030LK	GP3030LK	Gold Seal® - Sealed	3030	3.0"
	E-GP3036	GP3036	Gold Seal® - Sealed	3036	2.5"
	E-GP3636	GP3636	Gold Seal® - Sealed	3636	3.0"
	E-LPP3030K	LP3030K	Life Seal® - Sealed	3030	2.5"

BRAKE CHAMBERS


BRAKE SERVICE CHAMBERS FOR S-CAM BRAKES

	EUCLID NO.	REPLACES HALDEX NO.	A	MODEL NO.	PUSH ROD THREAD SIZE	STROKE SIZE
	E-12S	SC12	4"	Type 12	1/2"-20	1.75"
	E-16S	SC16	4-19/32"	Type 16	1/2"-20	2.25"
	E-20S	SC20	7"	Type 20	5/8"-18	2.25"
	E-24S-L	SC24L	7-1/2"	Type 24	5/8"-18	2.5"
	E-24S	SC24	7-1/2"	Type 24	5/8"-18	2.25"
	E-30S	SC30	8-13/64"	Type 30	5/8"-18	2.5"
	E-36S	SC36	9-5/16"	Type 36	5/8"-18	3.0"


BRAKE SERVICE CHAMBER DIAPHRAGMS - NYLON FABRIC REINFORCED RUBBER

	EUCLID NO.	FOR SERVICE CHAMBER	A DIAMETER
	E-12734	T-36	8-1/2"
	E-12772	T-20L	6-9/16"
	E-12773	T-30L	7-7/8"

CLEVIS ASSEMBLIES AND CLEVIS PINS

	EUCLID NO.	REPLACES HALDEX NO.	DESCRIPTION	CLEVIS THREAD SIZE	CLEVIS PIN DIA.
	E-8896	CF1	Clevis Assy. - Forged	1/2"-20	1/2"
	E-12757	CF2	Clevis Assy. - Forged	5/8"-18	1/2"
	E-12761	CS2	Clevis Assy. - Stamped	5/8"-18	1/2"

PRESSURE HOUSING

	EUCLID NO.	REPLACES HALDEX NO.	TYPE	STROKE	GENERAL INFORMATION
	E-12777	PH30	T-30	2.50" (64mm)	3/8"-18 NPTF air inlet

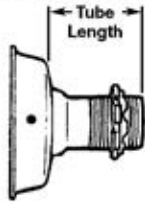
BRAKE CHAMBERS

CLAMP STYLE SPRING BRAKE COMBINATION UNITS FOR WEDGE BRAKES — MERITOR COMBINATION TYPE

HOW TO ORDER

Locate the model number or chamber type on the unit. The location of the model number or chamber type on Haldex units is shown below. The Euclid part number is the Haldex part number preceded by "E-".

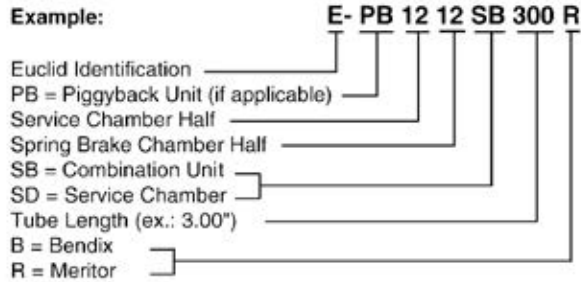
When combination service/spring brake units are ordered, tube length and brake manufacturer (Bendix or Meritor) **MUST BE SPECIFIED.** See illustration.



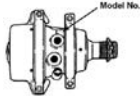
The following is a list of available tube lengths:
 2.25", 3.00" (Bendix or Meritor)
 3.50", 4.00", 9.38", 10.20" (Meritor Only)
 14.50" (Bendix Only)

The tube length is determined by measuring from the end of the tube to the flat on the housing.

Example:



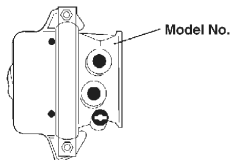
Wedge brake combination units and service chambers stocked at Euclid are shown below. Other sizes and service components are available by contacting Euclid's Special Order Service (S.O.S.) Department.

	EUCLID NO.	REPLACES HALDEX NO.	MODEL NO.	TUBE LENGTH	STROKE LENGTH
	E-1212SB300R	1212SB300R	1212	3"	1.75"
	E-1216SB300R	1216SB300R	1216	3"	1.75"

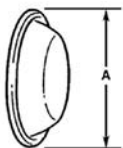
BRAKE SERVICE CHAMBERS FOR WEDGE BRAKES

	EUCLID NO.	REPLACES HALDEX NO.	MODEL NO.	PRESSURE CAP DIA.	TUBE LENGTH	STROKE LENGTH
	E-09SD300R	09SD300R	09SD300R	3"	3"	1.75"
	E-12SD300R	12SD300R	12SD300R	3-1/2"	3"	1.75"

CLAMP STYLE SPRING BRAKE PIGGYBACK UNITS FOR WEDGE BRAKES


	EUCLID NO.	REPLACES HALDEX NO.	MODEL NO.	STROKE LENGTH
	E-PB0912	0912PB	0912	1.75"
	E-PB0916	0916PB	0916	1.75"
	E-PB1212	1212PB	1212	1.75"
	E-PB1216	1216PB	1216	1.75"

BRAKE SERVICE CHAMBER DIAPHRAGMS - NYLON FABRIC REINFORCED RUBBER

	EUCLID NO.	FOR SERVICE CHAMBER	"A" DIAMETER
	E-8888	Type 9 Wedge	5"
	E-8889	Type 12 Wedge/Cam	5-1/2"


HALDEX SERVICE COMPONENTS

CAGING TOOL PLUG


	EUCLID NO.	REPLACES HALDEX NO.	GENERAL INFORMATION
	E-12746	RTP2	For Midland Style
	E-12747	RTP3	For Gold Seal® 3036 and 3636

BRAKE CHAMBERS


CAGING TOOL PLUG

	EUCLID NO.	COLOR	REPLACES HALDEX NO.	GENERAL INFORMATION
	E-11991	Blue	RTP1	Tethered Plug for Cam Brake Combination and Piggyback Units. For Gold Seal® & Clamp Style except xx36.
	E-9112	Blue	9999039	Untethered Plug for Wedge Brake Combination and Piggyback Units.

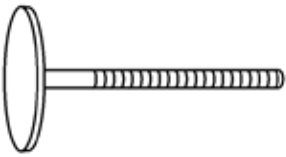
RELEASE STUD ASSEMBLY

	EUCLID NO.	REPLACES HALDEX NUMBER	GENERAL INFORMATION
	E-11988	RT1	For all DDSB except xx36
	E-12743	RT2	For 3036 and 3636
	E-9115	44M011	0912, 1212
	E-12743	128M1011	3036, 3636
	E-11988	11L011	2430-LS


CLAMP RING ASSEMBLY (SERVICE CHAMBER)

	EUCLID NO.	REPLACES HALDEX NUMBER	FOR SERVICE CHAMBER:
	E-11992	1127M005-CA	T-24
	E-12749	CB12	T-12
	E-12750	CB16	T-16
	E-12752	CB20S1	T-20
	E-9118	1126M005-CA	T-30
	E-9120	1128M005-CA	T-36
E-9121	1133M005-CA	T-20	


SERVICE PUSH RODS


	EUCLID NO.	REPLACES HALDEX NO.	THD. LENGTH	THREAD SIZE	FOR USE WITH:
	E-11983	24-1250-0940	11-5/32"	5/8"-18 UNF	24S, 2424, 2430
	E-11987	36-1250-0875-4	8-3/4"	3/4"-14 UNF	36S, 3636
	E-11986	36-1250-0875	8-3/4"	5/8"-18 UNF	36S, 3636
	E-11985	30-1250-0925-4	9-1/4"	3/4"-14 UNF	30S, 3030, 3036
	E-11984	30-1250-0925	9-1/4"	5/8"-18 UNF	30S, 3024, 3030, 3036
	E-11983	24L-1250-0925	9-1/4"	5/8"-18 UNF	24-LS, 2424-LS, 2430-LS


SERVICE RETURN SPRING

	EUCLID NO.	REPLACES HALDEX NO.	GENERAL INFORMATION
	E-12776	RS5	For Haldex and current T-30 and G(L)C 3030 2.5" models
	E-9130	11M016	For chamber type 20S, 24S, 24S-LS, 30S, 36S.
	E-9131	1128M016	Heavy duty. For chamber type 36S.

BRAKE CHAMBERS

BOOT ASSEMBLY			
	EUCLID NO.	REPLACES	GENERAL INFORMATION
	E-12728	Haldex BA1	For 5/8" push rod
	E-2764	Haldex 11M034 MGM 9004001	Used on Severe Service Operations, Gravel Haulers, and Transit Mix Trucks.

AIR CHAMBER CLAMPING BOLT AND NUT			
	EUCLID NO.	THREAD	LENGTH
	E-2144		3/8"-16


JAM NUTS			
	EUCLID NO.	REPLACES HALDEX NUMBER	THREAD SIZE
	E-12766		HW5



SECTION 5 — WEDGE BRAKES

Brake and
Wheel End

PARTS FOR BENDIX WEDGE BRAKE - - - - -	5-2
EUCLID HDG WEDGE BRAKE LUBRICANT - - - - -	5-2
PARTS FOR BENDIX WEDGE BRAKE - - - - -	5-3
MERITOR STOPMASTER WEDGE BRAKE PARTS - - - - -	5-5

PARTS FOR BENDIX WEDGE BRAKE

	EUCLID NO.	SLOT WIDTH	APPLICATION INFORMATION
	E-2282	1/4"	Non-Servo. Adjusting Screw. Use with 15" x 3 and 3-1/2" shoes
E-2281	5/16"	Twin Plex. Adjusting Screw. Use with 15" x 5, 6 and 7" shoes	


	EUCLID NO.	DESCRIPTION	O.D.	LENGTH	APPLICATION
	E-1217	Adjusting Nut Cap			
	E-2162	Adjusting Spring	3/4"	1-1/2"	

	EUCLID NO.	DESCRIPTION
	E-1215	Adjusting Nut Spring

	EUCLID NO.	DESCRIPTION
	E-1216	Adjusting Nut







EUCLID HDG WEDGE BRAKE LUBRICANT

E-2015



	APPLICATION
	<p>HDG is recommended for all Wedge Brakes. Apply HDG generously to the Plungers and Rollers of the Wedge Assembly and to the inside of the Seal Assembly also. Each can is 6-1/2 oz.</p> <p>HDG is formulated to:</p> <ul style="list-style-type: none"> • Withstand High Temperatures • Be Waterproof • Be Corrosion Resistant • Provide Long Life • Resist Extreme Pressure • Be Smooth In Texture • Have A Thin Film Capacity



PARTS FOR BENDIX WEDGE BRAKE


Brake and
Wheel End


	EUCLID NO.	DESCRIPTION		
	E-1493	Pin		
	E-1495	Cap		
	E-1218	Adjusting Piston		
	EUCLID NO.	O.D.	LENGTH	APPLICATION
 <p>BLACK</p>	E-2163	15/16"	7-1/2"	For Twin-plex Drive and Trailer Wedge Brakes. Use with E-2164 Damper.
	E-2552	1/8"	7-1/2"	Shoe Stabilizer Guide used on Late Model spider with wide shoe guide.
 <p>RED</p>	E-2745	15/16"	8-3/8"	For Bendix Non-Servo Front Brake

PARTS FOR BENDIX WEDGE BRAKE

	EUCLID NO.	DESCRIPTION
	E-1214	Adjusting Piston Boot
	E-1230	Anchor Piston Boot

ADJUSTING BOLTS		
	EUCLID NO.	GENERAL INFORMATION
	E-2484	For 12-1/4" RD Brakes and 15" Rear RD Brakes.
	E-3492	For 15" Front RS and RD Brakes, Backing Plate Mounted.

ADJUSTING SLEEVES		
	EUCLID NO.	GENERAL INFORMATION
	E-5531	Blue Plated. For 12-1/4" RD Brakes and 15" Rear RD Brakes. Use with E-2484 or E-2485 Adjusting Bolts. Use with E-5539 Pawl Assembly. Replaces E-2486.




ADJUSTING PLUNGER ASSEMBLIES TO CONVERT OLDER STOPMASTER MODELS TO CURRENT STYLE			
	EUCLID NO.	WEDGE DEGREE	INCLUDES
<p>Degrees Stamped Here</p> 	E-3997	12°	1 E-5534 Adjusting Plunger 1 E-5531 Adjusting Sleeve 1 E-5539 Pawl Assembly



ANCHOR PLUNGERS




↑
Degrees
Stamped
Here

EUCLID NO.	LH/RH	WEDGE DEGREE	GENERAL INFORMATION
E-1137	LH	12°	
E-1136	RH		
E-2138	RH	16°	

SEALS			
	EUCLID NO.	COLOR	GENERAL INFORMATION
	E-3994	Blue	Adjusting Bolt Seal. For 12-1/4" RD Brakes and 15" Rear RD Brakes.
	E-3995	Blue	Anchor Seal. For 12-1/4" RD Brakes and 15" Rear RD Brakes.
	E-5532	Green	Adjusting Bolt and Anchor Seal for 15" Front Brakes. Replaces E-1447, E-1518 O.D. 1.352" I.D. 0.450"


ADJUSTING PAWL ASSEMBLIES			
	EUCLID NO.	COLOR	GENERAL INFORMATION
	E-5539		1 Adjuster Pawl 1 Pawl Spring Cap 1 Pawl Spring 1 Seal For Drive and Trailer Brakes 1986 - Up. Use With E-5531 Adjusting Sleeve.
	E-5540		1 Adjuster Pawl, 1 Pawl Spring Cap, 1 Pawl Spring For Front Brakes Use with E-3499 Adjusting Sleeve. Also for Pre-1986 Drive and Trailer Brakes. Replaces: E-2190, E-2191, E-2192





WEDGE ASSEMBLIES (WEDGE DEGREE STAMPED ON END OF WEDGE STEM)


	EUCLID NO.	WEDGE DEGREE
	E-1261	12°
	E-2141	14°
	E-2142	16°

NOTE: Do not increase or decrease by more than 2°.


WEDGE BRAKE SHOES - RS AND RD

	EUCLID NO.	SIZE	FMSI NO.	RIVET NO.
	E-2689	15" x 5"	4615	10-9
	E-1139	15" x 7"	4602	10-9


WEDGE RETURN SPRING				
	EUCLID NO.	LENGTH	O.D.	GENERAL INFORMATION
 <p>GREEN</p>	E-1458	6"	9/16"	For "RS" Brakes and Pre-121 15" RD Brakes.
 <p>BLACK</p>	E-1140	7-3/4"	29/32"	For 15" x 6" and 7" RD and Weld-On RD Trailer Brakes. Replaces old style blue and green spring.
 <p>YELLOW</p>	E-2476	8-3/8"	1"	For Meritor Front Axle Wedge Brake Square Connecting Rod For Application on Cast Spider
	E-7211	8-35/64"	15/16"	For All 15" RD Brakes

BRAKE SHOE CLIP ASSEMBLY			
	EUCLID NO.	INCLUDES	GENERAL INFORMATION
	E-2522	1 Shoe Clip; 1 Clip Bolt; 1 Washer; 1 Nut	For Drive and Trailer Brakes with Cast Spiders.


BRAKE SHOE HOLD DOWN KIT

	EUCLID NO.	GENERAL INFORMATION
	E-3525	For RS and RD Brakes with Backing Plates. Includes enough parts to service one wheel.


WEDGE GUIDE

	EUCLID NO.	GENERAL INFORMATION
	E-1262	Fits end of Air Chamber Push Rod.


COLLET NUT

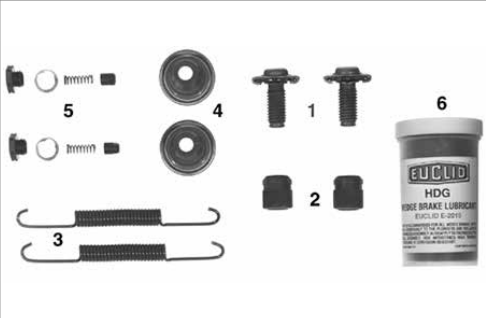
	EUCLID NO.	GENERAL INFORMATION
	E-1128	Attaches Air Chamber to Wedge Housing.

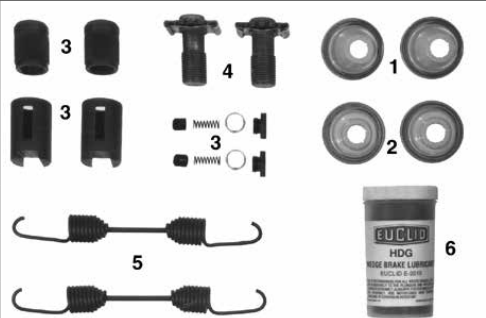
PUSH ROD BOOT KIT


	EUCLID NO.	GENERAL INFORMATION
	E-2290	For Stopmaster OEM Type.

EUCLID HDG LUBRICANT

	EUCLID NO.	GENERAL INFORMATION
	E-2015	<p>HDG is recommended for all Wedge Brakes. Apply HDG generously to the Plungers and Rollers of the Wedge Assembly and to the inside of the Seal Assembly also. Each can is 6-1/2 oz.</p> <p>HDG is formulated to:</p> <ul style="list-style-type: none"> • Withstand High Temperatures • Be Waterproof • Be Corrosion Resistant • Provide Long Life • Resist Extreme Pressure • Be Smooth In Texture • Have A Thin Film Capacity

E-5542 MINOR REPAIR KIT WITHOUT HOLD DOWN KIT					
					
ITEM	QTY.	EUCLID NO.	DESCRIPTION	GENERAL INFORMATION	
1	2	E-3492	Adjusting Bolt	For 15" RS Single Actuated Front Brakes. Services one wheel. REPLACES: E-2147	
2	2	NSS*	Adjusting Sleeve		
3	2	E-1458	Return Spring Wedge Brake		
4	2	E-5532	Front Wedge Seal		
5	2	E-5540	Front Pawl Assembly		
6	1	E-2015	Wedge Brake Lubricant		

E-7212A MINOR REPAIR KIT WITH 12° WEDGE ASSEMBLIES					
					
ITEM	QTY.	EUCLID NO.	DESCRIPTION	GENERAL INFORMATION	
1	2	E-3994	Seal Assembly	For 15" RD Dual Actuated Brakes. Services one wheel. REPLACES: Meritor KIT 1106B; E-2525A, E-7212.	
2	2	E-3995	Seal Assembly		
3	2	E-3997	12 Degree Adjuster Assembly		
4	2	E-2484	Adjusting Bolt		
5	2	E-7211	Brake Return Spring		
6	1	E-2015	Wedge Brake Lubricant		

E-7213A MAJOR REPAIR KIT - LEFT HAND BRAKE WITH 12° WEDGE ASSEMBLIES					
					
ITEM	QTY.	EUCLID NO.	DESCRIPTION	GENERAL INFORMATION	
1	2	E-2484	Adjusting Bolt	For 15" RD Dual Actuated Brakes. Services one wheel. REPLACES: Meritor KIT 9006LHB; E-2524A, E-7213.	
2	2	E-3997	12 Degree Adjuster Assembly		
3	2	E-1137	12 Degree LH Plunger		
4	2	E-1128	Air Chamber Collet Nut		
5	2	E-7211	Brake Return Spring		
6	2	E-3994	Seal Assembly		
7	2	E-3995	Seal Assembly		
8	2	NSS*	Anchor Plunger Guide		
9	2	E-1261	12 Degree Wedge Assembly		
10	2	E-2522	Shoe Clip Wedge Assembly		
11	1	E-2015	Wedge Brake Lubricant		

*Not Sold Separately

E-7214A MAJOR REPAIR KIT - RIGHT HAND BRAKE WITH 12° WEDGE ASSEMBLIES

	ITEM	QTY.	EUCLID NO.	DESCRIPTION	GENERAL INFORMATION
	1	2	E-2484	Adjusting Bolt	For 15" RD Dual Actuated Brakes. Services one wheel. REPLACES: Meritor KIT 9006RHB; E-2523A, E-7214
	2	2	E-3997	12 Degree Adjuster Assembly	
	3	2	E-1136	12 Degree RH Plunger	
	4	2	E-1128	Air Chamber Collet Nut	
	5	2	E-7211	Brake Return Spring	
	6	2	E-3994	Seal Assembly	
	7	2	E-3995	Seal Assembly	
	8	2	NSS*	Anchor Plunger Guide	
	9	2	E-1261	12 Degree Wedge Assembly	
	10	2	E-2522	Shoe Clip Wedge Assembly	
	11	1	E-2015	Wedge Brake Lubricant	

SECTION 6 — WHEEL END








Brake and
Wheel End


INNER CAP NUTS	6-2
DISC WHEEL NUTS-	6-3
WHEEL STUDS	6-6
BUS AND HEAVY-DUTY STUDS-	6-8
WHEEL STUDS	6-7
BUS AND HEAVY-DUTY STUDS-	6-9
WHEEL STUDS	6-11
WHEEL STUDS — METRIC	6-22
WHEEL STUDS	6-21
WHEEL STUDS — METRIC	6-23
DRIVE FLANGE STUDS	6-26
DRIVE FLANGE WEDGES	6-27
DRIVE FLANGE NUTS-	6-27
DRUM BOLT ASSEMBLIES-	6-27
BRAKE DRUM ATTACHING SCREW	6-27
SPOKE WHEEL & RIM STUDS	6-28
SPOKE WHEEL & RIM BOLTS	6-28
SPOKE WHEEL & RIM STUDS	6-29
RIM CLAMPS	6-30
SPOKE WHEEL SERVICE INFORMATION-	6-34
TORQUE CHART	6-34
DISC WHEEL SERVICE INFORMATION	6-35
TORQUE CHART	6-35
TRAILER AXLE SPINDLE HARDWARE	6-36
STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS	6-44
DRIVE AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS	6-50
MERITOR WHEEL BEARING ADJUSTMENT SYSTEM FOR THE AFTERMARKET	6-52
TIMKEN MILEMATE® MANUALLY ADJUSTED WHEEL ENDS	6-53
WHEEL HUB CAPS	6-56
DRIVE AXLE GASKET ASSORTMENT-	6-57
DRIVE AXLE FLANGE GASKETS	6-57

INNER CAP NUTS

WHEEL END


FOR DUAL MOUNTED STEEL AND STEEL/ALUMINUM WHEELS						
	EUCLID NO.	OUTER THREAD SIZE	INNER THREAD SIZE	INNER THREAD MIN. DEPTH	OUTER OVERALL LENGTH	GENERAL INFORMATION
<p>O.E. STANDARD FOR DUAL STEEL WHEELS</p> 	E-7895-L	1.13"-16	.75"-16	1.25"	2.22"	Through Hardened. Zinc Yellow Dichromate Plating
	E-7895-R	1.13"-16	.75"-16	1.25"	2.22"	Through Hardened. Zinc Yellow Dichromate Plating
<p>O.E. STANDARD FOR STEEL INNER AND ALUMINUM OUTER WHEELS</p> 	E-7896-L	1.13"-16	.75"-16	1.25"	2.56"	Through Hardened
	E-7896-R	1.13"-16	.75"-16	1.25"	2.56"	Through Hardened
	E-7897-L	1.13"-16	.75"-16	1.88"	3.06"	Through Hardened Use 13/16" Square Socket
	E-7897-R	1.13"-16	.75"-16	1.88"	3.06"	Through Hardened Use 13/16" Square Socket
<p>O.E. STANDARD FOR OFF-HIGHWAY APPLICATIONS</p> 	E-7898-L	1.31"-12	.94"-12	1.88"	3"	Through Hardened. Zinc Yellow Dichromate Plating Use 15/16" Square Socket
	E-7898-R	1.31"-12	.94"-12	1.88"	3"	Through Hardened. Zinc Yellow Dichromate Plating Use 15/16" Square Socket
<p>IMPORT VEHICLES</p> 	E-10253-L	M30x1.5	M20x1.5	1.19"	2.44"	Through Hardened. Zinc Yellow Dichromate Plating Use 7/8" or 22mm Square Socket
	E-10253-R	M30x1.5	M20x1.5	1.19"	2.44"	Through Hardened. Zinc Yellow Dichromate Plating Use 7/8" or 22mm Square Socket

CAP NUTS FOR SINGLE & DUAL MOUNTED WHEELS					
	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-10254-L	M30 x 1.5	41mm	1"	For use with E-10253-L Metric inner cap nuts.
	E-10254-R	M30 x 1.5	41mm	1"	For use with E-10253-R Metric inner cap nuts.
	E-4976-R	.56"-18	1"	.69"	Single Mounting, Front or Rear
	E-9012-L	.56"-18	1.06"	.65"	
	E-9012-R	.56"-18	1.06"	.65"	
	E-4975-R	.63"-18	1"	.68"	
	E-4979-R	.63"-18	1.06"	.63"	
	E-5652-L	.75"-16	1.50"	.88"	Single Mounting, Front or Rear
	E-5652-R	.75"-16	1.50"	.88"	
	E-5554-L	.75"-16	1.50"	1"	For Single Mounting of Alcoa Forged Aluminum Disc Wheels
	E-5554-R	.75"-16	1.50"	1"	
	E-5995-L	.75"-16	1.50"	1.38"	For Alcoa Wide Base Aluminum Wheels. "Long Grip" Cap Nut. Larger height provides greater lug wrench contact into wheel.
	E-5995-R	.75"-16	1.50"	1.38"	
	E-5977-L	1.13"-16	1.50"	.88"	Forged Steel - Thru-Hardened. Zinc Yellow Dichromate Plating. Outer Dual or Large Stud Single Mounting. For Severe Service Application use E-5579-L. For Clear Zinc coating use E-5977LC.
	E-5977-R	1.13"-16	1.50"	.88"	Forged Steel - Thru-Hardened. Zinc Yellow Dichromate Plating. Outer Dual or Large Stud Single Mounting. For Severe Service Application use E-5579-R. For Clear Zinc coating use E-5977RC.
	E-5996-L	1.13"-16	1.50"	1"	For Alcoa Wide Base Aluminum Wheels. "Long Grip" Cap Nut. Larger height provides greater lug wrench contact into wheel.
	E-5996-R	1.13"-16	1.50"	1"	

FLANGED CAP NUTS FOR SINGLE & DUAL MOUNTED WHEELS					
	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-5578-L	.75"-16	1.50"	1.09"	Single Mounting Front or Rear. Provides Extra Mounting Strength for Vehicles in Severe Service.
	E-5578-R	.75"-16	1.50"	1.09"	
	E-5579-L	1.13"-16	1.50"	1.09"	Outer Dual or Large Stud Single Mounting. Provides Extra Mounting Strength for Vehicles in Severe Service.
	E-5579-R	1.13"-16	1.50"	1.09"	

DISC WHEEL NUTS




FOR HEAVY-DUTY "OFF-HIGHWAY/OFF-HIGHWAY" SERVICE

	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-6060-L	1.13"-16	1.75"	1"	Special nut for adapting heavy-duty off highway wheels to standard 1-1/8" thread studs.
	E-6060-R	1.13"-16	1.75"	1"	
	E-5576-L	1.31"-12	1.75"	1.38"	Single or Outer Cap Nuts May Be Used With Accuride "Duplex" Wheels.
	E-5576-R	1.31"-12	1.75"	1.38"	

FLANGED CAP NUTS

	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-10234	.56"-18	1.06"	1.97"	2 piece flanged nut.
	E-5892	.56"-18	.88"	.63"	1 piece flanged nut.
	E-9022-R	.63"-18	1.13"	1.06"	Dodge and Navistar. 1 piece flanged nut.
	E-5734	.69"-16	1.13"	1.06"	Use E-5683 stud on rear and E-5682 stud on front. 1 piece flanged nut.
	E-5704	.75"-16	1.13"	1.06"	1 piece flanged nut.
	E-9021	.88"-14	1.31"	.88"	General Motors Bus. 2 piece flanged nut.
	E-10235	M20x1.5	30mm	1.06" 27mm	Teflon Coated. 2 piece flanged nut.
	E-5991	M22x1.5	1.50"	1.38"	For Motor Wheel WHD-8 (8 Stud) Hub Piloted Wheel System. 2 piece flanged nut.
	E-6000A	M22x1.5	33mm	1.22" 31mm	Teflon Coated For Budd Uni-Mount-10 (10 Stud) Hub Piloted Wheel. 2 piece flanged nut.
	E-9020	M22x1.5	33mm	1.03" 25mm	Alcoa Hub Piloted Wheels. 2 piece flanged nut.

SLEEVE NUTS


	EUCLID NO.	SIZE	APPLICATION
	E-15680	M22-1.5 X 6MM	Steer Axles: Steel Wheels Drive/Trailer Axles: Steel Wide Single Wheels
	E-15681	M22-1.5 X 19MM	Steer Axles: Aluminum Wheels Drive/Trailer Axles: Aluminum Wide Single Wheels Drive/Trailer Axles: Steel Outer/Steel Inner Wheels Drive/Trailer Axles: Steel Outer/Aluminum Inner Wheels
	E-15682	M22-1.5 X 28MM	Drive/Trailer Axles: Steel Outer/Aluminum Inner Wheels Drive/Trailer Axles: Aluminum Outer/Steel Inner Wheels
	E-15683	M22-1.5 X 39MM	Drive/Trailer Axles: Aluminum Outer/Aluminum Inner Wheels

DISC WHEEL NUTS




Brake and
Wheel End

WHEEL END




CONE LOCK NUTS (2 PIECE FLANGED NUT)

	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-5708	.75"-16	1.19"	1.12"	Motor Wheel Cone Lock Nut.
	E-5710	.88"-14	1.50"	.94"	Motor Wheel Cone Lock Nut.
	E-5711	.88"-14	1.50"	1.38"	Motor Wheel Cone Lock Nut.

BACK NUTS

	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-4961A	.75"-16	1.13"	.63"	Heat Treated Locknut Grade C Torque Spec 100-225 ft./lbs.
	E-1835	.88"-14	1.25"	.77"	Heat Treated Grade C
	E-1828	1"-14	1.50"	.88"	Heat Treated Grade C Torque Spec 175-225 ft./lbs.

FLAT WHEEL NUTS

	EUCLID NO.	THREAD	HEX	HIGH	GENERAL INFORMATION
	E-5032	.50"-20	.75"	.44"	Plain. Grade 5
	E-5007	.50"-20	.88"	.50"	Slotted
	E-5008	.63"-18	.94"	.72"	Plain. Grade 8

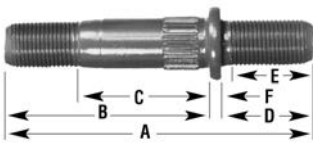
SPOKE WHEEL RIM NUTS

	EUCLID NO.	GRADE	DAYTON	ERIE	GUNITE	WEBB	NWRA	THREAD	HEX	GENERAL INFORMATION
	E-4962	Grade 5	08-005149	5270	WP2	74611	N-26	.63"-11	1.06"	Flat face 2 sides.
	E-4963	Grade 5	08-005716	5260	WP148	74710	N-40	.75"-10	1.25"	Flat face 2 sides.
	E-7775	Grade 8	08-005716	5260	WP148	74710	N-40	.75"-10	1.25"	Flat face 2 sides.

ROUND COLLAR SHOULDER STUDS - STUD BODY DIAMETER .781

WHEEL END

GRADE 8



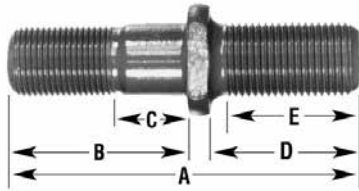
3/4"-16 THDS. BOTH ENDS

EUCLID NO.	A	B	C	D	E	F
E-11722-L	4.34"	3.00"	1.78"	1.25"	1.09"	.09"
E-11722-R						
E-11723-L	4.44"	2.89"	1.43"	1.45"	1.25"	.09"
E-11723-R						
E-5713-L	3.41"	2.06"	.88"	1.25"	1.06"	.09"
E-5713-R						
E-5714-L	3.63"	2.28"	1.06"	1.25"	1.13"	.09"
E-5714-R						
E-5715-L	4.03"	2.50"	1.28"	1.34"	1.16"	.09"
E-5715-R						
E-5716-L	4.34"	3.00"	1.94"	1.25"	1.06"	.09"
E-5716-R						
E-5717-L	4.53"	3.00"	1.94"	1.34"	1.16"	.09"
E-5717-R						
E-5589-L	4.63"	3.28"	2.00"	1.25"	1.13"	.09"
E-5589-R						
E-8948-L	4.91"	3.53"	2.16"	1.25"	.97"	.09"
E-8948-R						

CLIPPED COLLAR SHOULDER STUDS - STUD BODY DIAMETER .784

WHEEL END

GRADE 8

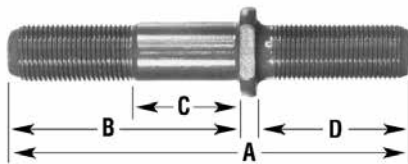


$\frac{3}{4}$ "-16 THDS. BOTH ENDS

EUCLID NO.	A	B	C	D	E	
E-5558-L	3.13"	1.59"	.63"	1.34"	1.16"	
E-5558-R						
E-5556-L	3.59"	2.06"	.88"	1.34"	1.16"	
E-5556-R						
E-5559-L	3.72"	2.19"	1.06"	1.34"	1.16"	
E-5559-R						
E-5561-L	3.97"	2.44"	1.16"	1.34"	1.16"	
E-5561-R						
E-5560-L	4.03"	2.50"	1.28"			
E-5560-R						
E-5551-L	4.22"	2.69"	1.44"			
E-5551-R						
E-5585-L	4.34"	2.81"	1.78"	1.34"	1.16"	
E-5585-R						
E-5553-L	4.53"	3.00"	1.45"	1.34"	1.16"	
E-5553-R						
E-10200-L	4.53"	3.00"	1.56"	1.34"	1.16"	
E-10200-R						
E-6023-L	4.84"	3.31"	1.66"	1.34"	1.16"	
E-6023-R						
E-5557-L	5.03"	3.50"	2.47"	1.34"	1.16"	
E-5557-R						
E-6024-L	5.25"	3.31"	1.66"	1.75"	1.16"	
E-6024-R						

**CLIPPED COLLAR SHOULDER STUDS -
STUD BODY DIAMETER .784 EXTRA LONG CAP NUT END**

GRADE 8



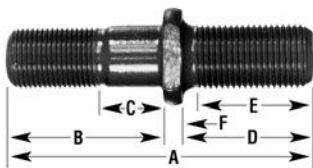
3/4"-16 THDS. BOTH ENDS

EUCLID NO.	A	B	C	D	CAUTION
E-5932-L	4.25"	2.38"	1.06"	1.63"	Caution: Do not use with Steel wheel. Cap nut will bottom out before tightening against wheel.
E-5932-R					
E-5931-L	4.50"	2.38"	1.03"	1.94"	Caution: Do not use with Steel wheel. Cap nut will bottom out before tightening against wheel.
E-5931-R					
E-5989-L	4.91"	3.38"	1.86"	1.36"	Caution: Do not use with Steel wheel. Cap nut will bottom out before tightening against wheel.
E-5989-R					
E-5933-L	5.13"	2.75"	1.69"	2.25"	Caution: Do not use with Steel wheel. Cap nut will bottom out before tightening against wheel.
E-5933-R					
E-5929-L	5.19"	3.00"	1.31"	2.00"	Caution: Do not use with Steel wheel. Cap nut will bottom out before tightening against wheel.
E-5929-R					
E-5930-L	5.56"	3.38"	1.75"	2.00"	Caution: Do not use with Steel wheel. Cap nut will bottom out before tightening against wheel.
E-5930-R					

BUS AND HEAVY-DUTY STUDS

**CLIPPED COLLAR SHOULDER STUDS - STUD BODY DIAMETER 1.012 FOR HEAVY-DUTY
"OFF HIGHWAY" APPLICATION**

GRADE 8

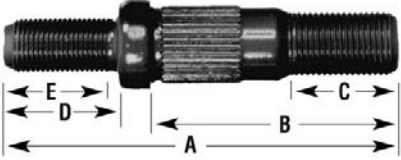
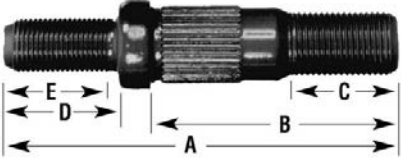
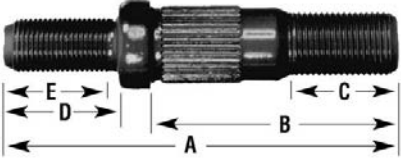
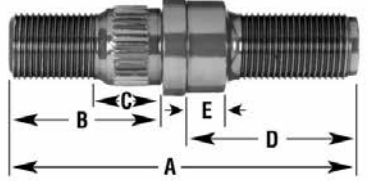


1"-14 THD. HUB END
15/16"-12 THD WHEEL END

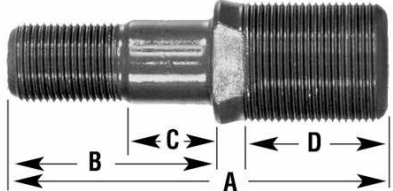
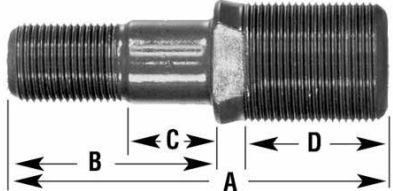
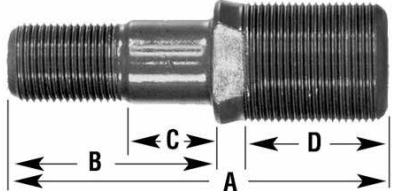
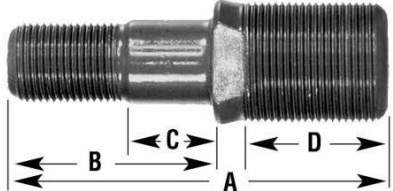
EUCLID NO.	A	B	C	D	E	F
E-5876-L	5.63"	3.50"	1.88"	1.88"	1.56"	.25"
E-5876-R						

WHEEL END

DOUBLE-ENDED ROUND COLLAR STUDS - STUD BODY DIAMETER .973

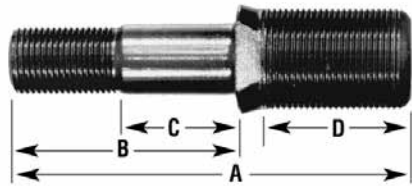
 <p data-bbox="251 493 584 556">3/4"-16 THD. WHEEL END 7/8"-14 THD. HUB END</p>	EUCLID NO.	A	B	C	D	E	GR.
	E-5920-L	4.00"	2.09"	1.25"	1.44"	1.19"	8
	E-5920-R						
	E-5918-L	4.94"	3.09"	1.28"	1.44"	1.19"	8
	E-5918-R						
 <p data-bbox="267 808 568 840">7/8"-14 THD. BOTH ENDS</p>	E-9006	5.63"	1.88"	.94"	2.06"	.44"	8
	E-9007						

DOUBLE-ENDED STUDS WITH FLATS - STUD BODY DIAMETER .784 - FOR STEEL WHEELS

 <p data-bbox="227 1354 600 1417">1 1/8"-16 THD. WHEEL END 3/4"-16 THD. HUB END</p>	EUCLID NO.	A	B	C	D	GR.
	E-3723-L	3.19"	1.59"	.53"	1.41"	8
	E-3723-R					
	E-3727-L	4.03"	2.44"	1.22"	1.41"	8
	E-3727-R					
	E-3728-L	4.34"	2.75"	1.81"	1.41"	8
	E-3728-R					

WHEEL END

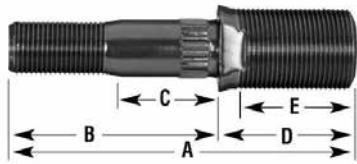
DOUBLE-ENDED STUDS WITH FLATS - STUD BODY DIAMETER .784 - FOR ALUMINUM WHEELS



1 1/8"-16 THD. WHEEL END
3/4"-16 THD. HUB END

EUCLID NO.	A	B	C	D	GR.	
E-5935-L	3.75"	1.88"	.72"	1.69"	8	
E-5935-R						
E-5936-L	3.94"	2.06"	.97"	1.69"	8	
E-5936-R						
E-5937-L	4.25"	2.44"	1.22"	1.63"	8	
E-5937-R						
E-5990-L	4.56"	2.75"	1.58"	1.50"	8	
E-5990-R						

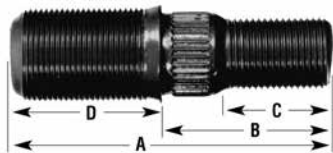
DOUBLE-ENDED STUDS WITH FLATS - STUD BODY DIAMETER .784



1 1/8"-16 THD. WHEEL END
3/4"-16 THD. HUB END

EUCLID NO.	A	B	C	D	E	GR.
E-8951-L	4.56"	2.75"	1.53"	1.81"	1.25"	8
E-8951-R						

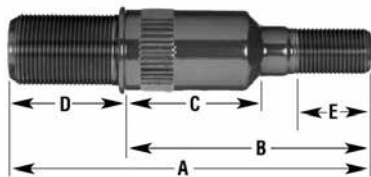
DOUBLE-ENDED STUDS WITHOUT FLATS - STUD BODY DIAMETER .973



1 1/8"-16 THD. WHEEL END
7/8"-14 THD. HUB END

EUCLID NO.	A	B	C	D	GR.	
E-5922-L	4.00"	2.00"	1.19"	1.75"	8	
E-5922-R						

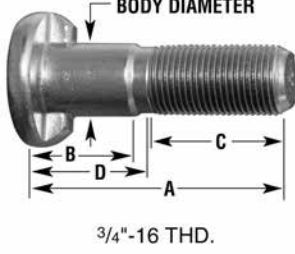
DOUBLE-ENDED STUDS WITHOUT FLATS - STUD BODY DIAMETER 1.220



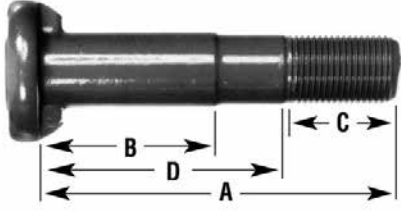
1 1/8"-16 THD. WHEEL END
3/4"-16 THD. HUB END

EUCLID NO.	A	B	C	D	E	GR.
E-8976-L	5.31"	3.63"	2.09"	1.69"	1"	8
E-8976-R						

WEDGE HEAD TYPE STUDS - STUD BODY DIAMETER .788

 <p style="text-align: center;">3/4"-16 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-9005-L	2.63"	1.00"	1.25"	1.25"	8	
	E-9005-R						
	E-9004-L	3.11"	1.41"	1.36"	1.75"	8	
E-9004-R							

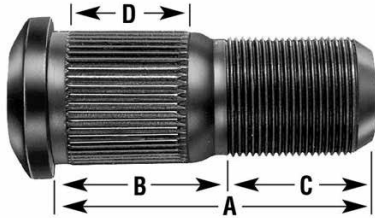
WEDGE HEAD TYPE STUDS - STUD BODY DIAMETER .792 - FOR ALUMINUM HUBS

 <p style="text-align: center;">3/4"-16 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-5924-L	3.41"	1.44"	1.63"	2.25"	8	
	E-5924-R						
	E-5916-L	3.55"	1.81"	1.06"	2.48"	8	
	E-5916-R						
	E-9002-L	3.75"	1.50"	1.75"	1.75"	8	
	E-9002-R						
	E-5923-L	3.80"	1.81"	1.13"	2.63"	8	
	E-5923-R						
	E-9000-L	3.97"	1.31"	2.00"	1.75"	8	
E-9000-R							

WHEEL STUDS

WHEEL END

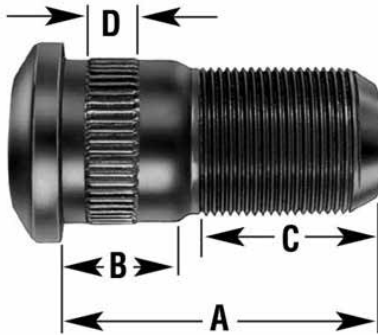
FRONT WHEEL STUDS - STUD BODY DIAMETER 1.216



1 1/8"-16 THD.

EUCLID NO.	A	B	C	D	GR.	
E-5897-L	2.63"	.88"	1.75"	.44"	8	
E-5897-R						
E-5986-L	2.95"	1.00"	1.95"	.56"	8	
E-5986-R						
E-11697-L	2.97"	1.19"	1.78"	.45"	8	
E-11697-R						
E-11699-L	3.13"	1.19"	2.06"	.45"	8	
E-11699-R						
E-5898-L	3.19"	1.38"	1.81"	1.00"	8	
E-5898-R						
E-8996-L	3.25"	.75"	2.25"	.63"	8	
E-8996-R						
E-11696-L	3.41"	1.31"	1.81"	.50"	8	
E-11696-R						
E-9001-L	3.47"	.88"	1.45"	.44"	8	
E-9001-R						
E-8972-L	3.50"	1.19"	2.03"	.75"	8	
E-8972-R						
E-8995-L	3.56"	1.44"	1.75"	1.00"	8	
E-8995-R						
E-6033-L	3.63"	1.75"	1.88"	.50"	8	
E-6033-R						

FRONT WHEEL STUDS - STUD BODY DIAMETER 1.220



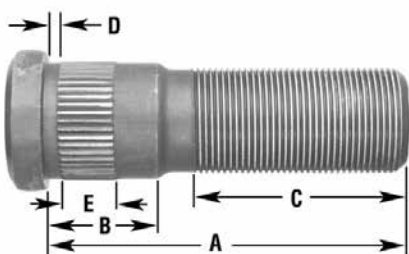
EUCLID NO.	A	B	C	D	GR.	
E-5748-L	2.41"	.88"	1.22"	.38"	8	
E-5748-R						
E-5749-L	2.81"	.88"	1.22"	.44"	8	
E-5749-R						
E-5750-L	3.00"	1.38"	1.63"	1.00"	8	
E-5750-R						
E-5899-L	3.13"	1.59"	1.53"	.38"	8	
E-5899-R						
E-8966-L	3.56"	1.56"	1.72"	.50"	8	
E-8966-R						
E-5868-L	3.63"	1.81"	1.81"	.75"	8	
E-5868-R						
E-8985-L	3.81"	1.19"	2.50"	.75"	8	
E-8985-R						
E-8990-L	4.00"	1.31"	1.81"	.75"	8	
E-8990-R						

WHEEL STUDS

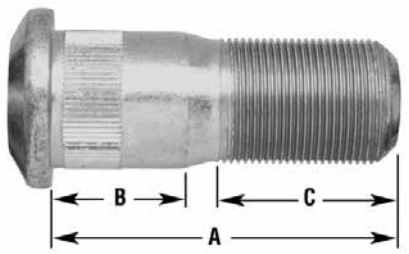
Brake and
Wheel End

WHEEL END

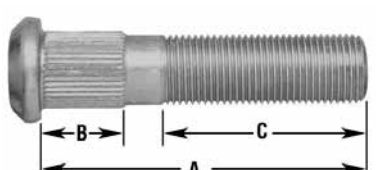
FRONT WHEEL STUDS - STUD BODY DIAMETER 1.220 - FOR ALUMINUM DISC WHEELS

 <p style="text-align: center;">1 1/8"-16 THD.</p>	EUCLID NO.	A	B	C	D	E	GR.
	E-5982-L	3.75"	1.22"	2.25"	.13"	.56"	8
	E-5982-R						
	E-10249-L	3.75"	1.38"	2.50"	.63"	.50"	8
	E-10249-R						
	E-5985-L	3.78"	1.38"	1.44"	.22"	1.00"	8
E-5985-R							

FRONT WHEEL STUDS - STUD BODY DIAMETER 1.220 - FOR ALUMINUM DISC WHEELS

 <p style="text-align: center;">1 1/8"-16 THD.</p>	EUCLID NO.	A	B	C	GR.
	E-10227-L	3.09"	1.16"	1.47"	8
	E-10227-R				
	E-10226-L	3.41"	1.53"	1.47"	8
	E-10226-R				
	E-10228-L	3.56"	1.16"	1.94"	8
	E-10228-R				
	E-10225-L	3.88"	1.53"	1.91"	8
E-10225-R					

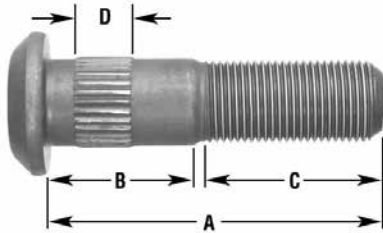
SERRATED WHEEL STUDS - STUD BODY DIAMETER .630

 <p style="text-align: center;">5/8"-18 THD.</p>	EUCLID NO.	A	B	C	GR.
	E-10229	2.94"	.75"	1.25"	8
E-10230	3.19"	1"	1.50"	8	

WHEEL STUDS

WHEEL END

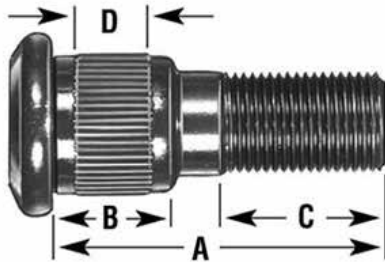
SERRATED WHEEL STUDS - STUD BODY DIAMETER .784



3/4"-16 THD.

EUCLID NO.	A	B	C	D	GR.	
E-10202-L	2.50"	.75"	1.50"	.50"	8	
E-10202-R						
E-8983-L	2.69"	.97"	1.41"	.50"	8	
E-8983-R						
E-8969-L	2.94"	1.31"	1.41"	.50"	8	
E-8969-R						
E-10206-L	3.00"	1.66"	1.25"	.50"	8	
E-10206-R						
E-8982-L	3.13"	1.34"	1.59"	.50"	8	
E-8982-R						
E-10209-L	3.16"	1.44"	1.50"	.50"	8	
E-10209-R						
E-8968-L	3.19"	.97"	1.63"	.50"	8	
E-8968-R						
E-10201-L	3.25"	1.75"	1.38"	.50"	8	
E-10201-R						
E-8979-L	3.34"	1.28"	1.84"	.50"	8	
E-8979-R						
E-10208-L	3.41"	1.44"	1.63"	.50"	8	
E-10208-R						
E-10210-L	3.78"	1.44"	2.00"	.38"	8	
E-10210-R						

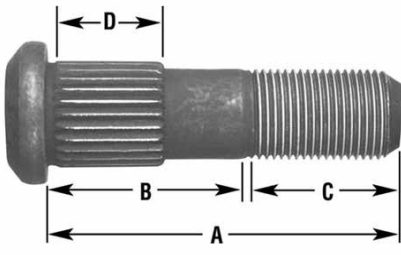
SERRATED WHEEL STUDS - STUD BODY DIAMETER .974



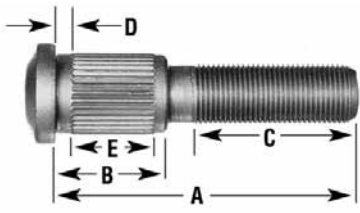
3/4"-16 THD.

EUCLID NO.	A	B	C	D	GR.	
E-5718-L	2.38"	.75"	1.16"	.50"	8	
E-5718-R						
E-5719-L	2.56"	.75"	1.38"	.50"	8	
E-5719-R						
E-5900-L	2.72"	.75"	1.59"	.50"	8	
E-5900-R						
E-5720-L	2.75"	.75"	1.47"	.50"	8	
E-5720-R						
E-5987-L	2.91"	1.19"	1.25"	1.00"	8	
E-5987-R						
E-5871-L	3.09"	1.38"	1.25"	1.00"	8	
E-5871-R						
E-6057-L	3.19"	1.19"	1.16"	1.00"	8	
E-6057-R						
E-5896-L	3.38"	1.31"	1.25"	1.00"	8	
E-5896-R						

SERRATED WHEEL STUDS - STUD BODY DIAMETER .745

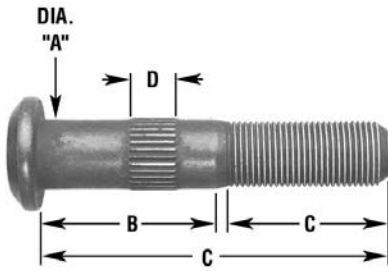
 <p>3/4"-16 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-8994-L	2.50"	1.16"	1.25"	.91"	8	
	E-8994-R						
	E-8992-L	2.97"	1.59"	1.19"	.94"	8	
	E-8992-R						
	E-8993-L	3.25"	1.88"	1.16"	1.13"	8	
E-8993-R							

DRIVE AXLE STUD - STUD BODY DIAMETER .975 - FOR ALUMINUM DISC WHEELS

 <p>3/4"-16 THD.</p>	EUCLID NO.	A	B	C	D	E	GR.
	E-5983-L	3.75"	1.38"	2.25"	.25"	1.00"	8
E-5983-R							

SERRATED WHEEL STUDS

WHEEL END



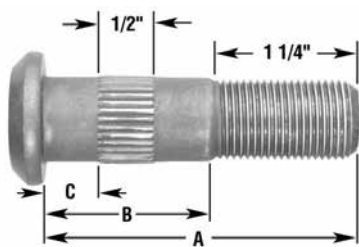
3/4"-16 THD.

EUCLID NO.	BODY DIA. "A"	A	B	C	D	GR.
E-8958-L	.772	2.88"	1.50"	1.19"	.50"	8
E-8958-R						
E-8955-L	.778	3.38"	1.28"	1.94"	.50"	8
E-8955-R						
E-8957-L	.778	3.50"	1.78"	1.28"	.50"	8
E-8957-R						
E-8954-L	.778	3.84"	2.34"	1.28"	.50"	8
E-8954-R						
E-11680-L	.780	2.38"	1.00"	1.06"	.50"	8
E-11680-R						
E-11673-L	.780	2.66"	.88"	1.34"	.50"	8
E-11673-R						
E-11668-L	.782	2.88"	1.00"	1.75"	.50"	8
E-11668-R						
E-9011-L	.784	2.38"	.88"	1.06"	.50"	8
E-9011-R						
E-8978-L	.784	3.41"	1.91"	1.22"	.50"	8
E-8978-R						
E-8977-L	.784	3.88"	2.06"	1.69"	.50"	8
E-8977-R						
E-11658-L	.790	2.56"	1.08"	1.25"	.50"	8
E-11658-R						
E-11660-L	.890	2.12"	.69"	1.25"	.50"	8
E-11660-R						
E-11681-L	.890	2.42"	1.00"	1.24"	.50"	8
E-11682-L						
E-11682-R	.890	2.69"	1.12"	1.38"	.38"	8
E-5911-L						
E-5911-R	.974	2.56"	.94"	1.25"	.44"	8
E-5721-L						
E-5721-R	.974	2.81"	1.19"	1.19"	.38"	8
E-9010-L						
E-9010-R	.974	2.84"	.81"	1.13"	.50"	8
E-5910-L						
E-5910-R	.974	3.13"	.81"	1.31"	.44"	8
E-9524-L						
E-9524-R	.974	3.19"	.78"	1.59"	.50"	8
E-9525-L						
E-9525-R	.974	3.34"	.78"	.78"	.50"	8
E-5909-L						
E-5909-R	.974	3.34"	1.84"	1.06"	.50"	8
E-5722-L						
E-5722-R	.974	4.00"	2.44"	1.19"	1.00"	8
E-9523-L						
E-9523-R	.974"	2.60"	.81"	1.12"	.25"	8
E-11669-L						
E-11669-R	.975	3.84"	1.21"	1.32"	.56"	8

WHEEL STUDS

Brake and
Wheel End

SERRATED WHEEL STUDS - STUD BODY DIAMETER .784

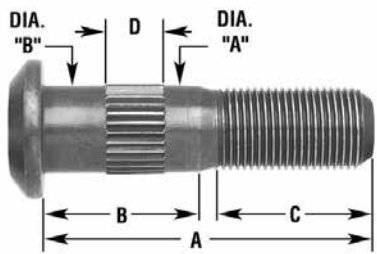


$\frac{3}{4}$ "-16 THD.

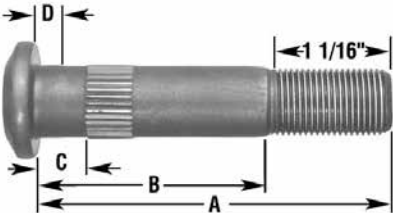
	EUCLID NO.	A	B	C	NOTES
	E-4964-L	2.13"	.75"	.25"	Used on TK, TKL, RL, TL (also Eaton). With some cast drums on TK, TKL, use E-4968-R/L. Used on RN, RQ, TKN. Grade 8
	E-4964-R				
	E-4965-L	2.38"	1"	.25"	Used on TK, TKL, RL, TL (also Eaton). With some cast drums on TK, TKL, use E-4968-R/L. Used on RN, RQ, TKN. Grade 8
	E-4965-R				
	E-4966-L	2.63"	1.25"	.31"	Grade 8
	E-4966-R				
	E-4967-L	2.88"	1.50"	.25"	Grade 8
	E-4967-R				
	E-4968-L	2.88"	1.50"	.50"	Used on TK, TKL, RL, TL (also Eaton). With some cast drums on TK, TKL, use E-4968-R/L. Used on RN, RQ, TKN. Grade 8
	E-4968-R				
	E-4969-L	3.13"	1.75"	.56"	Used on TK, TKL, RL, TL (also Eaton). With some cast drums on TK, TKL, use E. Grade 8
	E-4969-R				
	E-5869-L	4.13"	2.75"	.56"	Used on TK, TKL, RL, TL (also Eaton). With some cast drums on TK, TKL, use E. Grade 8
	E-5869-R				

WHEEL END

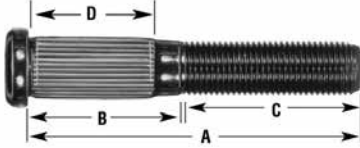
SERRATED WHEEL STUDS

Grade 8	EUCLID NO.	STUD BODY DIA.		A	B	C	D
		"A"	"B"				
 <p>3/4"-16 THD.</p>	E-8947-L	.777	.784	2.97"	1.41"	1.06"	.50"
	E-8947-R						
	E-9003-L	.779	.779	2.91"	1.06"	1.59"	.31"
	E-9003-R						
	E-11662-R	.784	.790	2.55"	1.14"	1.12"	.50"
	E-9008-L	.786	.786	3.38"	1.41"	1.66"	.50"
	E-9008-R						
	E-11665-R	.875	.975	2.38"	1.10"	1.16"	.44"
	E-11659-L	.890	.939	2.38"	.89"	1.25"	.50"
	E-11659-R						
	E-11661-L	.890	.939	2.38"	.89"	1.13"	.50"
	E-11661-R						
	E-11674-L	.890	.939	2.38"	1.00"	1.25"	.75"
	E-11674-R						
	E-11676-L	.890	.939	2.63"	.89"	1.38"	.50"
	E-11676-R						
	E-11672-L	.890	.939	2.63"	1.01"	1.38"	.50"
	E-11672-R						
	E-11678-L	.890	.939	2.77"	.87"	1.61"	.50"
	E-11678-R						
E-11677-L	.890	.939	3.05"	.89"	1.80"	.50"	
E-11677-R							

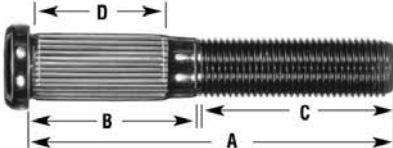
SERRATED WHEEL STUDS - STUD BODY DIAMETER .784

 <p>3/4"-16 THD.</p>	EUCLID NO.	A	B	C	D	GR.
	E-5764-L	2.38"	1.00"	.38"	.19"	8
	E-5764-R					
	E-5870-L	2.63"	1.25"	.44"	.19"	8
	E-5870-R					
	E-5775	2.75"	1.38"	.50"	.25"	8
	E-5776	3.00"	1.56"	.50"	.31"	8
	E-5756-L	3.38"	2.00"	.56"	.31"	8
	E-5756-R					
	E-5765-L	3.38"	2.00"	.38"	.19"	8
	E-5765-R					
	E-5757-L	3.63"	2.25"	.56"	.31"	8
	E-5757-R					
	E-5766-L	3.88"	2.50"	.56"	.31"	8
	E-5766-R					

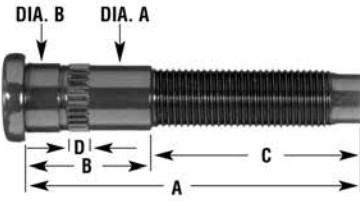
SERRATED WHEEL STUDS - STUD BODY DIAMETER .594

 <p>Use Euclid E-5892 Flanged Nut 9/16"-18 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-5724	3.25"	1.63"	1.63"	1.19"	8	

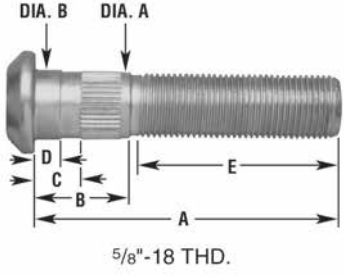
SERRATED WHEEL STUDS - STUD BODY DIAMETER .606

 <p>9/16"-18 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-8963	3.00"	1.06"	1.25"	.88"	8	
	E-8964	3.50"	1.06"	1.63"	.88"	8	
	E-8965	3.59"	1.28"	2.00"	.88"	8	

SERRATED WHEEL STUDS

<p>Grade 8</p>  <p>9/16"-18 THD.</p>	EUCLID NO.	STUD BODY DIA.		A	B	C	D
		"A"	"B"				
	E-8959-L	.600"	.641"	2.81"	1.13"	1.63"	.31"
E-8959-R							

SERRATED WHEEL STUDS

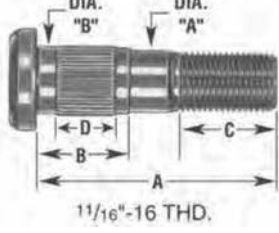
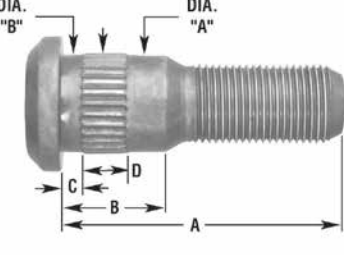
Grade 8	EUCLID NO.	STUD BODY DIA.		A	B	C	D	
		"A"	"B"				D	E
 <p>5/8"-18 THD.</p>	E-8946-L	.639	.673	2.94"	.94"	.44"	.673"	1.69"
	E-8946-R							

SERRATED WHEEL STUDS - STUD BODY DIAMETER .730

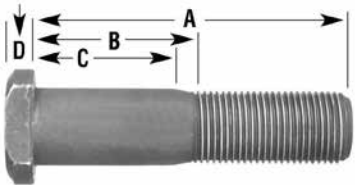
EUCLID NO.	A	B	C	GR.
E-5682	2.63"	1"	1.13"	8
E-5683	3.25"	1"	1.50"	8
E-5816	3.25"	1.33"	1.36"	8

11/16"-16 THD.

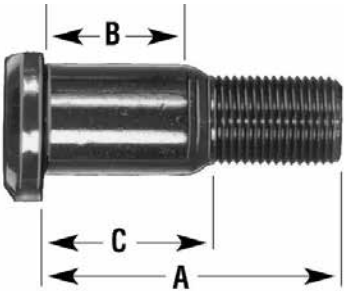
SERRATED WHEEL STUDS

Grade 8	EUCLID NO.	STUD BODY DIA.		A	B	C	D
		"A"	"B"				
 <p>11/16"-16 THD.</p>	E-8962	.728	.747	3.25"	1.13"	1.84"	.63"
	E-8961	.757	.757	3.63"	1.31"	1.97"	.50"
 <p>3/4"-16 THD.</p>	E-5632	.747	.827	3.25"	.88"	1.75"	.75"
	E-8949-L	.902	.910	2.59"	.97"	.22"	.41"
	E-8949-R						

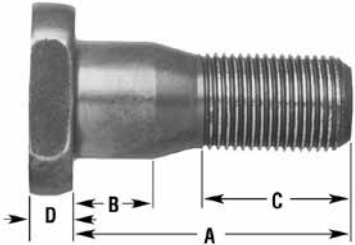
“D” HEAD STUDS - STUD BODY DIAMETER .785 - PLAIN BODY - FOR ALUMINUM HUBS

 3/4"-16 THD.	EUCLID NO.	A	B	C	D	GR.	
	E-10213-L	2.94"	1.13"	.94"	.31"	8	
E-10213-R							
E-6026-L	3.16"	1.72"	1.41"	.25"	8		
E-6026-R							
E-6058-L	3.25"	1.88"	1.53"	.25"	8		
E-6058-R							
E-10214-L	3.31"	1.75"	.94"	.31"	8		
E-10214-R							
E-6027-L	3.41"	1.75"	1.41"	.31"	8		
E-6027-R							
E-6059-L	3.53"	1.91"	1.56"	.25"	8		
E-6059-R							
E-6028-L	3.78"	1.91"	1.56"	.25"	8		
E-6028-R							

“D” HEAD STUDS - STUD BODY DIAMETER .874

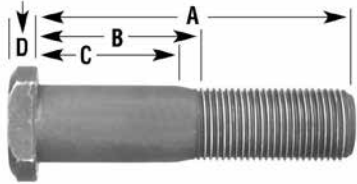
 3/4"-16 THD.	EUCLID NO.	A	B	C	GR.	
	E-5587-L	2.00"	.78"	.97"	8	
E-5587-R						
E-4988-L	2.25"	1.03"	1.33"	8		
E-4988-R						
E-5588-L	2.38"	1.19"	1.47"	8		
E-5588-R						

“D” HEAD STUDS - STUD BODY DIAMETER .888 - FOR DURA-LIGHT HUBS

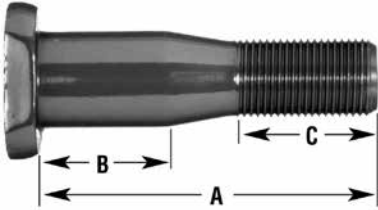
 3/4"-16 THD.	EUCLID NO.	A	B	C	D	GR.	
	E-10258-L	2.06"	.63"	1.13"	.31"	8	
E-10258-R							
E-10259-L	2.34"	.63"	1.38"	.31"	8		
E-10259-R							

WHEEL STUDS

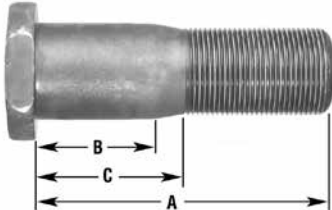
CLIPPED HEAD STUDS - STUD BODY DIAMETER .907 - PLAIN BODY

 <p>3/4"-16 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-11685-L	2.10"	.44"	.72"	1.39"	8	
	E-11686-L						
	E-11686-R	2.39"	.44"	.72"	1.67"	8	

"D" HEAD STUDS - STUD BODY DIAMETER .910

 <p>GRADE 8</p>	EUCLID NO.	A	B	C	GR.		
	E-8952-L						
	E-8952-R	3.16"	1.19"	1.25"	8		

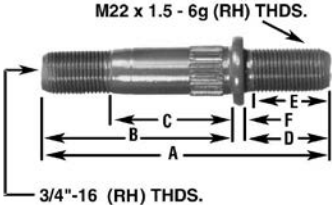
"D" HEAD STUDS - STUD BODY DIAMETER 1.224 - PLAIN BODY

 <p>1 1/8"-16 THD.</p>	EUCLID NO.	A	B	C	GR.	
	E-8950-L	3.72"	1.50"	1.75"	8	
	E-8950-R					

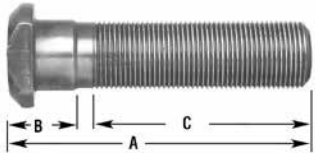
WHEEL STUDS — METRIC

Grade 10.9 (metric equivalent of Grade 8)

METRIC ROUND COLLAR SHOULDER STUDS - STUD BODY DIAMETER .781

 <p>M22 x 1.5 - 6g (RH) THDS. 3/4"-16 (RH) THDS.</p>	EUCLID NO.	A	B	C	D	E	F
	E-11724	5.54"	2.89"	1.64"	2.56"	2.25"	.09"
	E-11725	6.40"	2.89"	1.43"	3.43"	3.11"	.09"

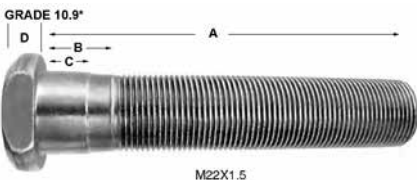
METRIC CLIPPED "D" HEAD STUDS - STUD BODY DIAMETER .888 - FOR DURA-LIGHT HUBS


 <p>M22X1.5 THD.</p>	EUCLID NO.	A	B	C	GR.	
	E-10256	3.38"	.50"	2.50"	10.9	
	E-10257	4.19"	.50"	3.31"	10.9	


WHEEL STUDS — METRIC

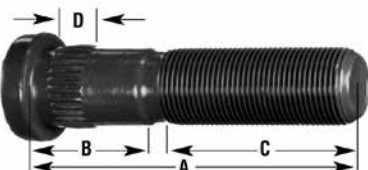
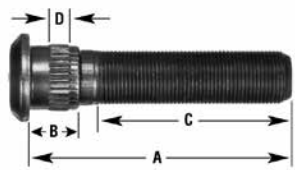
Brake and
Wheel End

Grade 10.9 (metric equivalent of Grade 8)

METRIC CLIPPED HEAD STUDS - STUD BODY DIAMETER .907 - PLAIN BODY							
EUCLID NO.	A	B	C	D	GR.		
 <p style="text-align: center;">M22X1.5</p>	E-11693	3.50"	.94"	.45"	.31"	10.9	
	E-11692	4.37"	.95"	.45"	.31"	10.9	

METRIC "D" HEAD STUDS - STUD BODY DIAMETER .910							
EUCLID NO.	A	B	C	GR.			
 <p style="text-align: center;">M22X1.5 THD.</p>	E-6029A	4.38"	1.30"	2.50"	10.9		
	E-6001A	4.97"	1.30"	3.25"	10.9		
	E-6030A	5.25"	1.30"	3.34"	10.9		

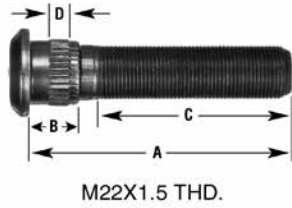
METRIC CLIPPED HEAD STUDS - STUD BODY DIAMETER .981							
EUCLID NO.	A	B	C	GR.			
 <p style="text-align: center;">M22X1.5 THD. E-5992A is "D" Head</p>	E-5994	3.25"	.67"	2.25"	10.9		
	E-5992A	3.56"	.72"	2.47"	10.9		
	E-5993	4.13"	.72"	3.06"	10.9		
	E-8997	4.72"	.63"	3.75"	10.9		

METRIC SERRATED STUDS - STUD BODY DIAMETER .791							
EUCLID NO.	A	B	C	D	GR.		
 <p style="text-align: center;">M22X1.5 THD.</p>	E-11706	2.75"	.75"	2.00"	.38"	10.9	
	E-11712	2.92"	.75"	2.17"	.38"	10.9	
	E-11703	3.68"	1.26"	2.42"	.38"	10.9	
	E-11707	3.88"	1.25"	2.63"	.38"	10.9	
	E-11709	4.17"	1.25"	2.92"	.38"	10.9	
 <p style="text-align: center;">M22X1.5 THD.</p>	E-11704	2.54"	.83"	1.72"	.38"	10.9	
	E-11705	3.11"	.98"	2.13"	.38"	10.9	

WHEEL END

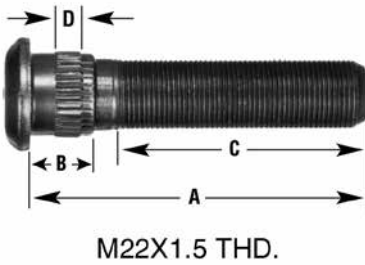
Grade 10.9 (metric equivalent of Grade 8)

METRIC SERRATED STUDS - STUD BODY DIAMETER .888



EUCLID NO.	A	B	C	D	GR.
E-9837	3.72"	.87"	2.56"	.38"	10.9

METRIC SERRATED STUDS - STUD BODY DIAMETER .890

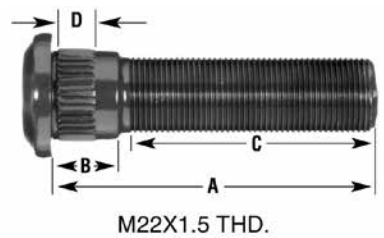


EUCLID NO.	A	B	C	D	GR.
E-11708	2.76"	.79"	1.65"	.38"	10.9
E-11718	2.81"	.87"	1.68"	.38"	10.9
E-11710	3.34"	.87"	2.23"	.38"	10.9
E-11714	3.61"	.87"	2.67"	.38"	10.9
E-11713	3.85"	.87"	2.69"	.38"	10.9
E-11717	3.85"	1.12"	2.63"	.38"	10.9
E-11701	3.88"	.87"	2.75"	.38"	10.9
E-11716	4.17"	.87"	3.01"	.38"	10.9
E-11702	4.31"	.87"	3.18"	.38"	10.9
E-11715	4.78"	.81"	3.84"	.38"	10.9

METRIC CLIPPED HEAD STUDS - STUD BODY DIAMETER .981



EUCLID NO.	A	B	C	D	GR.
E-5998	3.19"	.88"	2.00"	.41"	10.9
E-5997	3.66"	.88"	2.45"	.41"	10.9
E-5999	4.56"	.88"	3.40"	.41"	10.9



E-11719	2.94"	.87"	1.77"	.38"	10.9
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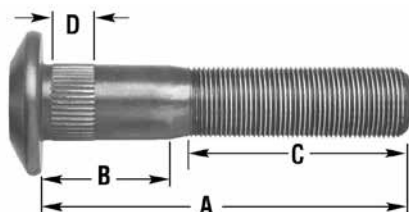
WHEEL STUDS — METRIC

Brake and
Wheel End

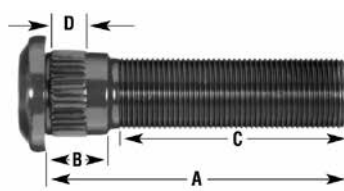
Grade 10.9 (metric equivalent of Grade 8)

WHEEL END

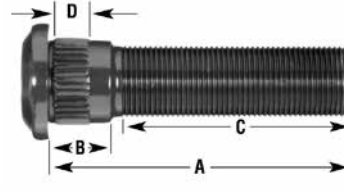
METRIC SERRATED STUDS - STUD BODY DIAMETER .910

 <p>M22X1.5 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-10222	3.66"	1.22"	2.09"	.50"	10.9	
	E-10218	3.97"	1.56"	2.06"	.50"	10.9	
	E-10215	4.09"	1.06"	2.34"	.50"	10.9	
	E-10223	4.16"	1.22"	2.09"	.50"	10.9	
	E-10219	4.47"	1.56"	2.56"	.50"	10.9	
	E-10216	4.59"	1.06"	2.84"	.50"	10.9	
	E-10217	4.97"	1.06"	3.22"	.50"	10.9	
	E-10220	4.97"	1.56"	3.06"	.50"	10.9	
	E-10221	5.34"	1.56"	3.44"	.50"	10.9	

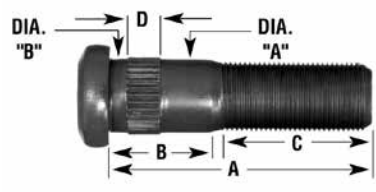
METRIC CLIPPED HEAD STUDS - STUD BODY DIAMETER .975

 <p>M22X1.5 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-9009	2.56"	.72"	1.69"	.38"	10.9	
	E-10242	2.91"	.72"	1.66"	.38"	10.9	
	E-17001	3.50"	.69"	2.50"	.50"	10.9	
	E-6036	3.50"	.72"	2.25"	.38"	10.9	
	E-8988	3.69"	.88"	2.34"	.50"	10.9	
	E-6035	3.94"	.72"	2.69"	.38"	10.9	
	E-8981	4.00"	.88"	2.91"	.50"	10.9	
	E-10676	4.25"	.68"	3.25"	.50"	10.9	

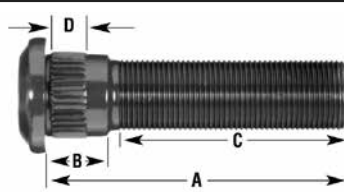
METRIC CLIPPED HEAD STUDS - STUD BODY DIAMETER .975 (CONTINUED)

 <p>M22X1.5 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-9526	4.31"	.72"	3.06"	.38"	10.9	
	E-14640	4.50"	.47"	3.50"	.37"	10.9	
	E-6034	4.78"	.72"	3.53"	.38"	10.9	
	E-8980	5.09"	.88"	3.75"	.50"	10.9	
	E-8987	5.19"	1.06"	3.72"	.50"	10.9	

METRIC SERRATED STUDS

 <p>M22X1.5 THD.</p>	STUD BODY DIA.		A	B	C	D	GR.
	EUCLID NO.	"A"	"B"	A	B	C	D
E-8960	.982	1.001	3.44"	2.00"	1.00"	.50"	10.9

METRIC SERRATED STUDS - STUD BODY DIAMETER 1.22

 <p>M22X1.5 THD.</p>	EUCLID NO.	A	B	C	D	GR.	
	E-8986	4.52"	1.00"	2.63"	.44"	10.9	

BUDD, DAYTON, GUNITE, MERITOR

WHEEL END

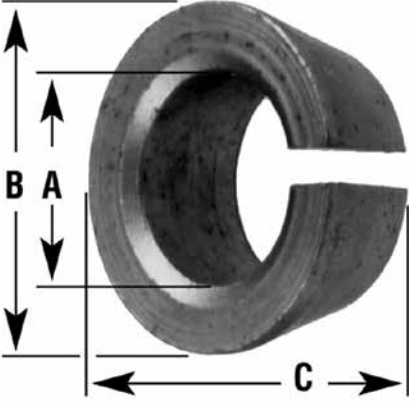


EUCLID NO.	BODY DIA.	LENGTH	HUB END		NUT END	
			THREAD	THRD.LGTH.	THREAD	THRD. LGTH.
E-5796	.44"	2.16"	.44"-14	.56"	.44"-20	.94"
E-5798	.50"	2.38"	.50"-13	.81"	.50"-20	.88"
E-5799	.50"	2.50"	.50"	.75"	.50"	.81"
E-11649	.50"	2.88"	.50"	.83"	.50"	.98"
E-11648	.50"	3.00"	.50"	1.00"	.50"-13	1.00"
E-11652	.50"	3.03"	.50"	1.00"	.50"-13	1.00"
E-5944	.56"	2.50"	.56"-12	.81"	.56"-18	.88"
E-11647	.56"	2.50"	.56"	1.00"	.56"	.90"
E-11646	.62"	2.88"	.62"-11	1.150"	.62"-18	1.12"
E-11651	.62"	2.94"	.62"	.85"	.62"-11	1.38"
E-11654	.62"	3.03"	.62"	.96"	.62"-18	1.36"
E-5946	.63"	2.50"	.63"-11	.94"	.63"-18	1.00"
E-5800	.63"	2.75"	.63"-11	1.00"	.63"-18	1.00"
E-5947	.63"	2.88"	.63"-11	.94"	.63"-18	1.00"
E-5954	.63"	2.88"	.63"-11	1.00"	.63"-18	1.06"
E-5801	.63"	3.06"	.63"-11	1.13"	.63"-18	1.06"
E-5949	.63"	3.25"	.63"-11	.94"	.63"-18	1.00"
E-5872	.63"	3.69"	.63"-11	1.53"	.63"-18	1.13"
E-5955	.75"	3.25"	.75"-10	1.13"	.75"-16	1.25"
E-4960	.75"	3.75"	.75"-10	1.13"	.75"-16	1.63"


DRIVE FLANGE & GENERAL PURPOSE STUDS




EUCLID NO.	BODY DIA.	LENGTH	HUB END		NUT END		GRADE
			THREAD	THREAD LENGTH	THREAD	THREAD LENGTH	
E-4942	.50"	2.00"	.50"-13	.69"	.50"-20	1.06"	8
E-4944	.50"	2.50"	.50"	.81"	.50"	1.19"	8
E-4945	.50"	2.75"	.50"	.94"	.50"	1.44"	8
E-4946	.50"	3.00"	.50"	.94"	.50"	1.75"	8
E-4947	.50"	3.50"	.50"	.94"	.50"	2.25"	8
E-4948	.56"	2.50"	.50"	.88"	.50"	1.25"	8
E-4949	.56"	2.75"	.56"-12	.94"	.56"-18	1.50"	8
E-4950	.56"	3.25"	.56"-12	.94"	.56"-18	1.94"	8
E-4951	.63"	2.63"	.63"-11	.94"	.63"-18	1.25"	8
E-5702	.63"	2.63"	.63"	1.06"	.63"	1.06"	8
E-4952	.63"	3.00"	.63"	.88"	.63"	1.81"	8
E-4953	.63"	3.50"	.63"	.88"	.63"	2.25"	8

DRIVE FLANGE WEDGE (PLATED)			
	EUCLID NO.	INNER DIA.	OUTER DIA.
	E-5952	.44"	.69"
	E-5736	.44"	.75"
	E-5737	.44"	.75"
	E-5738	.44"	.81"
	E-5739	.50"	.81"
	E-5740	.50"	.81"
	E-5957	.50"	.88"
	E-5742	.56"	.88"
	E-5743	.63"	1.00"
	E-5960	.63"	1.00"
	E-10828	.75"	1.13"


DRIVE FLANGE NUTS

	EUCLID NO.	THREAD	HEX
	E-5961	.44"-20	.69"
	E-5962	.50"-20	.75"
	E-5963	.56"-18	.88"
	E-2002	.63"-18	.94"
	E-5964	.75"-16	1.13"
	E-5032	.50"-20	.75"

DRUM BOLT ASSEMBLIES

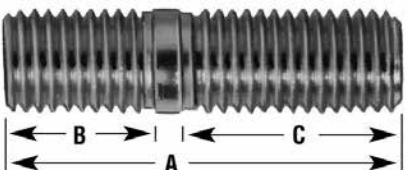
	EUCLID NO.	LENGTH	GRADE	TORQUE SPEC FT/LBS
	E-5970	2.00"	8	150-175
	E-9261	2.25"	8	150-175
	E-5971	2.00"	8	250-275
	E-9262	2.25"	8	250-275
	E-5972	2.00"	8	250-275

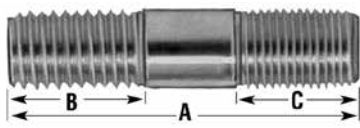
BRAKE DRUM ATTACHING SCREW

FOR OUTBOARD MOUNTING			
	EUCLID NO.	THREAD	LENGTH
	E-5018	.50" - 13	1.00"


SPOKE WHEEL & RIM STUDS

WHEEL END

	EUCLID NO.	A	THREAD	THREAD LENGTH	
				B	C
	E-4955	2.38"	.63" - 11	.88"	1.22"
E-4958	2.75"	.63 in - 11	.88"	1.69"	
E-4956A	3.00"	.75" - 10	1.06"	1.75"	
E-5706	3.13"	.75" - 10	1.06"	1.88"	
E-5726	3.25"	.63" - 11	.88"	1.88"	
E-4957	3.56"	.75" - 10	1.63"	1.63"	
E-5728	3.63"	.75" - 10	1.06"	2.38"	
E-5729	4.00"	.75" - 10	1.06"	2.75"	

	EUCLID NO.	A	B		C	
			THREAD	LENGTH	THREAD	LENGTH
E-5887	2.50"	.56"-12	.88"	.56"-18	.81"	
E-4987A	2.88"	.75"-10	1.63"	.75"-16	.88"	

SPOKE WHEEL & RIM BOLTS

	EUCLID NO.	THREAD	LENGTH	GENERAL INFORMATION	GRADE
E-5012	.63 in-11	2.00"	Clipped head, round body. Use with E-4962 Nut.	8	
E-5761	.75"-10	2.19"	Use with E-4963 Nut.	8	
E-4990A	.63"-11	2.25"	Use with E-4962 Nut. Square Head	8	

SPOKE WHEEL & RIM STUDS








Brake and Wheel End

WHEEL END

	EUCLID NO.	A	B	C	D	SPACER WIDTH
	E-5926	.50"	2.00"	2.00"	.75"	
	E-5838	.19"	2.50"	2.63"	.75"	
	E-5570	1.00"	2.88"	2.50"	.63"	4.00"
	E-5571A	1.13"	2.88"	2.50"	.75"	4.00"
	E-5784A	1.38"	2.88"	2.50"	.75"	4.00"
	E-5040A	1.50"	2.88"	2.50"	.75"	3.63"
	E-5044	1.63"	2.75"	2.50"	.63"	3.38"
	E-5572A	1.75"	2.88"	2.50"	.75"	3.38"
	E-5785A	1.88"	2.88"	2.41"	.75"	3.38"
	E-5827	1.13"	6.00"	2.44"	.75"	
	E-5883	1.31"	6.00"	2.50"	.75"	
	E-5828	1.81"	6.00"	2.44"	.75"	3.38"
	E-5573	1.13"	3.50"	2.25"	.63"	4.00"

RIM CLAMPS





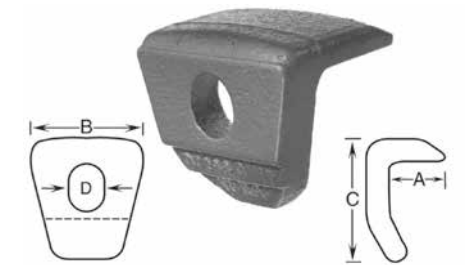



WHEEL END

	EUCLID NO.	A	B	C	D	SPACER WIDTH
	E-5837	1.81"	2.25"	1.81"	.75"	
	E-5823	1.13"	2.50"	2.44"	.75"	
	E-5885	1.19"	2.50"	2.41"	.75"	
	E-5822	1.50"	2.50"	2.44"	.75"	
	E-5820	1.63"	2.50"	2.44"	.75"	
	E-5781	1.88"	2.50"	2.44"	.75"	
	E-5821	2.13"	2.50"	2.44"	.75"	
	E-5783	2.38"	2.50"	2.44"	.75"	
	E-5841	.53"	1.88"	2.00"	.75"	
	E-5902	.50"	2.50"	3.63"	.75"	8.00"
	E-9023	.63"	2.50"	3.63"	.75"	
	E-5890	.50"	2.00"	2.13"	.75"	
	E-5891	.75"	2.00"	2.16"	.75"	

RIM CLAMPS


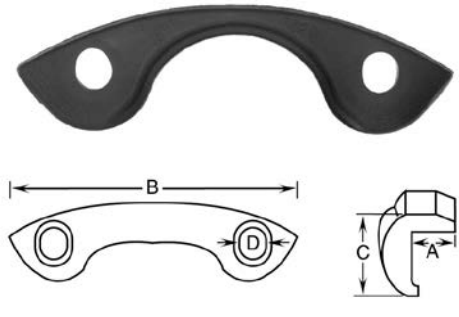

Brake and Wheel End

WHEEL END

	EUCLID NO.	A	B	C	D	SPACER WIDTH
	EUCLID NO.	A	B	C	D	TYPE
	E-9024	.34"	2.63"	2.75"	.75"	
	E-5974	1.44"	2.31"	2.34"	.75"	Type 2 Rear Wheel
	E-5904A	1.38"	2.88"	2.38"	.75"	4.00"
	E-5906	1.63"	2.25"	2.25"	.75"	3.63"
	E-5904A	1.31"	2.63"	2.19"	.75"	4.00"
	E-6053	1.00"	.31"	2.63"	2.50"	.81"

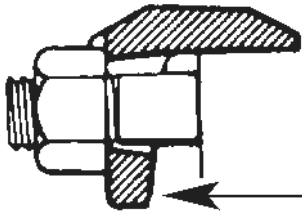
RIM CLAMPS

WHEEL END

	EUCLID NO.	A	B	C	D	SPACER WIDTH
	E-6054	.50"	1.25"	3.44"	2.06"	.81"
	EUCLID NO.	A	B	C	D	WHEEL SIZE
	E-5825	1.06"	12.31"	2.31"	.75"	22"
	E-5824	1.13"	10.63"	2.50"	.75"	20"
	E-5953	1.25"	7.75"	1.81"	.75"	15"
	E-5973	1.94"	7.69"	1.86"	.75"	15"
	EUCLID NO.	A	B	C	STUD D	COMMENTS
	E-5976	5.75"	3.25"	2.38"	.75"	Not recommended for Severe Service off-highway applications

SPOKE WHEEL SERVICE INFORMATION

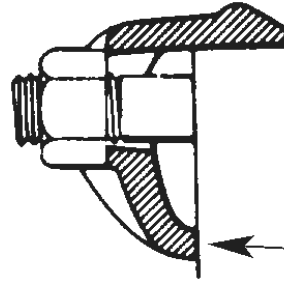
HEEL-LESS CLAMP



Heel-less clamps do not depend on a fulcrum at the bottom of the clamp to produce the force to wedge the rims.

Heel of clamp does not touch wheel here.

HEEL CLAMP

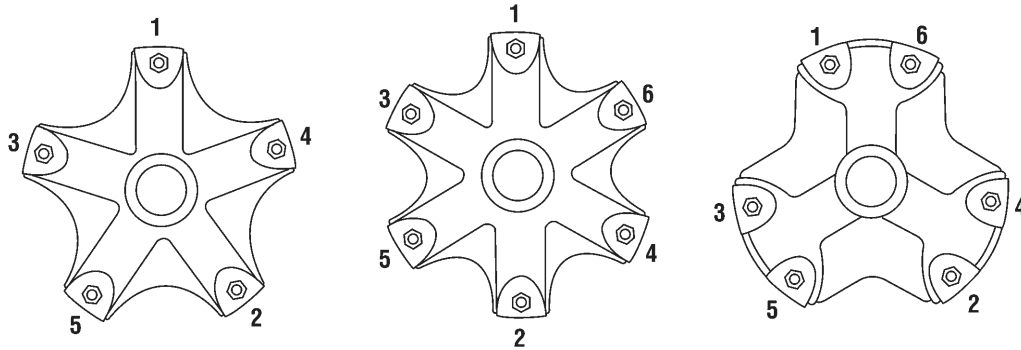


Gap permissible but not required - if gap exceeds 1/4" or if clamp bottoms out before reaching 80% of recommended torque, check to insure that proper clamps and spacer are being used.

MOUNTING INSTRUCTIONS

1. Position all Rim Clamps in place, then install the Rim Clamp Nuts finger tight. If Ball Faced Nuts are required by clamp design, be sure they are placed with the ball side to the Clamp.
2. Lightly tighten Nuts in the sequence shown to 50 foot-pounds.

Tighten Nuts to Wheel manufacturer's Specifications in the sequence shown. Tighten Nuts and a quarter turn at a time.



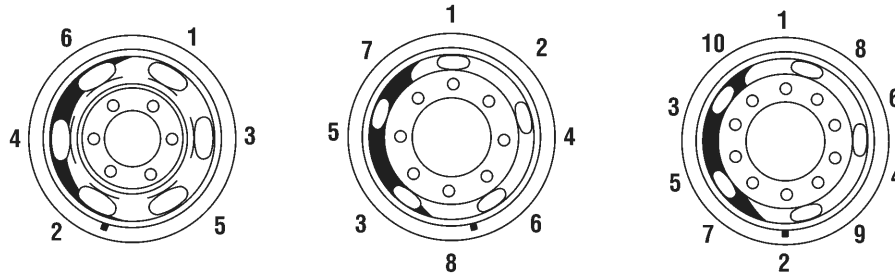
TORQUE CHART

NUT THREAD	TORQUE LEVEL
5/8" - 11	160 - 200 ft. lbs. (dry)
3/4" - 10	200 - 260 ft. lbs. (dry)

Information courtesy of TMC (The Maintenance Council of The American Trucking Association). For complete wheel service guidelines see TMC RP-222, "User's Guide to Wheels and Rims".

INSTALLATION TIPS

1. Never mix hub-piloted and stud-piloted wheels, hubs and nuts. The result could be loss of torque, a cracked wheel or possible wheel loss.
2. For nuts used on hub-piloted wheels, apply two drops of oil to a point between the nuts and flanges and two drops to the last 2 or 3 threads at the end of each stud. Also, lightly lubricate the pilots on the hub to ease wheel installation and removal. Do not get lubricant on the mounting face of the drum or wheel.
3. For nuts used on stud-piloted wheels, do not use lubrication. Never lubricate wheel or nut ball seats or mounting faces. If lubrication is used, consult the wheel manufacturer for torque recommendations.
4. Install nuts using proper installation sequence as shown below. Snug up nuts to about 50 ft.lbs. Torque. Do not tighten fully until all have been seated; then torque to specs as shown below using the same installation sequence.
5. After a wheel assembly has been installed, recheck the torque level between 50 and 100 miles of operation and retighten if necessary to the recommended torque using the proper sequence.
 - a. To check and retorque an inner cap nut, it is necessary to loosen the outer cap nut first; then tighten the inner cap nut. Outer cap nuts then must be retightened to the proper level.
 - b. It is recommended that a torque check be made as part of a vehicle's scheduled maintenance program or at 10,000 mile intervals, whichever comes first.



TORQUE CHART

MOUNTING TYPE	NUT THREAD	TORQUE LEVEL
Hub-piloted with flange nut	1 1/16" – 16	280-330 ft. lbs (oiled)*
	M20 x 1.5	450-500 ft. lbs (oiled)*
	M22 x 1.5	300-400 ft. lbs (oiled)*
Stud-piloted, double cap nut- heavy-duty type (7/8" ball seat radius)	3/4" – 16	450-500 ft. lbs (dry)*
	1-1/8" - 16	450-500 ft. lbs (dry)*
Stud-piloted, double cap nut - heavy-duty type (1-3/16" ball seat radius)	15/16" – 12	750-900 ft. lbs (dry)*
	1-1/8" – 16	750-900 ft. lbs (dry)*
	1-5/16" - 12	750-900 ft. lbs (dry)*



* See Installation Tip #2 (above)

Information courtesy of TMC (The Maintenance Council of The American Trucking Association). For complete wheel service guidelines see TMC RP-222, "User's Guide to Wheels and Rims".

TRAILER AXLE SPINDLE HARDWARE

WHEEL END

EATON & FRUEHAUF AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		PIN	
						O.D.	I.D.	DIA.	LENGTH
	E-2306	Cotter Pin						.25"	3"
	E-620	Axle Spindle Washer			.25"	3"	1.50" x 1.38" "D" Hole		



EATON, MERITOR, SPICER & STD. FORGE 13,000 & 14,000 LB. AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-617	Axle Spindle Lock Washer			.06"	3"	1.75" x 1.63" "D" Hole	
	E-619	Axle Thrust Washer			.13"	3"	1.75" x 1.63" "D" Hole	

FRUEHAUF PRO-PAR® AXLE AND MERITOR EARLY MODEL TP AXLE



	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		PIN	
						O.D.	I.D.	DIA.	LENGTH
	E-1559	Cotter Pin						.25"	1"





FRUEHAUF PRO-PAR® AXLE AND MERITOR EARLY MODEL TP AXLE

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		PIN	
						O.D.	I.D.	DIA.	LENGTH
	E-1561	Axle Spindle Washer			.22"	5.06"	3.50"		
	E-2550	Axle Spindle Nut	4.75"	3.50"-12	1.13"				

WHEEL END

MERITOR RL, RN, RQ, TK, TKL, TKN AXLES - "POSITIVE" ADJUSTMENT								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-3010	Axle Spindle Lock Washer			.06"	4"	2.41"	
	E-1252	Axle Spindle Lock Washer			.38"	3.81"	2.41"	
	E-1251	Outer Axle Spindle Nut	3.25"	2.38"16	.38"			


MERITOR RL, RN, RQ, TK, TKL, TKN AXLES - "POSITIVE" ADJUSTMENT								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-1253	Inner Axle Spindle Nut	3.81"	2.38"16	.50"			
	E-2128	Replacement Service Nut	3.81"	2.38"16	.50"			Used in place of E-1253 to convert to "MANUAL" adjustment

MERITOR TN, TQ AXLES - "MANUAL" ADJUSTMENT								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-3008	Lock Washer			.25"	3.88"	2.64"	Includes E-10793 set screw
	E-572	Outer Axle Spindle Nut	3.25"	2.63"-16	.38"			
	E-540	Inner Axle Spindle Nut	3.81"	2.63"-16	.38"			
	MER614743	Temper-Loc Spindle Nut	3.81"	2.63"-16	.38"			Replaces 447-4743


TRAILER AXLE SPINDLE HARDWARE

WHEEL END


MERITOR TN, TQ AXLES - "POSITIVE" ADJUSTMENT

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-7663	Axle Spindle Lock Washer			.23"	3.88"	2.39"	
	E-1251	Outer Axle Spindle Nut	3.25"	2.38"-16	.38"			
	E-1253	Inner Axle Spindle Nut	3.81"	2.38"-16	.50"			
	E-2128	Replacement Service Nut	3.81"	2.38"-16	.50"			Used in place of E-1253 to convert to "manual" adjustment


MERITOR TP AXLE - "MANUAL" ADJUSTMENT

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-7665	Axle Spindle Lock Washer			.22"	5.06"	3.50"	Includes E-1073 set screw
	E-7666	Outer Axle Spindle Nut	4.38"	3.50"-12	.38"			
	E-7664	Inner Axle Spindle Nut	4.84"	3.50"-12	.38"			
	MER614723	Temper-Loc Spindle Nut		3.63"-12				Replaces 447-4773

MERITOR TP AXLE - "POSITIVE" ADJUSTMENT

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-7660	Axle Spindle Lock Washer			.23"	4.75"	3.31"	Includes E-1073 set screw
	E-7659	Axle Spindle Lock Washer			.28"	5"	3.28"	
	E-2303	Inner Axle Spindle Nut	4.00"	3.25"-12	.38"			
	E-2305	Outer Axle Spindle Nut	4.00"	3.25"-12	.38"			
	E-7658	Inner Axle Spindle Nut	4.00"	3.25"-12	.38"			Use E-2303 and E-7660 together in place of E-7658 to convert to "MANUAL" adjustment





MERITOR TR AXLE

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-7660	Axle Spindle Lock Washer			.23"	4.75"	3.31"	Includes E-10793 set screw
	E-2303	Inner Axle Spindle Nut	4.00"	3.25"-12	.38"			
	E-2305	Outer Axle Spindle Nut	4.00"	3.25"-12	.38"			



TRAILER AXLE SPINDLE HARDWARE

WHEEL END

MERITOR, EATON, KERSHAW & STD. FORGE 17,000 & 18,000 LB. TRADE AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		TAB LENGTH
						O.D.	I.D.	
	E-3009	Axle Spindle Lock Washer			.06"	4.03"	2.64"	.09"
	E-2237	Axle Spindle Lock Washer			.06"	4.03"	2.64"	.16"
	E-573	Axle Spindle Lock Washer			.25"	3.94"	2.64"	
	E-572	Outer Axle Spindle Nut	3.25"	2.63"-16	.38"			
	E-540	Inner Axle Spindle Nut	3.81"	2.63"-16	.38"			

MERITOR, SPICER & STD. FORGE 11,000 LB. AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-1000	Axle Spindle Lock Washer			.06"	2.88"	1.50" x 1.38" "D" Hole	
	E-1001	Axle Thrust Washer			.13"	2.25"	1.50" x 1.38" "D" Hole	
	E-1087	Spindle Nut	2.25"	1.50"-12	.28"			



SPICER D21 & D22 AND STD. FORGE A25 & A26 AXLES


	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2237	Axle Spindle Lock Washer			.06"	4.03"	2.64"	
	E-573	Axle Spindle Lock Washer			.25"	3.94"	2.64"	


TRAILER AXLE SPINDLE HARDWARE



Brake and
Wheel End

WHEEL END

SPICER D21 & D22 AND STD. FORGE A25 & A26 AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-572	Outer Axle Spindle Nut	3.25"	2.63"-16	.38"			
	E-540	Inner Axle Spindle Nut	3.81"	2.63"-16	.38"			



CHEVROLET & GMC G30, P30, G3500								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4879	Thrust Washer			.13"	2.25"	.88"	

FORD 5,000 LB. FRONT AXLE								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4859	Axle Spindle Nut	1.44"	1.00"-14	.63"			

FORD 6,000 LB. FRONT AXLE								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4869	Thrust Washer			.19"	3"	1.50"	
	E-4861	Axle Spindle Nut	2.25"	1.50"-18	.88"			

TRAILER AXLE SPINDLE HARDWARE

WHEEL END

MACK FRONT AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-3502	Axle Thrust Washer			.13"	3"		
	E-3501	Axle Spindle Nut	2.63"	1.63"-12	.38"			


NAVISTAR 02109 (DANA FA109) 9,000 LBS. NAVISTAR 02139 (DANA FA139) 12,000 LBS. NAVISTAR 02309 (DANA I-90) 9,000 LBS. NAVISTAR 02329 (DANA I-108) 10,800 LBS.								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4871	Lock Washer			.09"	3.44"	2.09"	
	E-6138	Thrust Washer			.25"	3.75"	2.09"	
	E-4855	Axle Spindle Nut	2.88"	2.06"-16	.38"			
	E-4871	Lock Washer			.09"	3.44"	2.09"	
	E-6139	Thrust Washer			.25"	4.13"	2.09"	
	E-4855	Axle Spindle Nut	2.88"	2.06"-16	.38"			

TRAILER AXLE SPINDLE HARDWARE


Brake and
Wheel End

WHEEL END


NAVISTAR FA48

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4875	Thrust Washer			.20"	2.13"	1"	


NAVISTAR FA70, FA89, FA91, FA98

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4868	Thrust Washer			.16"	2.63"	1.13"	

MERITOR FD-900, FD-901, FE-900, FF-901, FF931 AXLES



	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2298	Spindle Washer			.03", .05"	2.75"	1.53"	

MERITOR FD-900, FD-901, FE-900, FF-901, FF931 AXLES


	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2297	Axle Spindle Lock Washer			.19"	2.75"	1.53"	
	E-2296	Outer Axle Spindle Nut	2.25"	1.50"-12	.44"			
	E-2299	Inner Axle Spindle Nut	2.63"	1.50"-12	.38"			
	MER614836	Temper-Loc Spindle Nut FF Axle	2.63"	1.50"-12				Replaces 448-4836
	MER614837	Temper-Loc Spindle Nut FE Axle	2.63"	1.50"-18				Replaces 448-4836

STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

WHEEL END

MERITOR FE-970 AND E SERIES DRIVE AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2301	Axle Spindle Lock Washer			.06"	3.31"	2.25"	
	E-2300	Axle Spindle Nut	2.88"	2.25"-16	.31"			



MERITOR FG-900 AXLE								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2659	Axle Spindle Washer			.03"	3.25"	1.78"	
	E-2660	Lock Washer			.22"	3.00"	1.78"	
	E-3510	Inner Nut		1.75"-12	.50"	3.31"		
	E-2658	Outer Axle Spindle Nut	2.50"	1.75"-12	.69"			

MERITOR 16,000 LB. AXLE								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2659	Axle Spindle Washer			.03"	3.25"	1.78"	
	E-2660	Lock Washer			.22"	3.00"	1.78"	
	E-2658	Outer Axle Spindle Nut	2.50"	1.75"-12	.69"			



STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS




Brake and
Wheel End

WHEEL END

MERITOR FH-901, FL-901, FL-931 AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2663	Axle Thrust Washer			.25"	4.13"	1.78"	
	E-2662	Axle Spindle Nut	2.63"	1.75"-12	1.38"			

CHEVROLET & GMC H150								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4873	Lock Washer			.06"	3.13"	2.13"	



CHEVROLET & GMC T150 & T170								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4876	Lock Washer			.08"	3.88"	2.50"	
	E-4858	Axle Spindle Nut	3.63"	2.50"-16	.38"			

EATON 32M-MR, -34M, -MF, 34D-DT-RT, 17800-17801 SERIES AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2461	Lock Washer			.13"	4"	2.63"	
	E-2462	Inner Axle Spindle Nut	3.44"	2.63"-12	.47"			
	MER614973	Temper-Loc Spindle Nut		2.63"-12				Replaces 449-4973



STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

WHEEL END



EATON 38R3, RP-RT, 42R3-RP-RT, 18800, 18801-02-03 SERIES AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2464	Axle Spindle Lock Washer			.13"	4.50"	3"	
	E-2465	Inner Axle Spindle Nut	3.81"	3.00"-12	.38"			

EATON 32M-MR, -34M, -MF, 34D-DT-RT, 17800-17801 SERIES AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2467	Axle Spindle Lock Washer			.13"	4.75"	3.25"	
	E-2468	Inner Axle Spindle Nut	4.13"	3.25"-12	.50"			

FORD 15,000 LB. REAR AXLE



	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4878	Lock Washer			.06"	3"	2"	
	E-4863	Axle Spindle Nut	2.56"	2.00"-16	2.03"			

STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

Brake and
Wheel End

WHEEL END

FORD 18,000 LB. REAR AXLE								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2461	Lock Washer			.13"	4"	2.63"	
	E-573	Axle Spindle Lock Washer			.25"	3.94"	2.64"	
	E-2462	Inner Axle Spindle Nut	3.44"	2.63"-12	.47"			
	E-6142	Axle Spindle Nut	3.50"	2.63"-12	.38"			

MACK 50,000 LB.								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2304	Axle Spindle Lock Washer			.19"	4.38"	3.25"	
	E-2305	Outer Axle Spindle Nut	4.00"	3.25"-12	.38"			
	E-2303	Inner Axle Spindle Nut	4.00"	3.25"-12	.38"			
	MER614973	Temper-Loc Spindle Nut						

STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

WHEEL END

MACK 55,000, 58,000, 65,000 LB. SW-50C, SW-55C, SW-58C, SW-65C, S-50C, S-55C, S-58C, S-65C

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-6148	Thrust Washer			.25"	6.38"	4"	
	E-6146	Lock Washer			.25"	5.25"	3.56"	
	E-6147	Axle Spindle Nut	5.25"	3.56"-12	.50"			
	E-6145	Axle Spindle Nut	5.25"	3.56"-12	.50"			




MACK SW-56C SERIES AXLE



	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-3505	Axle Spindle Lock Washer			.16"	4.44"	2.89"	
	E-6144	Washer			.25"	4.13"	3.25"	
	E-3504	Inner Axle Spindle Nut	4.13"	2.88"-12	.38"			
	E-3506	Outer Axle Spindle Nut	4.13"	2.88"-12	.38"			



STEERING AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

Brake and
Wheel End

WHEEL END

MACK SW-57C SERIES AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-3508	Axle Spindle Lock Washer			.25"	4.44"	2.95"	
	E-3509	Outer Axle Spindle Nut	4.13"	2.94"-12	.38"			
	E-3507	Inner Axle Spindle Nut	4.13"	2.94"-12	.38"			



NAVISTAR 14039 (INTERNATIONAL/DANA F170S) NAVISTAR 14042 (INTERNATIONAL/DANA J175S) NAVISTAR 14199 (EATON 16244) NAVISTAR 14341 (INTERNATIONAL/DANA RA341)						17,000 LBS. 17,500 LBS. 17,500 LBS. 30,000 LBS.		
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4881	Lock Washer			.13"	3.75"	2.53"	
	E-4857	Axle Spindle Nut	3.25"	2.50"-12	.34"			

NAVISTAR 14044 (INTERNATIONAL/DANA J190S) NAVISTAR 14186 (EATON 17202/22) NAVISTAR 14351 (INTERNATIONAL/DANA G340S)						19,000 LBS. 19,000 LBS. 34,000 LBS.		
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-4877	Lock Washer			.13"	4.06"	2.63"	
	E-2462	Inner Axle Spindle Nut	3.44"	2.63"-12	.47"			



DRIVE AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

WHEEL END




NAVISTAR 14308 (EATON DS402P)	40,000 LBS.
NAVISTAR 14309 (EATON RT402)	40,000 LBS.
NAVISTAR 14342, 14464 (EATON DT401P)	40,000 LBS.
NAVISTAR 14311 (EATON RS460/461)	46,000 LBS.
NAVISTAR 14364 (EATON RS401)	40,000 LBS.
NAVISTAR 14493 (EATON RS341)	34,000 LBS.
NAVISTAR 14494 (EATON RS381/402)	38,000 LBS.
NAVISTAR 14277 (MERITOR U240)	29,000 LBS.
NAVISTAR 14348 (MERITOR SQHD)	38,000 LBS.
NAVISTAR 14338, 14336 (MERITOR SRDD)	44,000 LBS.
NAVISTAR 14368 (MERITOR STDD)	50,000 LBS.

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-6141	Lock Washer			.13"	4.75"	3.25"	
	E-6140	Axle Spindle Nut	4.13"	3.25"-12	.38"			

MERITOR F SERIES AXLES

	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2418	Axle Spindle Lock Washer			.16"	3.75"	2.50"	
	E-2419	Outer Axle Spindle Nut	3.50"	2.50"-16	.31"			
	E-2417	Inner Axle Spindle Nut	3.50"	2.50"-16	.31"			




MERITOR H SERIES AXLES




	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2421	Axle Spindle Lock Washer			.19"	3.75"	2.63"	
	E-2422	Outer Axle Spindle Nut	3.50"	2.63"-16	.31"			
	E-2420	Inner Axle Spindle Nut	3.50"	2.63"-16	.31"			





DRIVE AXLE SPINDLE HARDWARE FOR LIGHT, MEDIUM, AND HEAVY-DUTY TRUCKS

Brake and
Wheel End

WHEEL END

MERITOR SPECIAL H SERIES AXLES H-145, H-162, H-172, H-240, H-262, H-362, H-350								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2421	Axle Spindle Lock Washer			.19"	3.75"	2.63"	
	E-2462	Inner Axle Spindle Nut	3.44"	2.63"-12	.47"			
	E-6142	Axle Spindle Nut	3.50"	2.63"-12	.38"			

MERITOR L SERIES AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2424	Axle Spindle Lock Washer			.19"	4.25"	3"	
	E-2425	Outer Axle Spindle Nut	4.00"	3.00"-12	.38"			
	E-2423	Inner Axle Spindle Nut	4.00"	3.00"-12	.38"			

MERITOR Q & R SERIES AXLES FOR SQHD & R170 DRIVE AXLES								
	EUCLID NO.	DESCRIPTION	ACROSS FLATS	THREAD SIZE	THICKNESS	WASHERS		COMMENTS
						O.D.	I.D.	
	E-2304	Axle Spindle Lock Washer			.19"	4.38"	3.25"	
	E-2305	Outer Axle Spindle Nut	4.00"	3.25"-12	.38"			
	E-2303	Inner Axle Spindle Nut	4.00"	3.25"-12	.38"			
	MER614973	Temper-Loc Spindle Nut						Replaces 449-4973

MERITOR WHEEL BEARING ADJUSTMENT SYSTEM FOR THE AFTERMARKET

Optimal Preload with the Doctor Preload Tool.

Doctor Preload, when used in conjunction with Temper-Loc spindle nuts, is the ideal wheel-end bearing adjustment solution. The system sets the bearings to precise preload settings with a quick, simple, reliable and repeatable process.

Features and Benefits:

- Measured, precise, repeatable settings to optimal preload for more time on the road
 - Improved tire life
 - Optimal bearing, spindle and wheel seal life
 - Decreased ABS faults
- Adjusts wheel-end bearings to meet SAE J2535 recommended preload settings



Temper Axle Products Corporation
Leading the world in bearing adjustment technology

SPECIFICATIONS

DOCTOR PRELOAD TOOL PART NUMBER	USE WITH TEMPER-LOC NUT	RETAINER RING PART NUMBER	AXLE SPINDLE APPLICATION	AXLE APPLICATION
MER415005	MER614723	MER644723	TP Trailer	Meritor (TP), Dana, Eaton (P22), Fruehauf, Propar
MER415084	MER614743	MER644743	TN Trailer	Meritor (F, H, RL, RQ, TK, TKL, TKLD, TL, TLD, TN, TND, TO, TQC, TQD) Dana Spicer (D20, D21, D22, DD22, K21, K25, K30) Eaton (C, C2, CD, CD2, CE, ESA225J, EST, EST225J, EST230J, ETA230C, ETA225D, ETA225J, H23L, H25R, HCE, HJ, HJE, LA15, T18C, 20L-77,22L, 22R, J, JE, JH, 23L, 23R, 25R) Hendrickson (HN) Ingersoll (A22T) Standard Forge (A25, A26, 17,000 lbs, 18,000 lbs trade)
MER415002	MER614836	MER644836	FF Steer	Meritor (FD900, FD901, FD961, FE900, FE903, FF900, FF901, FF921, FF931, FF932, FF933, FF941, FF942, FF943, FF944, FF952, FF961, FG941) Spicer (1100S)
MER415347	MER614837	MER644837	FE Steer	Meritor (FE931) Eaton (EFA12FA, EFA13FS, E12001, FE931, 12K, 13.2K) Ford Sifco 12K Ford 6K
MER415004	MER614973	MER644973	R Drive	Meritor (TR), Eaton (P22), Ford, Rainstar

* Note: Not compatible with Conmet aluminum hubs for TN trailer axles. Contact our Customer Care team for more information.

SPECIFICATIONS

CONVERSION KIT PART NUMBER	DOCTOR PRELOAD TOOL PART NUMBER	AXLE SPINDLE APPLICATION	NOTES
MER425731	MER415002	FE Steer	Spindle Adapter Conversion Kit to allow field interchange of the MER415002 Doctor Preload Tool to be compatible with FE Steer

Keep Your Trucks Up and Moving







Timken MileMate sets – the original matched wheel bearing sets – are designed to keep your trucks up and moving.

Benefits


- Accurately matched sets allow bearings to more evenly distribute loads, extending bearing life
- Supported by 1-year/unlimited mileage aftermarket parts warranty

SPECIFICATIONS			
	MILEMATE PART NO.	INDUSTRY NUMBER	APPLICATION
	SET401	580, 572	Industry Standard R Drive Axle Outer Bearing
	SET402	582, 572	Potential R Drive Axle Outer Bearing (Mack Special Radius)
	SET403	594A, 592A	Industry Standard R Drive Axle Inner Bearing
	SET404	598A, 592A	Potential R Drive Axle Inner Bearing (Mack Special Radius)
	SET405	663, 653	Trailer Axle Inner Bearing / Potential Rear (Drive or Trailer) Axle Outer Bearing
	SET406	3782, 3720	Industry Standard FF Steer Axle Outer Bearing
	SET407	28682, 28622	Rear Axle Inner Bearing / Front Steer Axle Outer Bearing
	SET408	39590, 39520	Industry Standard L Drive Axle Outer Bearing
	SET409	45280, 45220	Front Steer Axle Outer Bearing (Mack)


SPECIFICATIONS			
	MILEMATE PART NO.	INDUSTRY NUMBER	APPLICATION
	SET410	45284, 45220	Front Steer Axle Inner Bearing
	SET411	47686, 47620	Industry Standard L Drive Axle Inner Bearing
	SET412	HM212047, HM212011	Potential FF Steer Axle Inner Bearing / Potential N Trailer Axle Outer Bearing (Bore and Radius Change)
	SET413	HM212049, HM212011	Industry Standard FF Steer Axle Inner Bearing / Industry Standard N Trailer Axle Outer Bearing
	SET414	HM218248, HM218210	Industry Standard N Trailer Axle Inner Bearing
	SET415	HM518445, HM518410	Industry Standard P Trailer Axle Inner and Outer Bearing
	SET416	45291, 45220	Trailer Axle Bearing
	SET417	47890, 47820	Trailer Axle Bearing
	SET418	H715334, H715311	Front Steer Axle Inner Bearing
	SET419	H715343, H715311	Front Steer Axle Inner Bearing
	SET420	H715345, H715311	Front Steer Axle Inner Bearing

SPECIFICATIONS			
	MILEMATE PART NO.	INDUSTRY NUMBER	APPLICATION
	SET421	HM516449A, HM516410	Rear Axle Inner Bearing (Mack)
	SET422	HM516449C, HM516410	Rear Axle Inner Bearing (Mack)
	SET423	6461A, 6420	Industry Standard FL Steer Axle Inner Bearing
	SET424	555-S, 552A	Industry Standard FL Steer Axle Outer Bearing
	SET425	567, 563	Front Steer Axle Inner Bearing / Trailer Axle Inner Bearing / Rear Axle Outer Bearing (Mack)
	SET426	47679, 47620	Rear Axle Outer Bearing (Mack)



GREASE HUB CAP

	EUCLID NO.	BOLT CIRCLE DIA.	O.D.	I.D.	BOLT HOLE DIA.	NO. OF BOLT HOLES	COMMENTS
	E-975	5.50"	6.13"	4.50"	.31"	6	Use with E-03009 Gasket

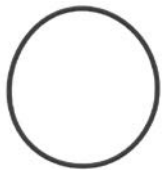
HUB CAP GASKET

	EUCLID NO.	BOLT CIRCLE DIA.	O.D.	I.D.	BOLT HOLE DIA.	NO. OF BOLT HOLES
	E-03009	5.50"	6.38"	4.42"	.31", .38"	3, 5, 6

HUB CAP FOR FRUEHAUF PRO-PAR® AXLE

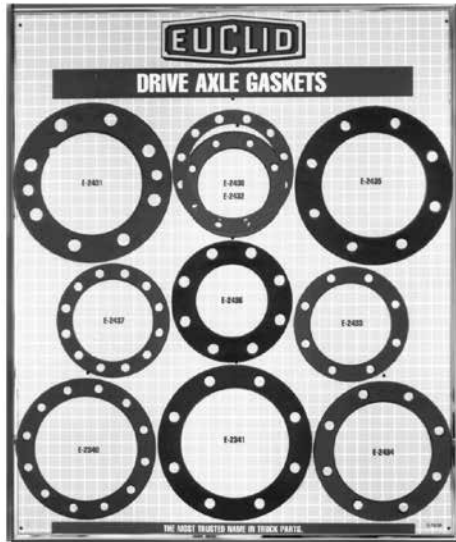
	EUCLID NO.	DESCRIPTION	THREAD SIZE	COMMENTS/REPLACES
	E-04975V	Vented Hub Cap	6.25"-8	For use with non-Fruehauf/Pro-Par® axles.
E-04975	Hub Cap Finished	6.25"-8	Fruehauf ACC-007538-900	
	E-04975H	Hub Cap	6.25"-8	Hub Cap includes O-Ring and Filler Plug. For use with Hubodometers.

HUB CAP O-RING

	EUCLID NO.	DESCRIPTION	O.D.	I.D.	COMMENTS/REPLACES
	E-05500	Hub Cap O-Ring	6"	5.50"	Fruehauf AXA-0484-1

HUB CAP PLUGS

	EUCLID NO.	DESCRIPTION	COMMENTS/REPLACES
	E-04000	Hub Cap Filler Plug	Fruehauf AXA-1005-1
	E-04000V	Vented Hub Cap Filler Plug	For use with non-Fruehauf/Pro-Par® axles.



E-7655

DRIVE AXLE GASKETS WITH FREE DISPLAY BOARD

Included with Display Board are 25 each of:

E-2340	E-2434
E-2341	E-2435
E-2431	E-2436
E-2432	E-2437
E-2433	E-2438

Display Board only E-7656

DRIVE AXLE FLANGE GASKETS



TYPE 1



TYPE 2



TYPE 3



TYPE 4

EUCLID NO.	TYPE	O.D.	I.D.	BOLT CIRCLE DIA.	BOLT SIZE	NO. OF BOLT HOLES
E-2432	2	5.56"	4.00"	4.75"	.44"	8
E-10237	2	6.00"	4.31"	5.13"	.50"	8
E-2437	3	6.06"	4.50"	5.25"	.56"	12
E-2433	2	6.13"	4.50"	5.28"	.50"	8
E-2436	2	6.44"	4.00"	5.50"	.63"	8
E-2438	3	6.50"	5.00"	5.69"	.44"	12
E-2434	2	7.38"	5.38"	6.38"	.56"	8
E-2340	3	7.44"	5.69"	6.56"	.50"	12
E-2341	2	8.25"	6.00"	7.00"	.63"	8
E-2435	2	8.38"	5.75"	7.00"	.63"	8
E-2431	1	8.50"	5.63"	7.00"	.75"	8
E-10238	4	8.50"	6.44"	7.44"	.69"	6

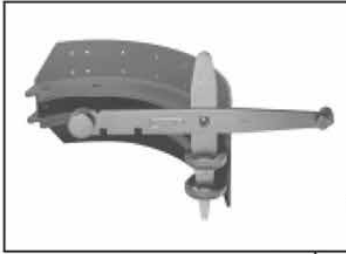
SECTION 7 — SERVICE TOOLS

Brake and
Wheel End

AIR BRAKE SERVICE TOOLS- - - - -	7-2
HYDRAULIC BRAKE SERVICE TOOLS - - - - -	7-4
ASSORTMENTS AND DISPLAY BOARDS - - - - -	7-5
TRUCK WHEEL BEARING LOCK-NUT WRENCH ASSORTMENTS - - - - -	7-6
WHEEL BEARING LOCK-NUT WRENCHES - - - - -	7-7
NEW STYLE EUCLID TUBULAR SPANNER WRENCHES WITH 3/4" DRIVE SQUARE OPENING - - - - -	7-7
WHEEL SERVICE TOOLS - - - - -	7-8
WRENCHES FOR TRUCK & TRAILER WHEELS - - - - -	7-10
SPECIAL TOOLS - - - - -	7-11
BROKEN CAP NUT AND STUD REMOVAL TOOL - - - - -	7-12
SUSPENSION SERVICE TOOLS- - - - -	7-13
FRONT END SERVICE TOOLS - - - - -	7-14
MISCELLANEOUS SERVICE TOOLS - - - - -	7-16

SERVICE TOOLS

UNIVERSAL BRAKE SHOE GAUGE



EUCLID E-3863A



ANCHOR PIN GAUGE

- Go/No-Go Gauge For all Meritor and Fruehauf Standard and Quick Change Shoes.

BRAKE SHOE IDENTIFICATION

- Helps determine if a brake shoe is made by Fruehauf or Meritor.



WEB ALIGNMENT GAUGE

- Checks straightness of shoe web. (Except Eaton Shoes.)

E-3863A TOOL

Can also be used to check the stretch of Wedge Brake Shoes. For detailed information, see instruction sheet included with each tool.



STRETCH GAUGE

- Checks stretch of all 16 1/2" Eaton, Fruehauf, and Meritor Shoes.

BRAKE SHOE ANCHOR PIN PRESS





EUCLID NO.	GENERAL INFORMATION
E-2654	A heavy-duty press that easily removes rusted and corroded brake shoe anchor pins without damage to the brake shoe spider. Removes pins up to 1-1/4" diameter. Use with E-6064 set to remove or install Ball Joints. Also used to remove Brake Shoe Anchor Pins and U-Joints.

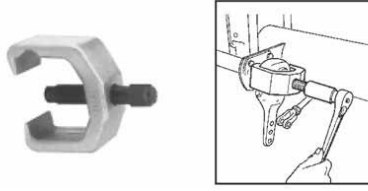
HEAVY-DUTY TRUCK BRAKE SPRING PLIER





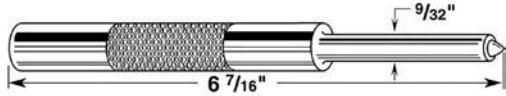
EUCLID NO.	GENERAL INFORMATION
E-2656	For Wedge Brakes. This heavy-duty truck brake spring plier provides the extra leverage and strength needed for servicing brake springs. Its 26-1/4" length gives the leverage to do the job.


SERVICE TOOLS

HEAVY-DUTY BRAKE DRUM GAUGE KIT			
	EUCLID NO.	DESCRIPTION	GENERAL INFORMATION
	E-9136	Heavy-Duty Brake Drum Gauge Kit	<p>To quickly and easily measure scored, worn or heat-checked brake drums. Includes: Heavy-Duty Brake Drum Gauge, Gauge Calibration Tool, Euclid red hard plastic shell with padded interior to protect the Brake Drum Gauge.</p> <p>Measures any brake drum from 12" to 18" diameter in 1/4" increments. Both end tips of gauge are made with hardened steel balls inserted at contact points for accuracy and service. Easy-to-adjust slide bar shows exact drum diameter to be checked.</p>
	E-9139	Brake Lining/Block Thickness Gauge	<p>Simplifies checking standard and oversized brake lining. Readings can be recorded in either percentages or linear measure.</p>

SLACK ADJUSTER PULLERS			
	EUCLID NO.	SLACK TYPE	GENERAL INFORMATION
	E-9319	Manual	<p>Eases the job of removing frozen slack adjusters. Available for Manual and Automatic Slack Adjusters. Slack Pullers have only one moving part and require only a wrench to use them. There are only four simple steps to follow to use the tools:</p> <ol style="list-style-type: none"> 1. Remove the grease fittings from the slack adjuster. 2. Slide the puller onto the slack adjuster body. 3. Turn the bolt on the puller. The bolt is self-aligning for quick positioning. 4. Catch the slack adjuster as it comes off the camshaft.
	E-9320	Automatic	

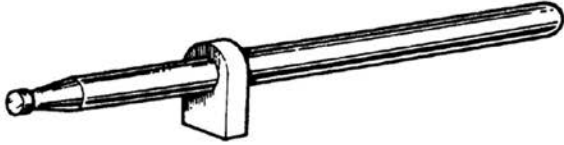
CLEVIS PIN PRESS		EUCLID NO.	GENERAL INFORMATION
		E-3379	<p>10,000 lb. capacity press shears cotter pin and pushes out</p>

ROLL PIN PUNCH TOOL		EUCLID NO.	GENERAL INFORMATION
		E-2098	<p>Designed to remove E-626 Roll Pins. The smaller end will pilot in the roll pin and prevent punch from slipping.</p>

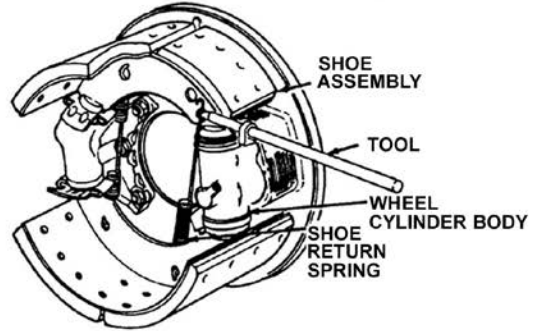
BUSHING REMOVAL AND INSTALLATION TOOL		EUCLID NO.	GENERAL INFORMATION
		E-1362	Use to remove or install 1-1/4" I.D. press-in anchor pin bushings.
		E-1250	Use to remove or install 1-1/2" I.D. press-in type camshaft bushings.
		E-2739	Use to remove or install 1-5/8" I.D. press-in type camshaft bushings.

RETURN SPRING REMOVAL TOOL FOR LUCAS BRAKE

**BRAKE SHOE RETURN SPRING
REMOVAL TOOL for LUCAS BRAKE**



**BRAKE SHOE RETURN SPRING
REMOVAL PROCEDURE**



EUCLID NO.

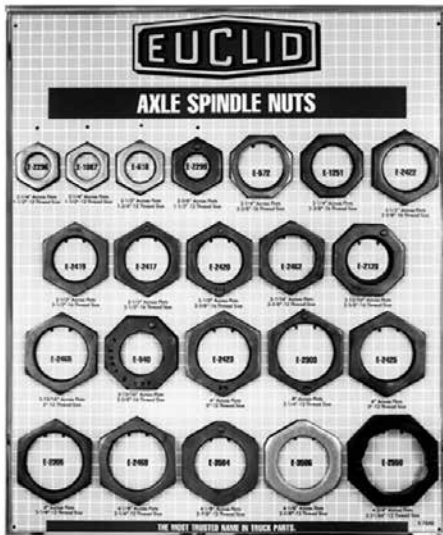
GENERAL INFORMATION

E-6061

1. Insert the end of the bar into the loop on one of the shoe return springs.
2. Using the wheel cylinder body as a fulcrum, unhook the spring from the shoe web.
3. Support the lower shoe, unhook the second spring, and remove the shoes.

NOTE: The shoe return spring is hooked on the backside of the shoe web. Be careful not to damage the manual adjustment wheel or the rubber dust boot.

SERVICE TOOLS

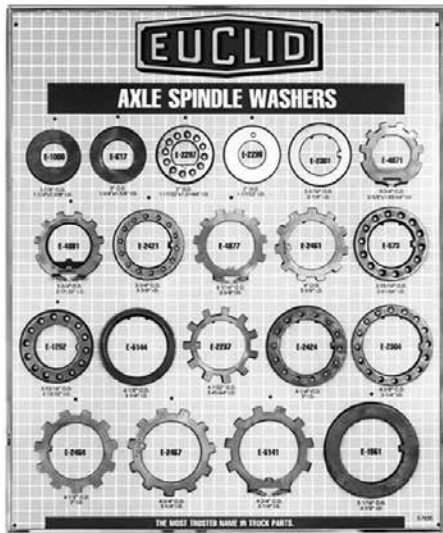


SPINDLE NUT ASSORTMENT

E-7647
SPINDLE NUTS WITH FREE DISPLAY BOARD
Features Euclid's most popular Spindle Nuts for medium & heavy-duty trucks.
Included with Display Board are two each of:

EUCLID NO.	OPENING SIZE	EUCLID NO.	OPENING SIZE	EUCLID NO.	OPENING SIZE
E-540	Inner Nut	E-2303	Inner Nut	E-2462	Outer Nut
E-572	Outer Nut	E-2305	Outer Nut	E-2465	Outer Nut
E-618	Nut	E-2417	Inner Nut	E-2468	Outer Nut
E-1087	Nut	E-2419	Outer Nut	E-2550	Nut
E-1251	Outer Nut	E-2420	Inner Nut	E-3504	Inner Nut
E-2128	Service Nut	E-2422	Outer Nut	E-3506	Outer Nut
E-2296	Outer Nut	E-2423	Inner Nut		
E-2299	Inner Nut	E-2425	Outer Nut		

Display Board only E-7648

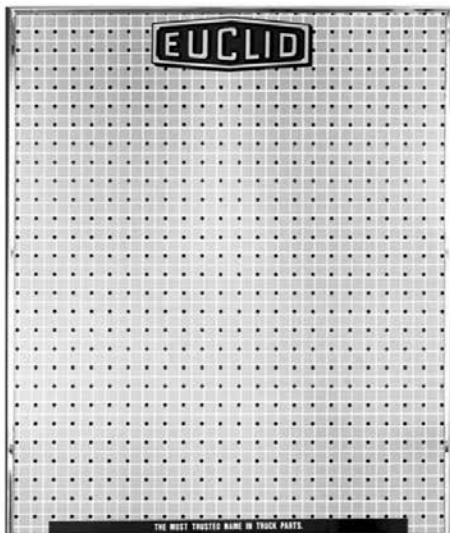


SPINDLE WASHER ASSORTMENT

E-7649
SPINDLE WASHER WITH FREE DISPLAY BOARD
Features Euclid's most popular Spindle Washers for medium & heavy-duty trucks
Included with Display Board:

QTY.	EUCLID NO.	DESCRIPTION	QTY.	EUCLID NO.	DESCRIPTION
2	E-573	Lockwasher	2	E-2421	Lockwasher
12	E-617	Lockwasher	12	E-2424	Lockwasher
12	E-1000	Lockwasher	12	E-2461	Lockwasher
2	E-1252	Lockwasher	2	E-2464	Lockwasher
2	E-1561	Spindle Washer	2	E-2467	Lockwasher
12	E-2237	Lockwasher	12	E-4871	Lockwasher
2	E-2297	Lockwasher	2	E-4877	Lockwasher
2	E-2298	Spindle Washer	2	E-4881	Lockwasher
2	E-2301	Lockwasher	2	E-6141	Lockwasher
2	E-2304	Lockwasher	2	E-6144	Tab Washer

Display Board only E-7654



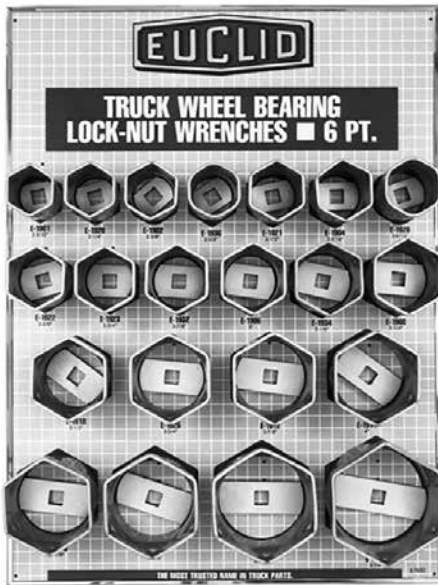
UNIVERSAL DISPLAY BOARD

E-7657
This Euclid Display Board provides the flexibility to feature specific promotional products, monthly specials, or new products. An assortment of hangers and hooks and two plan-o-grams are included to illustrate how the board may be used.

All boards are 24" Wide x 32" High

SERVICE TOOLS

TRUCK WHEEL BEARING LOCK-NUT WRENCH ASSORTMENTS



6 PT. WRENCH ASSORTMENT

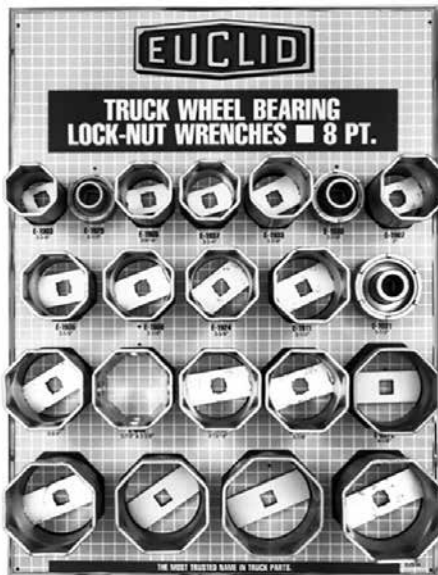
E-7651

WHEEL BEARING LOCK-NUT WRENCHES WITH FREE DISPLAY BOARD
Included with Display Board are one each of the 21 Wrenches listed:

EUCLID	OPENING	EUCLID	OPENING	EUCLID	OPENING
E-1901	2-3/32"	E-1922	2-5/8"	E-1926	3-3/4"
E-1920	2-1/4"	E-1923	2-3/4"	E-1912	3-7/8"
E-1902	2-3/8"	E-1932	2-7/8"	E-1914	4"
E-1936 (1)	2-3/8"	E-1906	3"	E-1915	4-1/8"
E-1921	2-1/2"	E-1934	3-1/8"	E-1916	4-3/8"
E-1904	2-9/16"	E-1908	3-1/4"	E-1918	4-7/8"
E-1928 (1)	2-9/16"	E-1910	3-1/2"	E-3371	5-1/4"

Display Board only **E-7652**

(1) Fits special "rounded" hex nuts found on Dana Axles of some Ford Trucks.



8 PT. WRENCH ASSORTMENT

E-7653

WHEEL BEARING LOCK-NUT WRENCHES WITH FREE DISPLAY BOARD
Included with Display Board are one each of the 20 Wrenches listed:

EUCLID	OPENING	EUCLID	OPENING	EUCLID	OPENING
E-1903	2-3/8"	E-1935	3-1/8"	E-1913	3-7/8"
E-1929 (2)	2-1/2"	E-1909	3-1/4"	E-3372	4-1/8"
E-1937	2-3/4"	E-1924	3-3/8"	E-1917	4-3/8"
E-1905	2-9/16"	E-1911	3-1/2"	E-6137	4-1/2"
E-1933	2-7/8"	E-1931 (2)	3-1/2"	E-1597A	4-13/16"
E-1930 (2)	2-7/8"	E-1925	3-3/4"	E-1919	4-7/8"
E-1907	3"	E-1927	3-13/16"		

Display Board only **E-7654**

(2) Tubular Spanner Wrenches

All boards are
24" Wide x 32" High

WHEEL BEARING LOCK-NUT WRENCHES

Brake and Wheel End

Euclid wrenches have a 3/4" drive square opening for use with an extension and torque wrench to tighten the Lock-Nut as required. A longer extension can be used for wide rims. Wrenches are made of high strength and heavy-duty gauge steel. Resists rounding out.

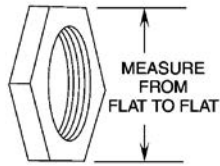
Listed by Opening Size

EUCLID NO.	OPENING SIZE	EUCLID NO.	OPENING SIZE
E-1901	2-3/32" (6 pt.)	E-1909	3-1/4" (8 pt.)
E-1920	2-1/4" (6 pt.)	E-1924	3-3/8" (8 pt.)
E-1902	2-3/8" (6 pt.)	E-1910	3-1/2" (6 pt.)
E-1936	2-3/8" (6 pt.)	E-1911	3-1/2" (8 pt.)
E-1903	2-3/8" (8 pt.)	E-1926	3-3/4" (6 pt.)
E-1921	2-1/2" (6 pt.)	E-1925	3-3/4" (8 pt.)
E-1904	2-9/16" (6 pt.)	E-1927	3-13/16" (8 pt.)
E-1928	2-9/16" (6 pt.)	E-1912	3-7/8" (6 pt.)
E-1905	2-9/16" (8 pt.)	E-1913	3-7/8" (8 pt.)
E-1922	2-5/8" (6 pt.)	E-1914	4" (6 pt.)
E-1923	2-3/4" (6 pt.)	E-1915	4-1/8" (6 pt.)
E-1937	2-3/4" (8 pt.)	E-3372	4-1/8" (8 pt.)
E-1932	2-7/8" (6 pt.)	E-1916	4-3/8" (6 pt.)
E-1933	2-7/8" (8 pt.)	E-1917	4-3/8" (8 pt.)
E-1906	3" (6 pt.)	E-6137	4-1/2" (8 pt.)
E-1907	3" (8 pt.)	E-1597A	4-13/16" (8 pt.)
E-1934	3-1/8" (6 pt.)	E-1918	4-7/8" (6 pt.)
E-1935	3-1/8" (8 pt.)	E-1919	4-7/8" (8 pt.)
E-1908	3-1/4" (6 pt.)	E-3371	5-1/4" (6 pt.)



HOW TO DETERMINE THE WRENCH SIZE YOU NEED.....

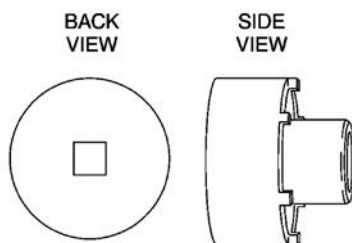
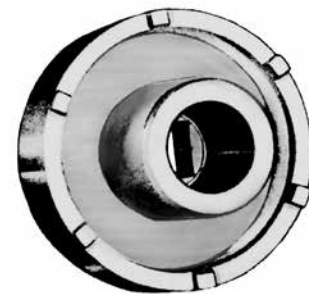
Using a caliper or other suitable measuring device, determine the size of the Lock-Nut. Consult the chart at right to select the Lock-Nut wrench of corresponding size.



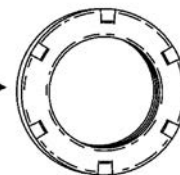
NEW STYLE EUCLID TUBULAR SPANNER WRENCHES WITH 3/4" DRIVE SQUARE OPENING

May be used with Torque Wrench for use on Chevrolet Truck Axles

EUCLID NO.	APPLICATION	USED WITH NUT SIZE & PART NO.
E-1929 2	1946 thru current Chevrolet 5,200 & 7,200 lb. Axles	2"-16 THD. GM 3663657
E-1930 2	1954 thru current Chevrolet 11,000 & 13,500 lb. Axles	2-1/8"-16 THD. GM 473636
E-1931	1954 thru current Chevrolet 15,000 lb. Axles 1965 thru current Chevrolet 15,000 trailing Axle 1966 thru current Chevrolet 17,000 lb. 2-speed Axle	2-1/2"-16 THD. GM 3703711



EUCLID TUBULAR SPANNER WRENCHES USED WITH THIS STYLE NUT.



SERVICE TOOLS

WHEEL BEARING LOCK-NUT WRENCHES

EUCLID E-1597A

HEAVY-DUTY SPINDLE NUT WRENCH

For Fruehauf "Pro-Par" Spindle Nuts and Hub Caps

New design is made of high strength heavy 5/32" gauge steel to resist rounding out, splitting and twisting.

8 point, 4-13/16" across flats, 2-7/8" deep. 3/4" square drive opening allows for the use of a torque wrench and extensions.

Replaces: Fruehauf ACC-005963-900



ONE WRENCH USED FOR BOTH

E-04075
HUB CAP



E-2550
SPINDLE NUT

AXLE SPINDLE SERVICE TOOLS

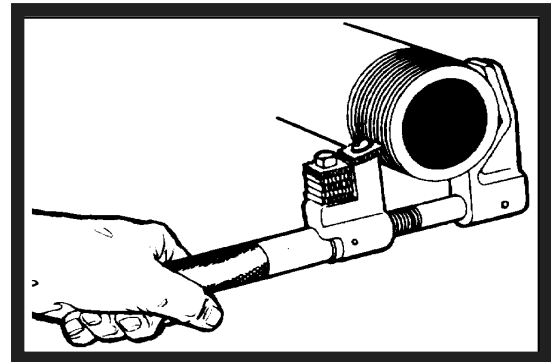
UNIVERSAL OUTSIDE THREAD CHASER



EUCLID E-2644

Restores threads to their original condition. Eliminates the need for expensive thread cutting equipment. OPERATION: Tighten the tool slightly on the good threads, then back off over the damaged thread area to restore the threads. The aluminum alloy V Pad will not damage the threads. Capacity from 1-1/4" to 5" O.D.

Complete with 6 dies - Threads per inch 4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, and 24.



BRAKE DRUM DOLLY

ALLOWS ONE PERSON TO EASILY REMOVE, TRANSPORT AND REPLACE TRACTOR/TRAILER BRAKE DRUMS.



EUCLID E-9436

For Class 7 and 8 tractor/trailer brakes
Handles 15" and 16-1/2" drums
5" height adjustment
37" to 55" telescoping handle
Ball bearing wheels
Pneumatic tires
Rugged steel construction
Replaces: OTC No. 5017

FOR USE WITH 1" DRIVE AIR IMPACT WRENCH ONLY

FOR USE WITH 1" DRIVE AIR IMPACT WRENCH ONLY

AccuTorq Truck Torque Wrenches
 Designed to Help Prevent Overtightening Wheel Nuts

- * For use with 1" air impact wrenches
- * For 1 1/4" to 1 1/2" hex truck wheel nuts
- * For 13/16" square head inner cap nuts
- * Covers a torque of 475 ft. lbs.

How Does AccuTorq Work? When the wheel nut is tightened to the maximum torque indicated on the AccuTorq wrench, the socket stops moving forward. Strobe marks on the socket end of the wrench visually indicate when the socket has stopped turning. This is possible because the shaft of the AccuTorq wrench acts as a torsion bar and starts to wind when the impact wrench tries to overtighten the wheel nut. When the hammer inside the impact wrench rotates for the next impact, the AccuTorq shaft unwinds. As a result, the socket end of the AccuTorq wrench stops turning while the drive end advances, then retreats with each impact of the impact wrench. The wheel nut is not tightened any further.

AccuTorq wrenches must be used with the impact wrench size indicated in order to assure proper accuracy. Use of extensions or reducers will reduce accuracy of AccuTorq wrenches. Do not hold the AccuTorq wrench's shaft while in use, or the effect of the tool will be dampened. AccuTorq wrenches are accurate to plus or minus 15% of the stated maximum torque limit.



**Buy 3 of the most popular Truck AccuTorq®
 Drives and get the Rack
 FREE from EUCLID.**

**EUCLID PART NO. CONTAINS ONE EACH
 E-11051**

E-3909 Brown	1" Drive-33mm Hex	475 Ft. Lbs.
E-3910 Black	1" Drive-1-1/2" Hex	475 Ft. Lbs.
E-3911 Yellow	1" Drive-13/16" Square	475 Ft. Lbs.

	EUCLID NO.	COLOR	SOCKET SIZE	MAXIMUM TORQUE LIMIT
	E-3910	Black	1-1/2" Hex	475 ft. lbs.
	E-11003	Red	1-1/4" Hex	250 ft. lbs.
	E-3909	Brown	1-5/16" Hex	475 ft. lbs.
	E-3911	Yellow	13/16" Square (for Inner Cap Nuts)	475 ft. lbs.

NOTE: Will work for both left and right hand thread.

AXLE STUD CONE PLIER



EUCLID NO.	APPLICATION
E-2655	A specially designed cone plier to give the leverage needed to expand and remove the tapered cone from rear axle studs without damaging the stud threads. Expands tapered cone to speed axle disassembly on medium-size and heavy-duty truck axles.

WRENCHES FOR TRUCK & TRAILER WHEELS

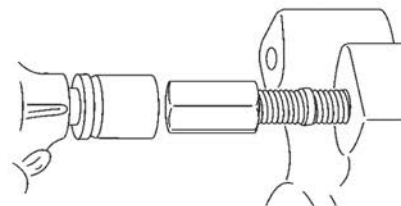
MADE FROM FORGED CHROME NICKEL ALLOY STEEL - ALL WRENCHES 16" LONG

	EUCLID NO.	DESCRIPTION	APPLICATION
	E-5850	Universal Wrench for Disc Wheels	1-1/2" Hex and 13/16" Sq. for Budd, Chevrolet, GMC, Motor Wheel, Inner and Outer Nuts. 1-1/8" Hex for GMC and Chevrolet Flanged Nuts.
	E-5851	Chevrolet Dual Wheels	1" and 1-1/4" Hex with 5/8" Sq. Sockets.
	E-5854	Hex Handle for Wrenches	3/4" Hex x 22" Long fits all of the above wrenches, 3/4" hex x 22" long. Fits all of the above wrenches.
	E-5855	Disc Outer Nut Wrench	1-1/2" Hex - Holds outer nut while turning inner nut.
	E-5856	Dayton - Guinite - Erie - Webb Spoke Wheels	1-1/16" and 1-1/4" Hex for 5/8"-11 and 3/4"-10 Nuts.
	E-6038	Hub-Piloted Wheels	24 mm and 33 mm Hex for Metric Wheel Nuts.

STUD SETTER FOR INSTALLING SPOKE WHEEL STUDS

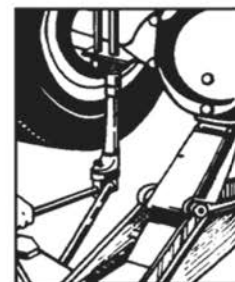
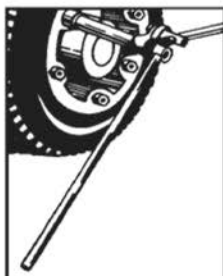
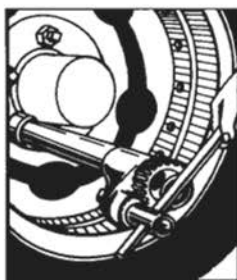


EUCLID NO.	FOR STUD SIZE	THREAD
E-5833	5/8"	USS
E-5834	3/4"	COARSE



The only other tool needed is an impact wrench with 1-1/8" and 1-1/4" sockets or 4-way wrench.

GEAR TYPE POWER DRIVE WRENCH FOR USE ON ALL TRUCK AND ROAD EQUIPMENT



3 to 1 POWER RATIO

For Budd inner & outer nuts and other type wheel nuts, u-bolts, head bolts, etc.

For complete wrench assembly as shown, order

EUCLID E-5857

Includes:

- 1 Power Drive
- 1 20" Bar
- 1 36" Tube Handle
- 1 3/4" Service Adapter
- 1 13/16" Adapter for Square Budd Nut



ADAPTER EUCLID E-5859

1-1/2" hex to 13/16" square for Budd inner nuts

SERVICE TOOLS

BROKEN CAP NUT AND STUD REMOVAL TOOL

3 TOOLS FOR THE PRICE OF 1!

One tool kit replaces three tools for the same cost as one tool.

ECONOMICAL VALUE

Eliminates the need to buy an entire new tool when teeth wear. Replace ONLY the rib nut at a fraction of the cost of other removal tools.

EUCLID KIT E-5205

EUCLID NO.	DESCRIPTION	INCLUDES
E-5205	Broken Stud and Cap Nut Removal Kit	1 E-5206 1-1/8" Rib Nut 1 E-5207 3/4" Rib Nut 1 E-5208 5/8" Rib Nut 1 E-5209 Drive-On Tool



EUCLID NO.	DESCRIPTION	APPLICATION
E-5206	1-1/8" Replacement Rib Nut	For removing broken 1-1/8" Inner Cap Nuts
E-5207	3/4" Replacement Rib Nut	For removing broken 3/4" Wheel Studs
E-5208	5/8" Replacement Rib Nut	For removing broken 5/8" Wheel Studs

Note: Use hammer to drive on tool.

WARRANTY

The teeth of the rib nuts will wear out after limited use. Therefore, rib nuts are not covered under Euclid's Warranty Policy.

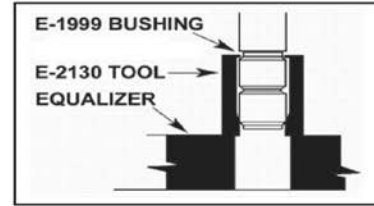
SERVICE TOOLS

TOOL FOR INSTALLING HUTCHENS, TRAILMOBILE AND TRANSPRO EQUALIZER BUSHINGS

EUCLID E-2130



3-3/4" O.D. x 3-3/8" I.D. x 3-1/2" Long



Tool automatically centers bushing for perfect alignment and ease of installation. Use to uninstall E-1999A, E-3394A, and E-4827 Bushings.

TORQUE ARM BUSHING INSTALLATION TOOL

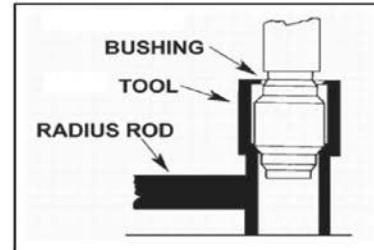


EUCLID E-1600

For Hutchens
Torque Arms

Use to install E-934
Bushing in original
equipment Hutchens
Torque Arms

2-1/2" O.D. x 1-5/16" I.D. x 2-1/2" Long



EUCLID E-2652 For Euclid Torque Arms

Tool for installing E-934, E-1980, and E-1061 Torque Arm Bushings in Euclid Torque Arms. Tapered Counter Bore automatically centers bushing for perfect alignment and compression.

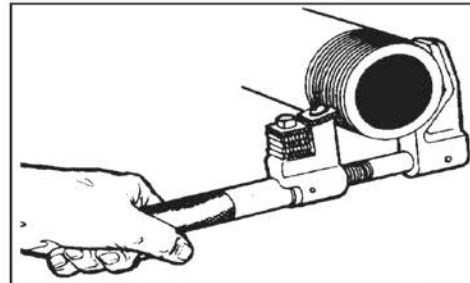
UNIVERSAL OUTSIDE THREAD CHASER



EUCLID E-2644

Restores threads to their original condition. Eliminates the need for expensive thread cutting equipment. OPERATION: Tighten the tool slightly on the good threads, then back off over the damaged thread area to restore the threads. The aluminum alloy V Pad will not damage the threads. Capacity from 1-1/4" to 5" O.D.

Complete with 6 dies - Threads per inch 4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, and 24.



BEAM END BUSHING INSTALLATION TOOL



EUCLID E-9575

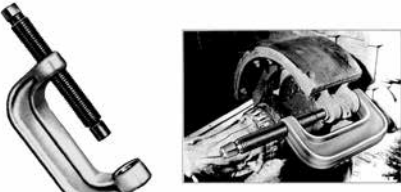

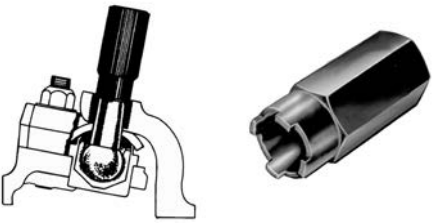



Replaces Hendrickson S-21307

For installing Tri-Functional Bushings used in Hendrickson T, HT, Intraax, and HLM Suspensions with an impact wrench.

Does not include bushing.






FRONT END SERVICE TOOLS

SERVICE TOOLS

	EUCLID NO.	DESCRIPTION	APPLICATION
	E-2654	Ball Joint and Anchor Pin Press	A heavy-duty press that easily removes rusted and corroded brake shoe anchor pins without damage to the brake shoe spider. Removes pins up to 1-1/4" diameter. Use with E-6064 set to remove or install Ball Joints. Also used to remove Brake Shoe Anchor Pins and U-Joints.
	E-6064	Ball Joint Service Set	Includes: 3" x 3-3/4" I.D. Receiver Tube; 2-1/2" O.D. x 2-1/4" I.D. Receiver Tube; 2" O.D. x 1-3/4" I.D. Receiver Tube; Installation Adapter; Removal Adapter. Requires use of an E-2654 Ball Joint Press.
	E-6065	Ball Joint Spanner Wrench	For removal and installation of Ball Joint Adjusting Sleeves on 1/2, 3/4 and 1-Ton Dana open yoke front axles used on Ford, GMC, Navistar and Jeep 4WD vehicles. Allows torquing with 1" socket for proper upper Ball Joint preload.
 <p>15/16" Fork Spread, 16" Long</p>	E-6066	Ball Joint Separator	Ball Joint Separator is designed solely to remove Ball Joints from spindle support arms without damaging other components.
 <p>1 7/16" Fork Spread, 11 5/8" Long</p>	E-6067	Multi-Purpose Separator	This tool can be used to remove camber adjustment sleeves on Ford 4 x 2 and 4 x 4 light trucks where the camber is adjustable. It can also be used as a Pitman Arm wedge for Light-Duty Trucks as well as a Tie Rod Separator for Medium and Heavy-Duty Trucks.
	E-6068	Pitman Arm Puller	Pitman Arm Pullers are designed to handle the toughest Pitman Arm pulling job. Pullers are adjustable and have special forged jaws shaped to fit the job. "Pullers have two clamp bolts that lock jaws on the Pitman Arm for pulling, assuring positive grip and leaving hands free for the pulling job." Light-Duty Trucks - 1 Ton only

FRONT END SERVICE TOOLS

Brake and
Wheel End


	EUCLID NO.	DESCRIPTION	APPLICATION
 <p>1 1/8" Fork Spread, 11" Long</p>	E-6070	Pitman Arm Wedge	Removes Pitman Arms on Light-Duty Trucks. Wedge end is placed between parts and a few hammer blows separate them.
 <p>1 1/16" Fork Spread, 11" Long</p>	E-6071	Shock Absorber Link and Tie Rod End Separator	Separates Shock Absorber Links and Tie Rod Ends.
	E-6072	Tie Rod Adjusting Tool	For Light-Duty Trucks with 1-1/8" diameter adjusting sleeves. Allows 360 degree rotation of the adjusting sleeve where space is limited. 1/2" square drive for ratchet or breaker bar.
	E-6073	Control Arm Bushing Service Set	Removes worn Upper Control Arm Bushings and installs new ones without damage to the control arm. Includes C-Frame Press and all adaptors and inserts necessary to do the job correctly.
	E-6074	Dial Indicator Set	Use to gauge suspension looseness. Has a 2-1/4" diameter dial face graduated to .001 inch, a flexible arm to get at hard-to-reach areas and an on/off magnetic base.

SERVICE TOOLS


WHEEL BEARING ENDPLAY GAUGE

	EUCLID NO.	APPLICATION
	E-9793	<p>Quick and Accurate:</p> <ol style="list-style-type: none"> 1. Remove magnet keepers and attach to face of trailer hub with indicator contacting end of the spindle. 2. Zero dial by rotating the dial face. 3. Rock the hub and drum to determine bearing endplay. 4. Adjust bearing endplay and recheck.


U-JOINT PULLER

	EUCLID NO.	APPLICATION
	E-6039	<p>Works on most Dana Spicer and Meritor U-joints. Designed for use with a 1/2" air impact wrench. Can be used at different angles and in tight places. Holes in the puller legs store bolts.</p> <p>Bolts included are: (2) 5/16"-24 x 1-1/2"; (2) 3/8"-24 x 1-1/2"; (2) 7/16 in-20 x 1-1/2"; (2) M8 x 1.25mm x 35mm</p>


UNIVERSAL BEARING CUP INSTALLER


	EUCLID NO.	APPLICATION
	E-6040	<p>Designed for installing wheel bearing cups of tractor and trailer wheels from 11,000 to 50,000 lbs. capacity. Adjust from 3-5/8" to 6-1/2" dia. bearing cup.</p> <p>To Use:</p> <ol style="list-style-type: none"> 1. Adjust and lock the jaws to the cup I.D. 2. Slip on new cup and put it in place in the wheel.

DUAL WHEEL PULLER

	EUCLID NO.	CAPACITY	CASTER INFO.	FLOOR SPACE	LIFT TRAVEL	TILT ADJUSTMENT	APPLICATION
	E-9433	1,500 lbs.	3-1/2" Swivel	45" x 41"	4-3/4"	4 Degrees	<p>Allows one person to easily remove, transport and replace dual wheel and tire assemblies. 6 ft. chain and hydraulic jacking mechanism with handle included. Replaces OTC No. 1770A</p>

SERVICE TOOLS

CLUTCH HANDLER				
	EUCLID NO.	LIFTING RANGE	CLUTCH SIZE	APPLICATION
	E-9434	9" to 37"	15-1/2"	<p>Allows one person to easily remove, transport and replace clutch disc plate or flywheel (with attachment).</p> <p>Parallel lift path allows precise alignment, 4 swivel casters and 2" spline shaft aid alignment. Integral hydraulic jacking mechanism. Use of E-9435 flywheel attachment permits removal of flywheels (including pot type).</p> <p>Replaces OTC No. 5015</p>

CLUTCH ADJUSTING WRENCH			EUCLID NO.	APPLICATION
	E-6041	<p>For Spicer heavy-duty clutches. Designed for internal adjustment of angle spring and multiple-lever clutches.</p>		

SERVICE TOOLS


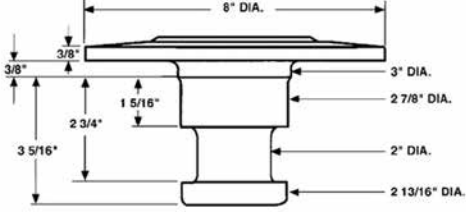

SECTION 8 — MISCELLANEOUS PARTS

Brake and
Wheel End



E-700 TRAILER KING PIN-	8-2
FIFTH WHEEL PARTS-	8-2
JUNCTION BOX	8-3
PLACARD HOLDER	8-3
REBUILD KITS FOR HORTON FAN CLUTCHES	8-4

MISCELLANEOUS PARTS

E-700 TRAILER KING PIN

	EUCLID NO.	FLANGE DIAMETER	GENERAL INFORMATION
 	E-700	8"	Various applications with Weld-On King Pins. For 3/8" thick plate.
	E-702A		King pin lock


FIFTH WHEEL PARTS

	EUCLID NO.	MATERIAL	O.D.	I.D.	LENGTH	DESCRIPTION
	E-7450	Polyurethane	2-1/4"	1-1/8"	4-1/4"	Fifth Wheel Bushing
	E-8927	Polyurethane	2-1/4"	1-7/16"	4-1/4"	Fifth Wheel Bushing
	E-8652	Polyurethane	2-1/2"	1-1/2"	4-1/4"	Fifth Wheel Bushing
	E-7451	Polyurethane	2-3/4"	1-1/8"	4-1/4"	Fifth Wheel Bushing

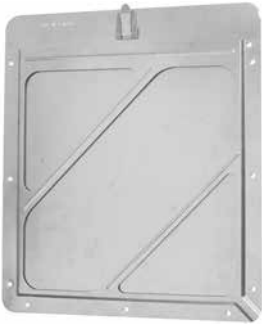
MISCELLANEOUS PARTS

JUNCTION BOX

Brake and
Wheel End

	EUCLID NO.	DESCRIPTION	REMARKS
	E-10158	Universal 7-Terminal Junction Box	<p>Precision molded cover and body. Five possible slot openings. Five each open and closed grommets. Molded terminal block.</p>

PLACARD HOLDER

	EUCLID NO.	DESCRIPTION	REMARKS
	E-9868	Placard Holder - Aluminum	<p>Constructed from corrosion resistant, die-stamped aluminum. Pre-punched holes for riveting to trailer walls. Stainless steel snap fastener holds placard securely in place. Sized for 10-3/4" x 10-3/4" slide-in placards.</p>

MISCELLANEOUS PARTS

REBUILD KITS FOR HORTON FAN CLUTCHES



E-824106



9 1/2"



7 1/2"



E-824100

EUCLID NO.	CLUTCH DIAMETER	DESCRIPTION	REPLACES HORTON	CLUTCH MODELS
E-824103	7-1/2"	Upgrade Kit (less hub and friction disc)	None	590XXX, 790XXX, 980XXX, 990XXX
E-824104		With assembled hub and friction disc	994307	
E-824105	9-1/2"	With assembled hub	994315	591XXX, 791XXX, 981XXX, 991XXX
E-824106		With assembled hub and friction disc	994305	
E-824102	All	Seal Kit	994205	

Features



Angular Contact Bearing

The angular contact bearing is precision ground and designed to carry both radial and axial loads for the fan blade weight and thrust. All angular contact bearings are packed in a high temperature synthetic grease for maximum bearing life.



Air Plunger Valve

The air plunger valve is impregnated with graphite carbon for self lubrication and maximum heat. The mating metal air seal is machine ground to tolerances that virtually eliminate air leaks.



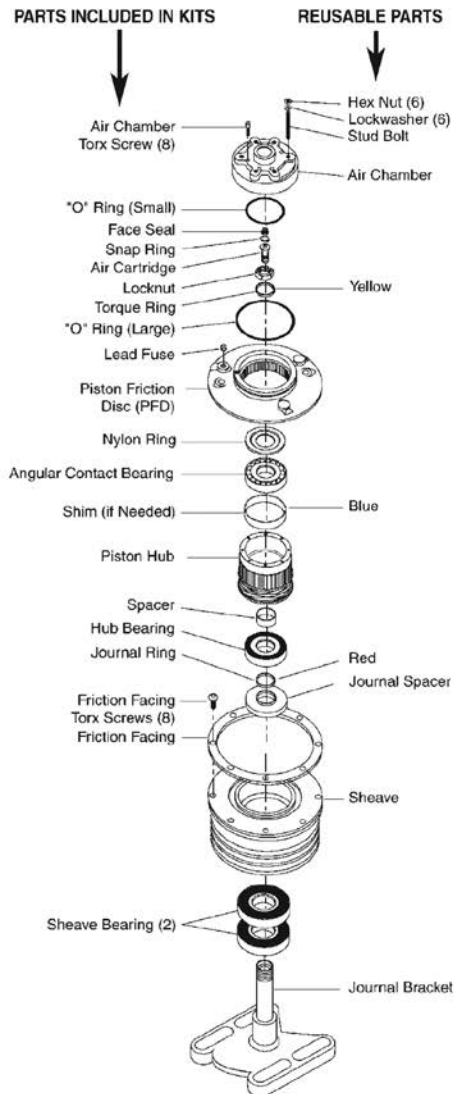
Non-asbestos Friction Linings

Non-asbestos friction linings are manufactured for high heat and maximum fan blade horsepower to maintain optimum cooling. With proper air pressure, the linings have virtually no slipping or glazing.



Precision Cut Spacers

Precision cut spacers extend the life of the fan clutch and reduce breakdown and maintenance by reestablishing OE tolerances within the fan clutch.



MISCELLANEOUS PARTS

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
389927	Alcoa	E-10234
5554L	Alcoa	E-5554-L
5554R	Alcoa	E-5554-R
5552L	Alcoa	E-5977-L
5977L	Alcoa	E-5977-L
5552R	Alcoa	E-5977-R
5977R	Alcoa	E-5977-R
5978L	Alcoa	E-5978-L
5978R	Alcoa	E-5978-R
5988L	Alcoa	E-5988-L
5548R	Alcoa	E-5988-R
5988R	Alcoa	E-5988-R
5995L	Alcoa	E-5995-L
5995R	Alcoa	E-5995-R
5996L	Alcoa	E-5996-L
5996R	Alcoa	E-5996-R
5549L	Alcoa	E-7895-L
5549R	Alcoa	E-7895-R
5735L	Alcoa	E-7896-L
5735R	Alcoa	E-7896-R
5575L	Alcoa	E-7898-L
5575R	Alcoa	E-7898-R
39691	Alcoa	E-9020
39949	Alcoa	E-9020
09SD	Anchorlok	E-09SD300R
09SD300R	Anchorlok	E-09SD300R
900005	Anchorlok	E-09SD300R
24L-1250-0925	Anchorlok	E-11983
24-1250-0940	Anchorlok	E-11983
30-1250-0925	Anchorlok	E-11984
3096038	Anchorlok	E-11984
30-1250-0925-4	Anchorlok	E-11985
30125009504	Anchorlok	E-11985
3012509254	Anchorlok	E-11985
3096062	Anchorlok	E-11985
36-1250-0875	Anchorlok	E-11986
3696017	Anchorlok	E-11986
11M011	Anchorlok	E-11988
9999036	Anchorlok	E-11988
11M061	Anchorlok	E-11989
9999087	Anchorlok	E-11989
11M062	Anchorlok	E-11990
9999089	Anchorlok	E-11990
11M112	Anchorlok	E-11991
11M112-A	Anchorlok	E-11991
9999116	Anchorlok	E-11991
1127M005-CA	Anchorlok	E-11992

PART NO.	COMPETITOR	EUCLID NO.
246004	Anchorlok	E-11992
2464004	Anchorlok	E-11992
1212SB	Anchorlok	E-1212SB300R
1212SB300R	Anchorlok	E-1212SB300R
1216SB300R	Anchorlok	E-1216SB300R
1216SB	Anchorlok	E-1216SB300R
1216SB300R	Anchorlok	E-1216SB300R
1216007	Anchorlok	E-1216SB300R
1128M011	Anchorlok	E-12743
3699001	Anchorlok	E-12743
9999048	Anchorlok	E-12S
12SD	Anchorlok	E-12SD300R
12SD300R	Anchorlok	E-12SD300R
B20S	Anchorlok	E-20S
52000001	Anchorlok	E-20S
11M051	Anchorlok	E-2144
11M052	Anchorlok	E-2144
3/8/2016	Anchorlok	E-2144
9999143	Anchorlok	E-2144
B24S	Anchorlok	E-24S
24S	Anchorlok	E-24S
52400001	Anchorlok	E-24S
24S-LS	Anchorlok	E-24S-L
11M034	Anchorlok	E-2764
9999060	Anchorlok	E-2764
B30S	Anchorlok	E-30S
36S	Anchorlok	E-36S
40M009	Anchorlok	E-8888
962001	Anchorlok	E-8888
1262001	Anchorlok	E-8889
44M009	Anchorlok	E-8889
1133M009	Anchorlok	E-8891
2602001	Anchorlok	E-8891
1127M009	Anchorlok	E-8892
246003	Anchorlok	E-8892
2462003	Anchorlok	E-8892
1127L009	Anchorlok	E-8893
246001	Anchorlok	E-8893
2462001	Anchorlok	E-8893
1126M009	Anchorlok	E-8894
306003	Anchorlok	E-8894
3062003	Anchorlok	E-8894
1128M009	Anchorlok	E-8895
3662001	Anchorlok	E-8895
11M018-8	Anchorlok	E-8896
9999048	Anchorlok	E-8896
11M018-1/2	Anchorlok	E-8897

PART NO.	COMPETITOR	EUCLID NO.
9999044	Anchorlok	E-8897
11M018-5/8	Anchorlok	E-8898
9999046	Anchorlok	E-8898
11M018-3/4	Anchorlok	E-8899
9999045	Anchorlok	E-8899
11M012	Anchorlok	E-9112
9999039	Anchorlok	E-9112
1299001	Anchorlok	E-9115
44M011	Anchorlok	E-9115
1126M005-CA	Anchorlok	E-9118
3064004	Anchorlok	E-9118
1128M005-CA	Anchorlok	E-9120
3664003	Anchorlok	E-9120
1133M005-CA	Anchorlok	E-9121
2064004	Anchorlok	E-9121
11M016	Anchorlok	E-9130
9965003	Anchorlok	E-9130
1128M016	Anchorlok	E-9131
3665003	Anchorlok	E-9131
2024GC	Anchorlok	E-GC2024
B2424GC	Anchorlok	E-GC2424
2424GC	Anchorlok	E-GC2424
2424005	Anchorlok	E-GC2424
52424005	Anchorlok	E-GC2424
2424GC-LS	Anchorlok	E-GC2424L
B2430GC	Anchorlok	E-GC2430
2430GC	Anchorlok	E-GC2430
2430GC-LS	Anchorlok	E-GC2430L
B3030GC	Anchorlok	E-GC3030
3030GC	Anchorlok	E-GC3030
53030017	Anchorlok	E-GC3030
3036GC	Anchorlok	E-GC3036
3636GC	Anchorlok	E-GC3636
1624GP	Anchorlok	E-GP1624
2024GP	Anchorlok	E-GP2024
B2424GP	Anchorlok	E-GP2424
2424GP	Anchorlok	E-GP2424
2424001	Anchorlok	E-GP2424
52424011	Anchorlok	E-GP2424
2424GP-LS	Anchorlok	E-GP2424L
B2430GP	Anchorlok	E-GP2430
2430GP	Anchorlok	E-GP2430
2430GP-LS	Anchorlok	E-GP2430L
B3030GP	Anchorlok	E-GP3030
3030GP	Anchorlok	E-GP3030
53030021	Anchorlok	E-GP3030
3036GP	Anchorlok	E-GP3036

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
3636GP	Anchorlok	E-GP3636
0912PB	Anchorlok	E-PB0912
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0916PB	Anchorlok	E-PB0916
916001	Anchorlok	E-PB0916
1212PB	Anchorlok	E-PB1212
1216PB	Anchorlok	E-PB1216
1216012	Anchorlok	E-PB1216
138.2470FC	Automann	E-15054
M5-214	Automann	E-4904S
136.101	Automann	E-6987B
136.1012	Automann	E-6988B
136.241	Automann	E-6989B
136.2412	Automann	E-6990B
136.103	Automann	E-6991B
136.1031	Automann	E-6992B
136.283	Automann	E-6993B
136.2831	Automann	E-6994B
136.3741	Automann	E-6995B
150.2323S1	Automann	E-A3-4734
150.T1101.S1	Automann	E-A3-4734
135.263	Automann	M807537
135.2631	Automann	M807538
135.261	Automann	M807563
135.2611	Automann	M807564
179.6002	Automann	E-10098G
104.10241HD	Automann	E-10197
104.05162	Automann	E-10198
122.281518.01	Automann	E-10306A
122.281518.02	Automann	E-10307A
100.4692.15	Automann	E-10756
100.4692.16	Automann	E-10757
100.4719.10	Automann	E-10760
114.1221	Automann	E-10800
114.1222	Automann	E-10801
122.100608.02	Automann	E-10860
122.100727.02	Automann	E-10861
122.100727.01	Automann	E-10862
122.100512.01	Automann	E-10863
122.100512.02	Automann	E-10864
100.4398.11	Automann	E-10866-A
100.4541.10	Automann	E-10867
100.4592A.13	Automann	E-10869
100.4592A.10	Automann	E-10870
100.4591.20	Automann	E-10875
122.100507.01	Automann	E-10895
122.100507.02	Automann	E-10896
110.2005	Automann	E-10897

PART NO.	COMPETITOR	EUCLID NO.
125.281104.01	Automann	E-10899
125.281104.02	Automann	E-10900
123.282018.01	Automann	E-10901
123.282018.02	Automann	E-10902
123.282110.03	Automann	E-10903
123.282110.04	Automann	E-10904
123.282306.03	Automann	E-10905
123.282306.04	Automann	E-10906
123.282330.01	Automann	E-10907
123.282330.02	Automann	E-10908
123.282402.01	Automann	E-10909
123.282402.02	Automann	E-10910
120.101315.01	Automann	E-10911
120.101315.02	Automann	E-10912
120.101502.01	Automann	E-10913
120.101502.02	Automann	E-10914
120.101508.01	Automann	E-10915
120.101508.02	Automann	E-10916
123.281612.01	Automann	E-10917
123.281612.02	Automann	E-10918
123.282010.01	Automann	E-10919
123.282010.02	Automann	E-10920
123.282104.01	Automann	E-10921
123.282104.02	Automann	E-10922
123.282210.01	Automann	E-10923
123.282210.02	Automann	E-10924
123.282312.01	Automann	E-10925
123.282312.02	Automann	E-10926
123.282420.01	Automann	E-10927
123.282420.02	Automann	E-10928
123.282616.01	Automann	E-10929
123.282616.02	Automann	E-10930
124.102314.02	Automann	E-1094
124.102314.01	Automann	E-1095
179.6	Automann	E-10952
210.2114TS	Automann	E-11003
107.0201	Automann	E-1106
PNF107	Automann	E-1107
107.1091	Automann	E-1113
105.3003	Automann	E-1120-1
100.4709.12	Automann	E-11318
100.4709.13	Automann	E-11319
139.101	Automann	E-11395
139.2411	Automann	E-11396
139.241	Automann	E-11397
139.1031	Automann	E-11398
139.103	Automann	E-11399
139.2831	Automann	E-11401

PART NO.	COMPETITOR	EUCLID NO.
139.283	Automann	E-11402
139.374	Automann	E-11405
139.3741	Automann	E-11406
139.1032	Automann	E-11409
139.1033	Automann	E-11410
139.2832	Automann	E-11417
139.2833	Automann	E-11418
139.2834	Automann	E-11419
139.2835	Automann	E-11420
139.2836	Automann	E-11421
139.2837	Automann	E-11422
179.YK5019	Automann	E-11427A
179.YK5012	Automann	E-11428A
179.YK5016	Automann	E-11429A
179.YK5005	Automann	E-11430A
179.YK5017	Automann	E-11431
139.17	Automann	E-11432
122.101116.02	Automann	E-1147C
122.101116.04	Automann	E-1147C
122.101116.01	Automann	E-1148C
122.101116.03	Automann	E-1148C
100.4693.10	Automann	E-11493
122.280607.02	Automann	E-11512
122.280607.01	Automann	E-11513
122.280703.02	Automann	E-11514
122.280703.01	Automann	E-11515
122.280807.02	Automann	E-11516
122.280807.01	Automann	E-11517
122.280810.02	Automann	E-11518
122.280810.01	Automann	E-11519
122.280815.01	Automann	E-11520
122.280815.02	Automann	E-11521
122.280822.01	Automann	E-11522
122.280822.02	Automann	E-11523
122.280822.04	Automann	E-11524
122.280822.03	Automann	E-11525
122.280923.02	Automann	E-11528
122.280923.01	Automann	E-11529
122.280926.02	Automann	E-11530
122.280926.01	Automann	E-11531
122.280931.02	Automann	E-11532
122.280931.01	Automann	E-11533
122.281002.02	Automann	E-11534
122.281002.01	Automann	E-11535
122.281007.02	Automann	E-11536
122.281007.01	Automann	E-11537
122.281016.01	Automann	E-11538
122.281016.02	Automann	E-11539

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
122.281019.02	Automann	E-11540
122.281019.01	Automann	E-11541
122.281023.02	Automann	E-11544
122.281023.01	Automann	E-11545
122.281026.02	Automann	E-11546
122.281026.01	Automann	E-11547
122.281112.01	Automann	E-11548
122.281112.02	Automann	E-11549
122.281119.01	Automann	E-11550
122.281119.02	Automann	E-11551
122.281126.02	Automann	E-11552
122.281126.01	Automann	E-11553
122.281207.02	Automann	E-11554
122.281207.01	Automann	E-11555
122.281210.02	Automann	E-11556
122.281210.01	Automann	E-11557
122.281215.02	Automann	E-11558
122.281215.01	Automann	E-11559
122.281226.02	Automann	E-11562
122.281226.01	Automann	E-11563
122.281303.02	Automann	E-11564
122.281303.01	Automann	E-11565
122.281310.02	Automann	E-11566
122.281310.01	Automann	E-11567
122.281319.02	Automann	E-11568
122.281319.01	Automann	E-11569
122.281326.02	Automann	E-11570
122.281326.01	Automann	E-11571
122.281410.02	Automann	E-11572
122.281410.01	Automann	E-11573
122.281423.02	Automann	E-11574
122.281423.01	Automann	E-11575
122.281431.02	Automann	E-11576
122.281503.01	Automann	E-11576
122.281431.01	Automann	E-11577
122.281503.02	Automann	E-11578
122.281503.01	Automann	E-11579
122.281510.02	Automann	E-11582
122.281510.01	Automann	E-11583
122.281526.04	Automann	E-11584
122.281526.03	Automann	E-11585
122.281531.02	Automann	E-11586
122.281531.01	Automann	E-11587
122.281603.02	Automann	E-11588
122.281603.01	Automann	E-11589
122.281615.02	Automann	E-11590
122.281615.01	Automann	E-11591
122.281619.02	Automann	E-11592

PART NO.	COMPETITOR	EUCLID NO.
122.281226.02	Automann	E-11592
122.281619.01	Automann	E-11593
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122.281626.02	Automann	E-11594
122.281626.01	Automann	E-11595
122.281631.02	Automann	E-11596
122.281631.01	Automann	E-11597
122.281715.02	Automann	E-11598
122.281715.01	Automann	E-11599
122.281731.02	Automann	E-11600
122.281731.01	Automann	E-11601
122.281815.02	Automann	E-11602
122.281815.01	Automann	E-11603
122.281819.02	Automann	E-11604
122.281819.01	Automann	E-11605
122.280819.02	Automann	E-11608
122.280819.01	Automann	E-11609
122.280910.02	Automann	E-11610
122.280910.01	Automann	E-11611
122.280919.02	Automann	E-11612
122.280919.01	Automann	E-11613
122.281106.02	Automann	E-11618
122.281106.01	Automann	E-11619
122.281123.02	Automann	E-11622
122.281123.01	Automann	E-11623
122.281131.02	Automann	E-11624
122.281131.01	Automann	E-11625
122.281231.02	Automann	E-11626
122.281231.01	Automann	E-11627
122.281306.02	Automann	E-11628
122.281306.01	Automann	E-11629
122.281314.06	Automann	E-11630
122.281314.05	Automann	E-11631
122.281418.02	Automann	E-11632
122.281418.01	Automann	E-11633
122.281522.02	Automann	E-11638
122.281522.01	Automann	E-11639
122.281526.06	Automann	E-11640
122.281526.05	Automann	E-11641
122.281815.04	Automann	E-11642
122.281815.03	Automann	E-11643
122.282031.02	Automann	E-11644
122.282031.01	Automann	E-11645
101.2072K	Automann	E-11741
123.282220.01	Automann	E-11856
123.282220.02	Automann	E-11857
123.282228.03	Automann	E-11858
123.282228.04	Automann	E-11859

PART NO.	COMPETITOR	EUCLID NO.
123.282608.01	Automann	E-11860
123.282608.02	Automann	E-11861
123.283008.01	Automann	E-11862
123.283008.02	Automann	E-11863
125.101100.01	Automann	E-11864
125.101100.02	Automann	E-11865
125.281102.01	Automann	E-11866
125.281102.02	Automann	E-11867
179.YK5008	Automann	E-11882
179.YK5006	Automann	E-11883
179.YK5007	Automann	E-11884
179.YK5009	Automann	E-11885
179.YK5015	Automann	E-11898
179.YK5018	Automann	E-11899
179.YK5013	Automann	E-11900
179.YK5014	Automann	E-11901
156.1006	Automann	E-11907
TRB12537-T	Automann	E-11913
156.1009	Automann	E-11935
156.1008	Automann	E-11937
156.1012	Automann	E-11938
156.1013	Automann	E-11939
122.282312.03	Automann	E-11958
122.282312.04	Automann	E-11959
122.280910.04	Automann	E-11960
122.280910.03	Automann	E-11961
122.281514.02	Automann	E-11962
122.281514.01	Automann	E-11963
122.280822.05	Automann	E-11968
122.280822.06	Automann	E-11969
100.4515.50	Automann	E-11974
100.4729.10	Automann	E-11981
179.CP12	Automann	E-11989
179.CP58	Automann	E-11990
209.2327	Automann	E-1253
B5006	Automann	E-1269
106.1241	Automann	E-1269
112.1169	Automann	E-1271
113.1242	Automann	E-1272
G1803	Automann	E-1307
100.1308.30	Automann	E-1308E
113.1291	Automann	E-1314
111.0001	Automann	E-1318AHD
110.2212	Automann	E-1357A
112.11614	Automann	E-1385
120.102010.02	Automann	E-1393
120.102010.01	Automann	E-1394
114.1175	Automann	E-1408

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
123.102104.02	Automann	E-1410
123.102104.01	Automann	E-1411
113.1281	Automann	E-1416
113.1282	Automann	E-1416A
104.04171	Automann	E-1418
123.102328.02	Automann	E-1420
123.102328.01	Automann	E-1421
123.102308.02	Automann	E-1422
123.102308.01	Automann	E-1423
124.102014.02	Automann	E-1424A
124.102014.04	Automann	E-1424A
124.102014.01	Automann	E-1425A
124.102014.03	Automann	E-1425A
104.10261HD	Automann	E-1428A
100.4692.18	Automann	E-14539
122.282402.03	Automann	E-14820
122.282402.04	Automann	E-14821
122.281710.03	Automann	E-14822
122.281710.04	Automann	E-14823
122.282013.01	Automann	E-14824
122.282013.03	Automann	E-14824
122.282013.02	Automann	E-14825
122.282013.04	Automann	E-14825
138.1011	Automann	E-15016
138.103	Automann	E-15017
138.101	Automann	E-15020
138.241	Automann	E-15022
138.281	Automann	E-15024
138.283	Automann	E-15025
138.2832	Automann	E-15034
138.1011FC	Automann	E-15051
138.1030FC	Automann	E-15052
138.1010FC	Automann	E-15053
138.2810FC	Automann	E-15055
138.2830FC	Automann	E-15056
138.1031FC	Automann	E-15057
138.2831FC	Automann	E-15058
179.YK5814	Automann	E-15061
179.YK5815	Automann	E-15067
179.YK5816	Automann	E-15071
179.YK5010	Automann	E-15072
121.371604.01	Automann	E-1563
121.371604.02	Automann	E-1564
114.1211	Automann	E-1565
112.1206	Automann	E-1567
115.1162	Automann	E-1569
112.1192	Automann	E-1571
134.3741	Automann	E-1574S

PART NO.	COMPETITOR	EUCLID NO.
112.1191	Automann	E-1577A
100.4515.18	Automann	E-1607HD
122.101104.02	Automann	E-1773C
122.101109.02	Automann	E-1773C
122.101104.01	Automann	E-1774C
122.101109.01	Automann	E-1774C
120.101116.02	Automann	E-1775
120.101116.01	Automann	E-1776
109.6006	Automann	E-1780
114.1051	Automann	E-1781
114.1052	Automann	E-1782
124.101004.02	Automann	E-1788
124.101004.01	Automann	E-1789
104.08001HD	Automann	E-1880S
103.1084	Automann	E-1893S
210.1901	Automann	E-1901
210.1902	Automann	E-1902
210.1903	Automann	E-1903
210.1904	Automann	E-1904
210.1905	Automann	E-1905
210.1906	Automann	E-1906
210.1907	Automann	E-1907
210.1908	Automann	E-1908
210.1909	Automann	E-1909
210.191	Automann	E-1910
210.1911	Automann	E-1911
210.1912	Automann	E-1912
210.1913	Automann	E-1913
210.1914	Automann	E-1914
210.1915	Automann	E-1915
210.1916	Automann	E-1916
210.1917	Automann	E-1917
210.1918	Automann	E-1918
210.1919	Automann	E-1919
210.192	Automann	E-1920
210.1921	Automann	E-1921
210.1922	Automann	E-1922
210.1923	Automann	E-1923
210.1924	Automann	E-1924
210.1925	Automann	E-1925
210.1926	Automann	E-1926
210.1927	Automann	E-1927
210.1928	Automann	E-1928
210.1932	Automann	E-1932
210.1933	Automann	E-1933
210.1934	Automann	E-1934
210.1935	Automann	E-1935
210.1936	Automann	E-1936

PART NO.	COMPETITOR	EUCLID NO.
210.1937	Automann	E-1937
100.4607.30	Automann	E-2030HD
110.2301	Automann	E-2087
110.2216	Automann	E-2088AHD
110.2216H	Automann	E-2088AHD-2
110.2008	Automann	E-2089
110.2101	Automann	E-2090
134.1042	Automann	E-2091
121.372104.01	Automann	E-2099
121.372104.02	Automann	E-2100
104.04061HD	Automann	E-2101
112.1165	Automann	E-2102
111.0006	Automann	E-2104
124.102012.01	Automann	E-2107
B6684	Automann	E-2108
124.102012.02	Automann	E-2108
120.102012.02	Automann	E-2108
100.4515.17	Automann	E-2121
110.2102	Automann	E-2122
110.2009	Automann	E-2123
110.2001	Automann	E-2125
100.4591.10	Automann	E-2126
101.0251K	Automann	E-2217S
103.1082	Automann	E-2218
100.4649.10	Automann	E-2286
110.2302	Automann	E-2287
209.1223	Automann	E-2305
134.B5812	Automann	E-2307
112.1161	Automann	E-2361
112.1241	Automann	E-2380
110.2215	Automann	E-2382
103.1001	Automann	E-2389
102.2242	Automann	E-2390
107.1001	Automann	E-2391
108.0301	Automann	E-2392
101.1122K	Automann	E-2395
101.1122.99	Automann	E-2396
104.06181	Automann	E-2398
105.2002	Automann	E-2399
109.6017	Automann	E-2401
100.4591.30	Automann	E-2402HD
100.4591.31	Automann	E-2403HD
114.1177	Automann	E-2404
113.2001	Automann	E-2405
111.1283	Automann	E-2406
113.1283	Automann	E-2406
112.1281	Automann	E-2407
112.1202	Automann	E-2408

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
114.1171	Automann	E-2409
114.1201	Automann	E-2411A
122.101820.02	Automann	E-2412A
124.101820.02	Automann	E-2412A
122.101820.01	Automann	E-2413A
124.101820.01	Automann	E-2413A
209.2339	Automann	E-2421
122.281710.01	Automann	E-2441B
B7352	Automann	E-2442B
122.281710.02	Automann	E-2442B
122.282402.01	Automann	E-2445B
122.282402.02	Automann	E-2446B
122.101710.01	Automann	E-2447A
122.101710.03	Automann	E-2447A
122.101710.02	Automann	E-2448A
122.101710.04	Automann	E-2448A
122.102013.01	Automann	E-2449A
122.102013.03	Automann	E-2449A
122.102013.02	Automann	E-2450A
122.102013.04	Automann	E-2450A
122.102402.01	Automann	E-2451A
122.102402.03	Automann	E-2451A
122.102402.02	Automann	E-2452A
122.102402.04	Automann	E-2452A
134.2841	Automann	E-2458S
134.2831	Automann	E-2459S
110.2307	Automann	E-2469
104.10001	Automann	E-2475
122.100818.04	Automann	E-2478B
122.100818.03	Automann	E-2479B
120.102201.02	Automann	E-2492
120.102210.02	Automann	E-2492
120.102201.01	Automann	E-2493
120.102210.01	Automann	E-2493
112.11611	Automann	E-2517
110.2306	Automann	E-2526
112.11613	Automann	E-2551
579.1051	Automann	E-2644
110.2218	Automann	E-2670
100.4625.10	Automann	E-2675HD
110.2213	Automann	E-2679AHD
110.2304	Automann	E-2680
112.1203	Automann	E-2690A
120.101916.01	Automann	E-2693
120.101916.02	Automann	E-2694
112.1167	Automann	E-2695
110.2002	Automann	E-2696A
122.101018.02	Automann	E-2700B

PART NO.	COMPETITOR	EUCLID NO.
122.101018.04	Automann	E-2700B
122.101018.01	Automann	E-2701B
122.101018.03	Automann	E-2701B
100.4595.10	Automann	E-2713
122.101202.02	Automann	E-2714A
122.101202.01	Automann	E-2715A
112.116T	Automann	E-2739
112.120T	Automann	E-2739
100.1279.10	Automann	E-2740
179.1142	Automann	E-2764
B8000	Automann	E-2766S
104.05161	Automann	E-2767
104.08121	Automann	E-2768
100.4515.42	Automann	E-2769SHD-C
M1014	Automann	E-2785
120.101214.02	Automann	E-2786
120.101214.01	Automann	E-2787
123.102420.02	Automann	E-2792
123.102420.01	Automann	E-2793
124.101712.02	Automann	E-2794
124.101712.01	Automann	E-2795
124.102412.02	Automann	E-2796
124.102412.01	Automann	E-2797
120.100818.02	Automann	E-2799
120.100818.01	Automann	E-2800
101.1081	Automann	E-2802
101.1081.99	Automann	E-2803
104.11121	Automann	E-2804
104.04201	Automann	E-2805
100.4311.11	Automann	E-2820
100.4527.10	Automann	E-2821
105.1005	Automann	E-3007A
105.1002	Automann	E-3227
104.08122	Automann	E-3228
115.1011	Automann	E-3234
100.1308.40	Automann	E-3291
100.4692.13	Automann	E-3373HD
100.4692.20	Automann	E-3374HD
101.1121	Automann	E-3421A
102.2241	Automann	E-3424
107.0251	Automann	E-3427
104.07061	Automann	E-3437
110.2202	Automann	E-3446
112.1081	Automann	E-3447
110.2203	Automann	E-3468A
113.2021	Automann	E-3469
114.1101	Automann	E-3471
114.1164	Automann	E-3472

PART NO.	COMPETITOR	EUCLID NO.
114.1176	Automann	E-3473
114.1091	Automann	E-3475
114.1092	Automann	E-3476
114.1166	Automann	E-3478
114.1163	Automann	E-3479
101.1141.99	Automann	E-3482
101.1141K	Automann	E-3483
100.4670.10	Automann	E-3484
104.08121HD	Automann	E-3490B
104.08121HD	Automann	E-3490S
101.2061	Automann	E-3511
104.06002	Automann	E-3512
105.2003	Automann	E-3513
122.282012.01	Automann	E-3516
122.282012.02	Automann	E-3517
100.4471.10	Automann	E-3518
110.2204	Automann	E-3520AHD
120.101408.01	Automann	E-3523
120.101408.02	Automann	E-3524
M1080	Automann	E-3525
100.4515.30	Automann	E-3710HD
100.4515.35	Automann	E-3710SHD-C
102.2122	Automann	E-3711S
100.4692.10	Automann	E-3782
100.4311.12	Automann	E-3801
123.282012.01	Automann	E-3854
123.282012.02	Automann	E-3855
123.282314.01	Automann	E-3856
123.282314.02	Automann	E-3857
113.2022	Automann	E-3859
121.372328.01	Automann	E-3861
121.372328.02	Automann	E-3862
102.2221	Automann	E-3870
105.4001	Automann	E-3871
104.07221	Automann	E-3872
104.05091	Automann	E-3873
107.0261	Automann	E-3874
110.2205	Automann	E-3876
112.1082	Automann	E-3877
113.1241	Automann	E-3878
100.4515.43	Automann	E-3895SHD-C
210.2033TS	Automann	E-3909
210.2112TS	Automann	E-3910
210.21316TS	Automann	E-3911
101.2091K	Automann	E-3914
110.2206	Automann	E-3989AHD
113.2002	Automann	E-3991
110.2207	Automann	E-3993B

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
135.H0558	Automann	E-427K
100.4515.13	Automann	E-4515PHD
100.4515.25	Automann	E-4515QMB-N
100.4515.21	Automann	E-4515Q-N
100.4515.40	Automann	E-4515U
100.4515.41	Automann	E-4515UHD-B
111.0002	Automann	E-4586
111.0003	Automann	E-4587
111.0004	Automann	E-4594
100.1308.20	Automann	E-4691
100.4561.10	Automann	E-4692
122.101124.02	Automann	E-4702B
122.101124.04	Automann	E-4702B
100.4702.10	Automann	E-4702KITB
122.101124.01	Automann	E-4703B
122.101124.03	Automann	E-4703B
122.100612.02	Automann	E-4704B
122.100612.04	Automann	E-4704B
122.100612.01	Automann	E-4705B
122.100612.03	Automann	E-4705B
122.100728.02	Automann	E-4706B
122.100728.04	Automann	E-4706B
122.100728.01	Automann	E-4707B
122.100728.03	Automann	E-4707B
122.101216.02	Automann	E-4708B
122.101216.04	Automann	E-4708B
122.101216.01	Automann	E-4709B
122.101216.03	Automann	E-4709B
122.101520.02	Automann	E-4710B
122.101524.02	Automann	E-4710B
122.101520.01	Automann	E-4711B
122.101524.01	Automann	E-4711B
124.101610.02	Automann	E-4712
124.101610.01	Automann	E-4713
122.101724.02	Automann	E-4714A
122.101724.04	Automann	E-4714A
122.101724.01	Automann	E-4715A
122.101724.03	Automann	E-4715A
124.102400.02	Automann	E-4716
124.102400.01	Automann	E-4717
124.102524.02	Automann	E-4718
122.102524.02	Automann	E-4718
124.102524.01	Automann	E-4719
122.102524.01	Automann	E-4719
120.102324.02	Automann	E-4720
120.102324.01	Automann	E-4721
120.282007.02	Automann	E-4722
120.282007.01	Automann	E-4723

PART NO.	COMPETITOR	EUCLID NO.
115.1121	Automann	E-4736
120.101314.01	Automann	E-4740
120.101314.02	Automann	E-4741
100.1308.21	Automann	E-4800
124.102228.01	Automann	E-4884
124.102228.02	Automann	E-4885
120.101016.01	Automann	E-4886
120.101016.02	Automann	E-4887
120.101230.01	Automann	E-4888
120.101230.02	Automann	E-4889
121.372106.01	Automann	E-4890
121.372106.02	Automann	E-4891
124.100713.01	Automann	E-4892
124.100713.02	Automann	E-4893
122.102012.01	Automann	E-4900
122.102012.02	Automann	E-4901
122.281323.01	Automann	E-4910A
122.281323.02	Automann	E-4911A
122.100821.01	Automann	E-4993
122.100821.02	Automann	E-4994
122.100828.01	Automann	E-4995
122.100828.02	Automann	E-4996
101.1001.99	Automann	E-501
122.100802.02	Automann	E-5056
122.100802.01	Automann	E-5057
120.100720.01	Automann	E-5058
120.100720.02	Automann	E-5059
120.100818.03	Automann	E-5060
120.100818.04	Automann	E-5061
120.101029.01	Automann	E-5062
120.101029.02	Automann	E-5063
120.100830.01	Automann	E-5066
120.100830.02	Automann	E-5067
115.1051	Automann	E-5093
104.03281	Automann	E-5122
104.07041	Automann	E-5123
112.1083	Automann	E-5127
113.1284	Automann	E-5128
120.100730.01	Automann	E-5129
102.2281	Automann	E-512S
120.100730.02	Automann	E-5130
120.100906.01	Automann	E-5131
120.100906.02	Automann	E-5132
120.100918.01	Automann	E-5133
120.100918.02	Automann	E-5134
120.100925.01	Automann	E-5135
120.100925.02	Automann	E-5136
114.1082	Automann	E-5137

PART NO.	COMPETITOR	EUCLID NO.
114.1081	Automann	E-5138
110.2003	Automann	E-5140
210.7208K	Automann	E-5205
210.7206	Automann	E-5206
210.7204	Automann	E-5207
210.7205	Automann	E-5208
101.2072	Automann	E-523
115.1161	Automann	E-526
108.0241	Automann	E-527
100.4692.19	Automann	E-5306
110.2305	Automann	E-5307
112.11616	Automann	E-535
112.1162	Automann	E-536
105.1003	Automann	E-539
209.1307	Automann	E-540
104.07161	Automann	E-544
104.08001	Automann	E-545A
101.2051K	Automann	E-5477
105.1004	Automann	E-5478
114.1161	Automann	E-5482
120.100820.01	Automann	E-5490
120.100820.02	Automann	E-5491
120.101118.01	Automann	E-5492
120.101118.02	Automann	E-5493
120.101916.03	Automann	E-5494
120.101916.04	Automann	E-5495
120.102324.03	Automann	E-5496
120.102324.04	Automann	E-5497
100.4284.10	Automann	E-5499
110.2004	Automann	E-5501
122.281006.01	Automann	E-5504A
122.281006.02	Automann	E-5505A
112.1161	Automann	E-5512
110.2208	Automann	E-5513
100.4701.10	Automann	E-5515
100.4515.51	Automann	E-5515
123.101512.01	Automann	E-5516
123.101712.03	Automann	E-5516
123.282402.05	Automann	E-5516
123.101512.02	Automann	E-5517
123.101712.04	Automann	E-5517
123.282402.06	Automann	E-5517
123.102012.01	Automann	E-5518
123.102012.02	Automann	E-5519
123.102316.01	Automann	E-5520
123.102316.02	Automann	E-5521
123.281714.01	Automann	E-5522
123.281714.02	Automann	E-5523

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
123.282014.01	Automann	E-5524
123.282014.02	Automann	E-5525
123.282318.01	Automann	E-5526
123.282318.02	Automann	E-5527
122.240908.01	Automann	E-5529
122.240908.02	Automann	E-5530
M1074	Automann	E-5532
B1374	Automann	E-564
114.1173	Automann	E-564
109.6003	Automann	E-579A
114.1174	Automann	E-580
114.1172	Automann	E-581
210.7203	Automann	E-5833
210.7202	Automann	E-5834
210.196	Automann	E-5850
210.1969	Automann	E-5854
210.1968	Automann	E-5855
210.1963	Automann	E-5856
101.2074	Automann	E-586
101.0251	Automann	E-595
101.0251.99	Automann	E-596A
112.1205	Automann	E-6076
114.1203	Automann	E-6077
110.2217	Automann	E-6078
112.1201	Automann	E-6080
123.102228.01	Automann	E-6101
123.102228.02	Automann	E-6102
123.102412.01	Automann	E-6103
123.102412.02	Automann	E-6104
134.1041	Automann	E-612S
179.502	Automann	E-631
113.2023	Automann	E-654
114.1162	Automann	E-656
112.11615	Automann	E-661
112.1163	Automann	E-667
124.102103.02	Automann	E-684
124.102103.01	Automann	E-685
124.101616.02	Automann	E-686
124.101616.01	Automann	E-687
100.1308.22	Automann	E-6879
124.101812.02	Automann	E-688
123.282228.01	Automann	E-6884
123.282228.02	Automann	E-6885
122.101812.02	Automann	E-688A
124.101812.01	Automann	E-689
122.101812.01	Automann	E-689A
124.102202.02	Automann	E-690
124.102202.01	Automann	E-691

PART NO.	COMPETITOR	EUCLID NO.
135.S2835	Automann	E-6927B
114.1181	Automann	E-719
100.4602R.10	Automann	E-7212A
100.4602R.11	Automann	E-7213A
100.4602R.12	Automann	E-7214A
123.102608.01	Automann	E-7217
123.102608.02	Automann	E-7218
123.102616.01	Automann	E-7219
123.102616.02	Automann	E-7220
100.4693.55	Automann	E-7231
100.4693.56	Automann	E-7232
100.4515.55	Automann	E-7237
100.4515.56	Automann	E-7238
105.2004	Automann	E-747
112.1164	Automann	E-759
CATASNB614	Automann	E-7651
CATASNB814	Automann	E-7653
210.ASB8	Automann	E-7653
209.1235	Automann	E-7658
109.6018	Automann	E-773
100.1308.12	Automann	E-7899
108.1041	Automann	E-801
112.1168	Automann	E-807
179.DT9	Automann	E-8888
179.DT12	Automann	E-8889
179.DT16	Automann	E-8890
179.DT20	Automann	E-8891
179.DT24	Automann	E-8892
179.DT30	Automann	E-8894
179.DT36	Automann	E-8895
179.YK5810	Automann	E-8896
179.CPK	Automann	E-8897
179.YK5812	Automann	E-8897
179.YK5813	Automann	E-8898
104.08131HD	Automann	E-8907
100.4708.22	Automann	E-8923
100.4708.11	Automann	E-8925
103.1085	Automann	E-8938
120.100730.03	Automann	E-9028
120.100730.04	Automann	E-9029
120.100906.03	Automann	E-9030
120.100906.04	Automann	E-9031
120.100918.03	Automann	E-9032
120.100918.04	Automann	E-9033
120.100925.03	Automann	E-9034
120.100925.04	Automann	E-9035
104.10042	Automann	E-9038
100.4717.10	Automann	E-9039

PART NO.	COMPETITOR	EUCLID NO.
100.4708.20	Automann	E-9048
100.4708.21	Automann	E-9052
110.2007	Automann	E-9053
120.101500.01	Automann	E-9055
120.101500.02	Automann	E-9056
120.281916.01	Automann	E-9057
120.281916.02	Automann	E-9058
120.282324.01	Automann	E-9059
120.282324.02	Automann	E-9060
104.08123	Automann	E-9063
122.280908.01	Automann	E-9065
122.280908.02	Automann	E-9066
122.280914.03	Automann	E-9067A
122.280914.04	Automann	E-9068A
100.4524.12	Automann	E-9070
114.1213	Automann	E-9071
114.1205	Automann	E-9072
114.1204	Automann	E-9073
114.1202	Automann	E-9074
114.1214	Automann	E-9075
115.0311	Automann	E-9076
115.1201	Automann	E-9077
110.2209	Automann	E-9078HD
110.221	Automann	E-9079HD
110.2211	Automann	E-9080
122.282307.01	Automann	E-9087
122.282307.02	Automann	E-9088
122.102212.01	Automann	E-9089
124.102212.01	Automann	E-9089
122.102212.02	Automann	E-9090
124.102212.02	Automann	E-9090
123.281706.01	Automann	E-9096
123.281706.02	Automann	E-9097
123.282230.01	Automann	E-9098
123.282230.02	Automann	E-9099
123.282402.03	Automann	E-9100
123.282402.04	Automann	E-9101
179.YK5001	Automann	E-9132
179.YK5002	Automann	E-9133
179.YK5004	Automann	E-9135
100.4723.10	Automann	E-9141
100.4515.36	Automann	E-9142
103.1086	Automann	E-920S
123.101604.01	Automann	E-9263
123.101604.02	Automann	E-9264
123.101828.03	Automann	E-9265
123.101828.04	Automann	E-9266
123.102016.03	Automann	E-9267

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
123.102016.04	Automann	E-9268
123.102108.01	Automann	E-9269
123.102108.02	Automann	E-9270
123.102200.03	Automann	E-9271
123.102200.04	Automann	E-9272
123.102304.01	Automann	E-9273
123.102304.02	Automann	E-9274
123.102316.03	Automann	E-9275
123.102316.04	Automann	E-9276
123.102328.03	Automann	E-9277
123.102328.04	Automann	E-9278
123.102608.05	Automann	E-9279
123.102608.06	Automann	E-9280
100.4692.14	Automann	E-9281
100.4692.12	Automann	E-9282
100.4692.11	Automann	E-9283
134.1031	Automann	E-940S
112.11612	Automann	E-943
TRB5912T	Automann	E-9575
100.4524.10	Automann	E-9644
100.4524.11	Automann	E-9644
122.280723.01	Automann	E-9645
122.280723.02	Automann	E-9646
122.280802.01	Automann	E-9647
122.280802.03	Automann	E-9647
122.280802.02	Automann	E-9648
122.280802.04	Automann	E-9648
122.280814.03	Automann	E-9649
122.280818.01	Automann	E-9649
122.280818.03	Automann	E-9649
122.280814.04	Automann	E-9650
122.280818.02	Automann	E-9650
122.280818.04	Automann	E-9650
122.280902.01	Automann	E-9651
122.280902.03	Automann	E-9651
122.280902.02	Automann	E-9652
122.280902.04	Automann	E-9652
122.280914.01	Automann	E-9653
122.280914.05	Automann	E-9653
122.280914.02	Automann	E-9654
122.280914.06	Automann	E-9654
122.281013.01	Automann	E-9655
122.281013.03	Automann	E-9655
122.281013.02	Automann	E-9656
122.281013.04	Automann	E-9656
122.281030.01	Automann	E-9657
122.281030.03	Automann	E-9657
122.281030.02	Automann	E-9658

PART NO.	COMPETITOR	EUCLID NO.
122.281030.04	Automann	E-9658
122.281104.03	Automann	E-9659
122.281107.01	Automann	E-9659
122.281104.04	Automann	E-9660
122.281107.02	Automann	E-9660
122.281118.03	Automann	E-9661
122.281118.04	Automann	E-9662
122.281122.01	Automann	E-9663
122.281122.03	Automann	E-9663
122.281122.02	Automann	E-9664
122.281122.04	Automann	E-9664
122.281130.01	Automann	E-9665
122.281130.02	Automann	E-9666
122.281214.01	Automann	E-9667
122.281214.03	Automann	E-9667
122.281214.02	Automann	E-9668
122.281214.04	Automann	E-9668
122.281230.01	Automann	E-9669
122.281230.03	Automann	E-9669
122.281230.02	Automann	E-9670
122.281230.04	Automann	E-9670
122.281307.03	Automann	E-9671
122.281307.01	Automann	E-9671
122.281307.04	Automann	E-9672
122.281307.02	Automann	E-9672
122.281314.01	Automann	E-9673A
122.281314.03	Automann	E-9673A
122.281314.02	Automann	E-9674A
122.281314.04	Automann	E-9674A
122.281403.01	Automann	E-9675
122.281403.03	Automann	E-9675
122.281403.02	Automann	E-9676
122.281403.04	Automann	E-9676
122.281419.01	Automann	E-9677
122.281419.03	Automann	E-9677
122.281419.02	Automann	E-9678
122.281419.04	Automann	E-9678
122.281424.01	Automann	E-9679
122.281424.02	Automann	E-9680
122.281506.01	Automann	E-9681
122.281506.03	Automann	E-9681
122.281506.02	Automann	E-9682
122.281506.04	Automann	E-9682
122.281523.01	Automann	E-9683
122.281523.03	Automann	E-9683
122.281523.02	Automann	E-9684
122.281523.04	Automann	E-9684
122.100902.01	Automann	E-9687A

PART NO.	COMPETITOR	EUCLID NO.
122.100902.03	Automann	E-9687A
122.100902.02	Automann	E-9688A
122.100902.04	Automann	E-9688A
122.101322.01	Automann	E-9689A
122.101322.03	Automann	E-9689A
122.101322.02	Automann	E-9690A
122.101322.04	Automann	E-9690A
122.101428.01	Automann	E-9691A
122.101428.03	Automann	E-9691A
122.101428.02	Automann	E-9692A
122.101428.04	Automann	E-9692A
122.100721.01	Automann	E-9693
122.100721.03	Automann	E-9693
122.100721.02	Automann	E-9694
122.100721.04	Automann	E-9694
122.100730.01	Automann	E-9695
122.100730.03	Automann	E-9695
122.100730.02	Automann	E-9696
122.100730.04	Automann	E-9696
122.100816.01	Automann	E-9697
122.100816.03	Automann	E-9697
122.100816.05	Automann	E-9697
122.100816.02	Automann	E-9698
122.100816.04	Automann	E-9698
122.100816.06	Automann	E-9698
122.100908.01	Automann	E-9699
122.100908.03	Automann	E-9699
122.100908.02	Automann	E-9700
122.100908.04	Automann	E-9700
122.100918.01	Automann	E-9701
122.100918.03	Automann	E-9701
122.100918.02	Automann	E-9702
122.100918.04	Automann	E-9702
122.100926.01	Automann	E-9703
122.100926.03	Automann	E-9703
122.100926.02	Automann	E-9704
122.100926.04	Automann	E-9704
122.240816.01	Automann	E-9707
122.240816.02	Automann	E-9708
122.240918.01	Automann	E-9711
122.240918.02	Automann	E-9712
122.240726.01	Automann	E-9713
122.240726.02	Automann	E-9714
122.240913.01	Automann	E-9715
122.240913.02	Automann	E-9716
122.241002.01	Automann	E-9717
122.241002.02	Automann	E-9718
123.281712.01	Automann	E-9725

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
123.281712.02	Automann	E-9726
123.102400.01	Automann	E-9727
123.102400.02	Automann	E-9728
123.282630.01	Automann	E-9729
123.282630.02	Automann	E-9730
123.281714.03	Automann	E-9731
123.281714.04	Automann	E-9732
123.282014.03	Automann	E-9733
123.282014.04	Automann	E-9734
123.282318.03	Automann	E-9735
123.282318.04	Automann	E-9736
123.282630.03	Automann	E-9737
123.282630.04	Automann	E-9738
123.101916.01	Automann	E-9739
123.101916.02	Automann	E-9740
123.102608.03	Automann	E-9741
123.102608.04	Automann	E-9742
123.101828.01	Automann	E-9743
123.101828.02	Automann	E-9744
123.102200.01	Automann	E-9745
123.102200.02	Automann	E-9746
123.102616.03	Automann	E-9747
123.102616.04	Automann	E-9748
123.101712.01	Automann	E-9751
123.101712.02	Automann	E-9752
123.282110.01	Automann	E-9755
123.282110.02	Automann	E-9756
123.282202.01	Automann	E-9757
123.282202.02	Automann	E-9758
123.282306.01	Automann	E-9759
123.282306.02	Automann	E-9760
121.281604.01	Automann	E-9761
121.281604.02	Automann	E-9762
120.101006.01	Automann	E-9763
120.101006.02	Automann	E-9764
120.101104.03	Automann	E-9765
120.101104.04	Automann	E-9766
120.101014.01	Automann	E-9767
120.101014.02	Automann	E-9768
120.101216.01	Automann	E-9769
120.101216.02	Automann	E-9770
120.101410.01	Automann	E-9771
120.101410.02	Automann	E-9772
112.1204	Automann	E-9789
110.2303	Automann	E-9790A
112.1166	Automann	E-9792A
179.SB2424	Automann	E-BC2424C
179.SB2430	Automann	E-BC2430C

PART NO.	COMPETITOR	EUCLID NO.
179.SB3030	Automann	E-BC3030C
179.SB3030S	Automann	E-BC3030C
179.PB3030SL	Automann	E-BC3030P-EL
179.PB3030S	Automann	E-BC3030P-L
179.SB3036S	Automann	E-BC3036C
179.SB3636S	Automann	E-BC3636C
179.SC36	Automann	E-BC36S
100.4515.19	Automann	KIT-5
179.SC12	Automann	E-BC12S
179.SC16	Automann	E-BC16S
179.SC16A	Automann	E-BC16S
179.SC20	Automann	E-BC20S
179.SC24	Automann	E-BC24S
179.SC24L	Automann	E-BC24S-EL
179.SB3030SL	Automann	E-BC3030CEL
179.SC30	Automann	E-BC30S
135.2811	Automann	M807001
135.1034	Automann	M807002
135.2834	Automann	M807003
135.2831	Automann	M807004
135.2835	Automann	M807004
135.2842	Automann	M807006
135.1042	Automann	M807007
135.3742	Automann	M807008
135.101	Automann	M807009
135.281	Automann	M807012
135.2841	Automann	M807013
135.3741	Automann	M807014
135.1041	Automann	M807015
135.2832	Automann	M807016
135.2833	Automann	M807017
135.1032	Automann	M807018
135.284	Automann	M807019
135.374	Automann	M807020
135.104	Automann	M807021
135.1031	Automann	M807022
135.103	Automann	M807023
135.283	Automann	M807024
135.2815	Automann	M807500
135.2814	Automann	M807501
135.S3740	Automann	M808000
135.S3741	Automann	M808001
135.S1014	Automann	M808002
135.S1013	Automann	M808003
135.S1034	Automann	M808004
135.S2835A	Automann	M808005
135.S2832	Automann	M808006
135.S1043	Automann	M808007

PART NO.	COMPETITOR	EUCLID NO.
135.S2810	Automann	M808012
135.S2841	Automann	M808013
135.S1041	Automann	M808015
135.S2840	Automann	M808019
135.S1040	Automann	M808021
135.S1031A	Automann	M808022
135.S1030	Automann	M808023
135.S2830A	Automann	M808024
109.6002	Automann	E-937
109.6004	Automann	E-3975
109.6009	Automann	E-2726
133.103	Automann	R806023A
133.1031	Automann	R806022A
133.104	Automann	R806021A
133.1041	Automann	R806015A
133.1042	Automann	R806007A
133.283	Automann	R806024A
133.2831	Automann	R806004A
133.284	Automann	R806019A
133.2841	Automann	R806013A
133.2842	Automann	R806006A
142.13088	Automann	E-5126
142.130882	Automann	E-5528
142.14438	Automann	E-9027
142.451582	Automann	E-3920
142.451584	Automann	E-2778
142.45248	Automann	E-2687
142.47028	Automann	E-9062
142.47078	Automann	E-5503
180.10616	Automann	E-975
201.6128	Automann	E-9837
201.7033	Automann	E-9006
201.7039	Automann	E-9007
201.7502	Automann	E-5798
201.7507	Automann	E-5944
201.7515	Automann	E-5946
201.7517	Automann	E-5954
201.752	Automann	E-5949
201.7538	Automann	E-4951
203.1007	Automann	E-5838
203.1009	Automann	E-5926
203.101	Automann	E-5902
203.1015	Automann	E-6053
203.202	Automann	E-5827
203.2023	Automann	E-5828
203.2024	Automann	E-5976
203.2041	Automann	E-5781
203.2046	Automann	E-5973

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
203.2048	Automann	E-5821
203.2057	Automann	E-5953
209.131	Automann	E-7664
209.1311	Automann	E-7665
209.1312	Automann	E-7666
209.1328	Automann	E-7663
209.2206	Automann	E-573
209.2211	Automann	E-6144
209.2232	Automann	E-4859
209.2234	Automann	E-2662
209.2235	Automann	E-2663
209.2236	Automann	E-2659
209.2238	Automann	E-3510
209.2239	Automann	E-2658
209.2242	Automann	E-2300
209.231	Automann	E-7659
209.2315	Automann	E-7660
209.232	Automann	E-620
209.2323	Automann	E-618
209.2324	Automann	E-617
209.2333	Automann	E-3502
209.2336	Automann	E-2418
209.2337	Automann	E-2420
209.2338	Automann	E-2422
209.234	Automann	E-2423
209.2341	Automann	E-2425
209.2346	Automann	E-6142
209.2349	Automann	E-6147
209.2369	Automann	E-619
537.1007	Automann	E-9262
537.1008	Automann	E-9261
537.1014	Automann	E-4990A
135.H0125	Automann	R810318
135.H0497	Automann	R810310
135.H0543	Automann	R810305
135.H0548	Automann	R810304
135.H0553	Automann	R810300
135.H0554	Automann	R810306
135.H0563	Automann	R810301
135.H0565	Automann	R810308
135.H0566	Automann	R810302
135.H0576	Automann	R810337
135.H0585	Automann	R810338
145.F014100BN	Automann	E-634X
145.F014100S	Automann	E-999X
145.F038112BN	Automann	E583X
145.F038114BN	Automann	E-628X
182.SK401	Automann	SET401

PART NO.	COMPETITOR	EUCLID NO.
182.SK402	Automann	SET402
182.SK403	Automann	SET403
182.SK404	Automann	SET404
182.SK405	Automann	SET405
182.SK406	Automann	SET406
182.SK407	Automann	SET407
182.SK408	Automann	SET408
182.SK409	Automann	SET409
182.SK410	Automann	SET410
182.SK411	Automann	SET411
182.SK412	Automann	SET412
182.SK413	Automann	SET413
182.SK414	Automann	SET414
182.SK415	Automann	SET415
182.SK420	Automann	SET420
182.SK421	Automann	SET421
182.SK422	Automann	SET422
182.SK423	Automann	SET423
182.SK424	Automann	SET424
182.SK425	Automann	SET425
182.SK426	Automann	SET426
201.3020L	Automann	E-5578-L
201.3020R	Automann	E-5578-R
201.6026L	Automann	E-8958-L
201.6026R	Automann	E-8958-R
201.6088L	Automann	E-9002-L
201.6088R	Automann	E-9002-R
201.6092L	Automann	E-9005-L
201.6092R	Automann	E-9005-R
201.6093L	Automann	E-9004-L
201.6093R	Automann	E-9004-R
201.6111L	Automann	E-6057-L
201.6111R	Automann	E-6057-R
201.6115L	Automann	E-9523-L
201.6115R	Automann	E-9523-R
201.6230L	Automann	E-9003-L
201.6230R	Automann	E-9003-R
201.6271L	Automann	E-8954-L
201.6271R	Automann	E-8954-R
201.7043R	Automann	E-5937-R
201.7120L	Automann	E-5876-L
201.7120R	Automann	E-5876-R
201.7127L	Automann	E-3727-L
201.7127R	Automann	E-3727-R
BBK380112	Automann	E583X
C257	Automann	E-5828
C257I	Automann	E-5828
KP100	Automann	E-700

PART NO.	COMPETITOR	EUCLID NO.
KP101UB	Automann	E-7450
KP118UB	Automann	E-8927
KP119UB	Automann	E-7451
KPL001	Automann	E-702A
KPL002B	Automann	E-702A
PNF105	Automann	E-5963
278302	Bendix	E-4904S
278302	Bendix	E-4904S-BK
278321	Bendix	E-940S-BK
278326	Bendix	E-940S-BK
278326N	Bendix	E-940S-BK
NT3030ELSKIT	Bendix	ELPP3030K
813445N	Bendix	E-10897
17931	Bendix	E-10909
17930	Bendix	E-10910
102117/18	Bendix	E-11403
28931415	Bendix	E-11403
10211718	Bendix	E-11415
289314/15	Bendix	E-11415
102117/18	Bendix	E-11415
28931415	Bendix	E-11415
102117/18	Bendix	E-11416
289314/15	Bendix	E-11416
10211718	Bendix	E-11416
28931415	Bendix	E-11416
10211718	Bendix	E-11902
28931415	Bendix	E-11902
289654/55	Bendix	E-11902
289748/49	Bendix	E-11902
317071	Bendix	E-1214
318658	Bendix	E-1214
324330	Bendix	E-1214
316356	Bendix	E-1215
316354	Bendix	E-1216
316355	Bendix	E-1217
316349	Bendix	E-1218
324756	Bendix	E-1218
318564	Bendix	E-1230
288795	Bendix	E-12S
288795N	Bendix	E-12S
H1108	Bendix	E-1467
H1109	Bendix	E-1467
17813	Bendix	E-14820
17812	Bendix	E-14821
17721	Bendix	E-14822
17720	Bendix	E-14823
316331	Bendix	E-1486
316368	Bendix	E-1496

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
283411	Bendix	E-1574HD
283411	Bendix	E-1574S-BK
288799	Bendix	E-16S
288799N	Bendix	E-16S
318870	Bendix	E-2015
322854	Bendix	E-2015
33003	Bendix	E-2015
278084	Bendix	E-2091
288803	Bendix	E-20S
127808	Bendix	E-2125
285783	Bendix	E-2153
3200070	Bendix	E-2153
285785	Bendix	E-2155
318599	Bendix	E-2155
3200710	Bendix	E-2155
285786	Bendix	E-2156
318601	Bendix	E-2156
3200449	Bendix	E-2156
249941	Bendix	E-2162
316370	Bendix	E-2162
249942	Bendix	E-2163
249943	Bendix	E-2164
318657	Bendix	E-2281
445343	Bendix	E-2281
445342	Bendix	E-2282
17811	Bendix	E-2441B
17810	Bendix	E-2442B
17723	Bendix	E-2443B
17813	Bendix	E-2443B
17722	Bendix	E-2444B
17812	Bendix	E-2444B
17725	Bendix	E-2445B
17815	Bendix	E-2445B
17724	Bendix	E-2446B
17814	Bendix	E-2446B
101215	Bendix	E-2458HD
101215N	Bendix	E-2458HD
101215	Bendix	E-2458HD-BK
101215N	Bendix	E-2458HD-BK
101133	Bendix	E-2458S
101133N	Bendix	E-2458S
101215	Bendix	E-2458S
101215N	Bendix	E-2458S
101290	Bendix	E-2458S
101290N	Bendix	E-2458S
103345	Bendix	E-2458S
286965	Bendix	E-2458S
286965N	Bendix	E-2458S

PART NO.	COMPETITOR	EUCLID NO.
286965	Bendix	E-2458S-BK
286965N	Bendix	E-2458S-BK
101214	Bendix	E-2459HD
101214N	Bendix	E-2459HD
286740	Bendix	E-2459HD
287899	Bendix	E-2459HD
287899N	Bendix	E-2459HD
101214	Bendix	E-2459HD-BK
101214N	Bendix	E-2459HD-BK
288753	Bendix	E-2459S-BK
288753N	Bendix	E-2459S-BK
288808	Bendix	E-24S
288808N	Bendix	E-24S
445280	Bendix	E-2552
324095	Bendix	E-2745
324095N	Bendix	E-2745
288813	Bendix	E-30S
288813N	Bendix	E-30S
288818	Bendix	E-36S
288818N	Bendix	E-36S
616973	Bendix	E-4890
806380	Bendix	E-5482
14721	Bendix	E-5506
17720	Bendix	E-5507
17723	Bendix	E-5508
17724	Bendix	E-5509
17815	Bendix	E-5510
17814	Bendix	E-5511
17503	Bendix	E-5526
17502	Bendix	E-5527
224293	Bendix	E-612HD
27323	Bendix	E-612HD
278045	Bendix	E-612HD
278045N	Bendix	E-612HD
278719	Bendix	E-612HD
286965	Bendix	E-612HD
286965N	Bendix	E-612HD
278045	Bendix	E-612HD-BK
278045N	Bendix	E-612HD-BK
278323	Bendix	E-612S-BK
278323N	Bendix	E-612S-BK
289305	Bendix	E-6907A
102111/12	Bendix	E-6923B
10211112	Bendix	E-6923B
289741/42	Bendix	E-6923B
28974142	Bendix	E-6923B
102115/16	Bendix	E-6924B
10211516	Bendix	E-6924B

PART NO.	COMPETITOR	EUCLID NO.
289654/55	Bendix	E-6924B
28965455	Bendix	E-6924B
289748/49	Bendix	E-6924B
28974849	Bendix	E-6924B
317166	Bendix	E-6924B
289312/13	Bendix	E-6925B
28931213	Bendix	E-6925B
289313	Bendix	E-6925B
815806	Bendix	E-6925B
102117/18	Bendix	E-6927B
10211718	Bendix	E-6927B
289314/15	Bendix	E-6927B
28931415	Bendix	E-6927B
102111/12	Bendix	E-6936
10211112	Bendix	E-6936
289741/42	Bendix	E-6936
28974142	Bendix	E-6936
289654/55	Bendix	E-6940
28965455	Bendix	E-6940
289748/49	Bendix	E-6940
28974849	Bendix	E-6940
289312/13	Bendix	E-6942
28931213	Bendix	E-6942
289313	Bendix	E-6942
289314/15	Bendix	E-6944
28931415	Bendix	E-6944
104627	Bendix	E-7231
104623	Bendix	E-7232
104624	Bendix	E-7232
104631	Bendix	E-7235
104628	Bendix	E-7237
104624	Bendix	E-7238
234433	Bendix	E-8888
234226	Bendix	E-8889
234226N	Bendix	E-8889
234189	Bendix	E-8890
234099	Bendix	E-8891
234099N	Bendix	E-8891
234100	Bendix	E-8892
234100N	Bendix	E-8892
234101	Bendix	E-8894
234101N	Bendix	E-8894
234362	Bendix	E-8895
234362N	Bendix	E-8895
205948	Bendix	E-8896
205948N	Bendix	E-8896
225591	Bendix	E-8897
228798	Bendix	E-8898

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
228798N	Bendix	E-8898
278303	Bendix	E-939-BK
22810	Bendix	E-940HD
278008	Bendix	E-940HD
278016	Bendix	E-940HD
278016N	Bendix	E-940HD
278016	Bendix	E-940HD-BK
278016N	Bendix	E-940HD-BK
17921	Bendix	E-9733
17920	Bendix	E-9734
17929	Bendix	E-9735
17928	Bendix	E-9736
11260	Bendix	E-BC2024P
11360	Bendix	E-BC2424P
18360	Bendix	E-BC2424P
800830	Bendix	E-BC2430C
11460	Bendix	E-BC2430P-L
NT3030STD-WC	Bendix	E-BC3030C
12662	Bendix	E-BC3036C
11660	Bendix	E-BC3036P
12763	Bendix	E-BC3636C
11760	Bendix	E-BC3636P
10650	Bendix	E-BC36S
NT2430STD78	Bendix	E-GC2424
NT3030ST-D78TC	Bendix	E-GC3030
NT3030ELS80	Bendix	E-GC3030L
NT3030EL-S80TC	Bendix	E-GC3030L
NT3030STDKIT	Bendix	E-GP3030K
12902	Bendix	E-INT3030C-1EL
12581	Bendix	E-INT3030C-2
12903	Bendix	E-INT3030C-2EL
800822	Bendix	E-BC12S
800823	Bendix	E-BC16S
802990	Bendix	E-BC20S
K058715	Bendix	E-BC20S
802986	Bendix	E-BC24S
K058691	Bendix	E-BC24S
NT3030ELS-80	Bendix	E-BC3030CEL
NT3030ELS-WC	Bendix	E-BC3030CEL
800826	Bendix	E-BC30S
K058740	Bendix	E-BC30S
317166	Bendix	R806022A
815806	Bendix	R806024A
10211718	Bendix	R803058
10211718	Bendix	R803059

PART NO.	COMPETITOR	EUCLID NO.
28931415	Bendix	R803058
28931415	Bendix	R803059
28965455	Bendix	R803059
28974849	Bendix	R803059
102117/18	Bendix	R803058
102117/18	Bendix	R803059
289314/15	Bendix	R803058
289314/15	Bendix	R803059
289654/55	Bendix	R803059
289748/49	Bendix	R803059
H1456	Bendix	E-4078
H994205	Bendix	E-824102
H994206	Bendix	E-824105
45632	Budd	E-10226-L
45631	Budd	E-10226-R
446729	Budd	E-1828
M2547	Budd	E-2655
32310	Budd	E-3723-L
32309	Budd	E-3723-R
35090	Budd	E-3728-L
35089	Budd	E-3728-R
35089/90	Budd	E-3728-R
3508990	Budd	E-3728-R
37173	Budd	E-4960
37179	Budd	E-4960
49321	Budd	E-4960
49328	Budd	E-4960
410737	Budd	E-4961A
476937	Budd	E-4961A
59365	Budd	E-4964-L
59364	Budd	E-4964-R
59364/65	Budd	E-4964-R
59192	Budd	E-4965-L
59191	Budd	E-4965-R
59264	Budd	E-4966-L
59263	Budd	E-4966-R
59263/64	Budd	E-4966-R
61969	Budd	E-4967-L
61968	Budd	E-4967-R
49852	Budd	E-4968-L
49851	Budd	E-4968-R
59184	Budd	E-4969-L
59183	Budd	E-4969-R
59183/84	Budd	E-4969-R
67147	Budd	E-4975-R
41233	Budd	E-4976-R
47147	Budd	E-4979-R
40337	Budd	E-4988-L

PART NO.	COMPETITOR	EUCLID NO.
40336	Budd	E-4988-R
59891	Budd	E-5018
17124	Budd	E-5551-L
17123	Budd	E-5551-R
16272	Budd	E-5553-L
16271	Budd	E-5553-R
70613	Budd	E-5554-L
70613/14	Budd	E-5554-R
70614	Budd	E-5554-R
13097	Budd	E-5556-L
13096	Budd	E-5556-R
16004	Budd	E-5557-L
16003	Budd	E-5557-R
12248	Budd	E-5558-L
12247	Budd	E-5558-R
12247/48	Budd	E-5558-R
13989	Budd	E-5559-L
13988	Budd	E-5559-R
19005	Budd	E-5560-L
19004	Budd	E-5560-R
13991	Budd	E-5561-L
13990	Budd	E-5561-R
49417	Budd	E-5576-L
49416	Budd	E-5576-R
49416/17	Budd	E-5576-R
69913	Budd	E-5579-L
69912	Budd	E-5579-R
22006	Budd	E-5585-L
22005	Budd	E-5585-R
35787	Budd	E-5587-L
35786	Budd	E-5587-R
35786/87	Budd	E-5587-R
40339	Budd	E-5588-L
40338	Budd	E-5588-R
83813	Budd	E-5589-L
83812	Budd	E-5589-R
67458	Budd	E-5610-R
74725	Budd	E-5610-R
67461	Budd	E-5612-R
67461/62	Budd	E-5612-R
59537	Budd	E-5618-L
59536	Budd	E-5618-R
59536/37	Budd	E-5618-R
37889	Budd	E-5652-L
37888	Budd	E-5652-R
37888/89	Budd	E-5652-R
82525	Budd	E-5682
82526	Budd	E-5683

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
84608	Budd	E-5704
75931/32	Budd	E-5713-R
85931	Budd	E-5713-R
82582	Budd	E-5714-L
82581	Budd	E-5714-R
63386	Budd	E-5715-L
63385	Budd	E-5715-R
80698	Budd	E-5716-L
80697	Budd	E-5716-R
80697/98	Budd	E-5716-R
69206	Budd	E-5717-L
69205	Budd	E-5717-R
63626E2	Budd	E-5718-L
63625E2	Budd	E-5718-R
63626E3	Budd	E-5719-L
63625E3	Budd	E-5719-R
63626E1	Budd	E-5720-L
63625E1	Budd	E-5720-R
82579	Budd	E-5721-L
82578	Budd	E-5721-R
82578/79	Budd	E-5721-R
83852	Budd	E-5722-L
83851	Budd	E-5722-R
31439	Budd	E-5724
81269	Budd	E-5734
82574	Budd	E-5748-L
82573	Budd	E-5748-R
82576	Budd	E-5749-L
82575	Budd	E-5749-R
83854	Budd	E-5750-L
82853	Budd	E-5750-R
83853	Budd	E-5750-R
59067	Budd	E-5756-L
59066	Budd	E-5756-R
59066/67	Budd	E-5756-R
59376	Budd	E-5757-L
59375	Budd	E-5757-R
59375/76	Budd	E-5757-R
90554	Budd	E-5764-L
90553	Budd	E-5764-R
90553/54	Budd	E-5764-R
84098	Budd	E-5765-L
84097	Budd	E-5765-R
84097/98	Budd	E-5765-R
59374	Budd	E-5766-L
59373	Budd	E-5766-R
59373/74	Budd	E-5766-R
85108	Budd	E-5775

PART NO.	COMPETITOR	EUCLID NO.
85141	Budd	E-5776
42793	Budd	E-5796
63606	Budd	E-5800
48966	Budd	E-5801
83172	Budd	E-5816
85382	Budd	E-5868-L
99617	Budd	E-5868-L
85381	Budd	E-5868-R
99616	Budd	E-5868-R
59372	Budd	E-5869-L
59371	Budd	E-5869-R
59371/72	Budd	E-5869-R
5937172	Budd	E-5869-R
90514	Budd	E-5870-L
90513	Budd	E-5870-R
90513/14	Budd	E-5870-R
83819	Budd	E-5897-L
83818	Budd	E-5897-R
95694	Budd	E-5932-L
95693	Budd	E-5932-R
95692	Budd	E-5933-L
95691	Budd	E-5933-R
95712	Budd	E-5935-L
95711	Budd	E-5935-R
31704	Budd	E-5936-L
95708	Budd	E-5936-L
31703	Budd	E-5936-R
95707	Budd	E-5936-R
90218	Budd	E-5937-L
37892	Budd	E-5977-L
37891	Budd	E-5977-R
70611	Budd	E-5988-R
106216	Budd	E-5997
106377	Budd	E-5998
106397	Budd	E-5999
106333	Budd	E-6000A
21943	Budd	E-6023-L
21942	Budd	E-6023-R
100018	Budd	E-6033-L
100017	Budd	E-6033-R
67012	Budd	E-6060-L
67011	Budd	E-6060-R
M2539	Budd	E-7656
10709	Budd	E-7895-L
10708	Budd	E-7895-R
35337	Budd	E-7896-L
35336	Budd	E-7896-R
22622	Budd	E-7897-L

PART NO.	COMPETITOR	EUCLID NO.
88014	Budd	E-7897-L
22621	Budd	E-7897-R
88013	Budd	E-7897-R
49415	Budd	E-7898-L
49414	Budd	E-7898-R
M2548	Budd	E-807
98349	Budd	E-8946-L
98348	Budd	E-8946-R
100146	Budd	E-8947-L
100145	Budd	E-8947-R
101322	Budd	E-8948-L
101321	Budd	E-8948-R
106202	Budd	E-8949-L
3008402	Budd	E-8949-L
106201	Budd	E-8949-R
3008401	Budd	E-8949-R
95188	Budd	E-9022-R
37181	Budd	E-5798
44577	Budd	E-5798
45631	Budd	E-3727-R
45632	Budd	E-3727-L
63341	Budd	E-5876-R
63342	Budd	E-5876-L
71736	Budd	E-5578-R
90217	Budd	E-5937-R
63341/42	Budd	E-5876-R
63341-2	Budd	E-5876-R
71736/37	Budd	E-5578-R
M2530	Budd	E-2432
M2537	Budd	E-2341
M2549	Budd	E-3510
M3375	BWP	E-4904S
M3375	BWP	E-4904S-BK
M3363	BWP	E-6987B
M3364	BWP	E-6988B
M3365	BWP	E-6989B
M3366	BWP	E-6989B
M3365	BWP	E-6990B
M3366	BWP	E-6990B
M3367	BWP	E-6991B
M3369	BWP	E-6992B
M3368	BWP	E-6993B
M3370	BWP	E-6994B
M3371	BWP	E-6995B
M3372	BWP	E-6996B
M457	BWP	E-940S-BK
M3295	BWP	E-A3-4734
MK1	BWP	KIT-1

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
MK-1	BWP	KIT-1
MK4	BWP	KIT-4S
MK-3	BWP	KIT-4SHD
MK3	BWP	KIT-4SHD
MK4	BWP	KIT-4SHD
MK-4	BWP	KIT-4SHD
MK5	BWP	KIT-5
M3362	BWP	E-10197
M3491	BWP	E-10198
M3652	BWP	E-10208-R
M3651	BWP	E-10209-L
M3650	BWP	E-10209-R
M3655	BWP	E-10210-L
M3654	BWP	E-10210-R
M3969	BWP	E-10214-L
M3968	BWP	E-10214-R
M3659	BWP	E-10219
M3663	BWP	E-10221
M2470	BWP	E-10224-R
M115	BWP	E-10226-L
M114	BWP	E-10226-R
M97	BWP	E-10229
M1905	BWP	E-10230
M98	BWP	E-10230
M-K105	BWP	E-10244
M2479	BWP	E-10249-L
M2478	BWP	E-10249-R
M721	BWP	E-1025
M3686L	BWP	E-10306A
M3686R	BWP	E-10307A
M1303	BWP	E-1046
M451	BWP	E-1063HD-BK
M3668	BWP	E-10676
M-K108	BWP	E-10756
MK109	BWP	E-10757
M-K113	BWP	E-10760
M3371	BWP	E-10783A
M-3985	BWP	E-10800
M-3986	BWP	E-10801
M1543	BWP	E-10812
M626	BWP	E-10814
M652	BWP	E-10817
M-K112	BWP	E-10875
M-3798-L	BWP	E-10899
M-3798-R	BWP	E-10900
M-3794-L	BWP	E-10901
M-3794-R	BWP	E-10902
M-3795-L	BWP	E-10903

PART NO.	COMPETITOR	EUCLID NO.
M-3795-R	BWP	E-10904
M-3796-L	BWP	E-10905
M-3796-R	BWP	E-10906
M-3797-L	BWP	E-10907
M-3797-R	BWP	E-10908
M3699L	BWP	E-10909
M3699R	BWP	E-10910
M-3149-L	BWP	E-10917
M-3149-R	BWP	E-10918
M-3150-L	BWP	E-10919
M-3150-R	BWP	E-10920
M-3151-L	BWP	E-10921
M-3151-R	BWP	E-10922
M-3152-L	BWP	E-10923
M-3152-R	BWP	E-10924
M-3153-L	BWP	E-10925
M-3153-R	BWP	E-10926
M-3154-L	BWP	E-10927
M-3154-R	BWP	E-10928
M-3155-L	BWP	E-10929
M-3155-R	BWP	E-10930
M744R	BWP	E-1094
M744L	BWP	E-1095
M3367	BWP	E-10950B
M725	BWP	E-1106
M1767	BWP	E-1107
M724	BWP	E-1107
M769	BWP	E-1108
M-769	BWP	E-1108
M771	BWP	E-1112A
M748	BWP	E-1113
M892	BWP	E-1128
M862	BWP	E-1136
M862	BWP	E-1137
M863	BWP	E-1137
M808	BWP	E-1139
M1012	BWP	E-1140
M738	BWP	E-1140
M743L	BWP	E-1147C
M743R	BWP	E-1147C
M743L	BWP	E-1148C
M743R	BWP	E-1148C
M3110R	BWP	E-11540
M3110L	BWP	E-11541
M3116R	BWP	E-11582
M3116L	BWP	E-11583
M3117R	BWP	E-11584
M-3687R	BWP	E-11584

PART NO.	COMPETITOR	EUCLID NO.
M3117L	BWP	E-11585
M-3687L	BWP	E-11585
M3118R	BWP	E-11592
M3118L	BWP	E-11593
M3119R	BWP	E-11598
M3119L	BWP	E-11599
M2613R	BWP	E-11618
M2613L	BWP	E-11619
M2597R	BWP	E-11628
M2597L	BWP	E-11629
M-3698L	BWP	E-11858
M-3698R	BWP	E-11859
M3799L	BWP	E-11866
M3799R	BWP	E-11867
M1382	BWP	E-11953
M1026	BWP	E-1214
M1027	BWP	E-1215
M1028	BWP	E-1216
M1029	BWP	E-1217
M1031	BWP	E-1218
M1043	BWP	E-1230
M2624	BWP	E-1250
M840	BWP	E-1251
M839	BWP	E-1252
M838	BWP	E-1253
M1072	BWP	E-1261
M860	BWP	E-1261
M895	BWP	E-1262
M641A	BWP	E-1269
M826	BWP	E-1271
M825	BWP	E-1272
M652A	BWP	E-1289
M760	BWP	E-1302
M762	BWP	E-1304
M763	BWP	E-1305
M1414	BWP	E-1307
M1415	BWP	E-1308
MK77	BWP	E-1308E
MK79	BWP	E-1308Q
M1093	BWP	E-1314
M2629	BWP	E-1314
M1521	BWP	E-1318A
M1521	BWP	E-1318A-BK
M1553	BWP	E-1319A
M1004	BWP	E-1337
MK13	BWP	E-1357A
MK-13	BWP	E-1357A
M2624	BWP	E-1362

CROSS REFERENCE

CROSS REFERENCE

Brake and Wheel End

PART NO.	COMPETITOR	EUCLID NO.
M-2624	BWP	E-1362
M999	BWP	E-1385
M776R	BWP	E-1393
M776L	BWP	E-1394
M791	BWP	E-1400
M790	BWP	E-1402
M782	BWP	E-1403
M787	BWP	E-1406
M-787	BWP	E-1406
M1589	BWP	E-1408
M477R	BWP	E-1410
M477L	BWP	E-1411
E-824A	BWP	E-1416
M824	BWP	E-1416
M-824	BWP	E-1416
M824A	BWP	E-1416
M824A	BWP	E-1416A
M-824A	BWP	E-1416A
M844	BWP	E-1418
M844	BWP	E-1418-BK
M479R	BWP	E-1420
M479L	BWP	E-1421
M478R	BWP	E-1422
M478L	BWP	E-1423
M562L	BWP	E-1424A
M562R	BWP	E-1424A
M565R	BWP	E-1424A
M562L	BWP	E-1425A
M562R	BWP	E-1425A
M565L	BWP	E-1425A
M641A	BWP	E-1426
M-641A	BWP	E-1426
M1014	BWP	E-1428A
M2657	BWP	E-1457
M1011	BWP	E-1458
M1038	BWP	E-1486
M1069	BWP	E-1559
M1051	BWP	E-1561
M563L	BWP	E-1563
M563R	BWP	E-1564
M1045	BWP	E-1565
M1049	BWP	E-1567
M1046	BWP	E-1569
M1047	BWP	E-1571
M474	BWP	E-1574HD
M474	BWP	E-1574S-BK
M1058	BWP	E-1577A
M1055	BWP	E-1581

PART NO.	COMPETITOR	EUCLID NO.
M1054	BWP	E-1582
M1056	BWP	E-1583
M1941	BWP	E-1597A
MK56	BWP	E-1607HD
M997R	BWP	E-1773C
M997L	BWP	E-1774C
M1571R	BWP	E-1775
M1571L	BWP	E-1776
M1409	BWP	E-1781
M1408	BWP	E-1782
M778L	BWP	E-1788
M778R	BWP	E-1788
M778L	BWP	E-1789
M-778L	BWP	E-1789
M722	BWP	E-1808
MK44	BWP	E-1812
MK-44	BWP	E-1812
M723	BWP	E-1813
MK-2	BWP	E-1816SHD
MK2	BWP	E-1816SHD
MK7	BWP	E-1816SHD
MK-7	BWP	E-1816SHD
M792	BWP	E-1880B
M-K10	BWP	E-1887AHD
MK99	BWP	E-1887AHD
MK10	BWP	E-1887ASHD
MK-10	BWP	E-1887ASHD
M747	BWP	E-1893
M747	BWP	E-1893-BK
M747	BWP	E-1893S
M1901	BWP	E-1901
M1902	BWP	E-1902
M1903	BWP	E-1903
M1904	BWP	E-1904
M1905	BWP	E-1905
M1906	BWP	E-1906
M1907	BWP	E-1907
M1908	BWP	E-1908
M1909	BWP	E-1909
M1910	BWP	E-1910
M1911	BWP	E-1911
M1912	BWP	E-1912
M1913	BWP	E-1913
M1914	BWP	E-1914
M1915	BWP	E-1915
M1916	BWP	E-1916
M1917	BWP	E-1917
M1918	BWP	E-1918

PART NO.	COMPETITOR	EUCLID NO.
M1909	BWP	E-1919
M1919	BWP	E-1919
M1920	BWP	E-1920
M1921	BWP	E-1921
M1922	BWP	E-1922
M1923	BWP	E-1923
M1924	BWP	E-1924
M1925	BWP	E-1925
M1926	BWP	E-1926
M1927	BWP	E-1927
M1928	BWP	E-1928
M1929	BWP	E-1929
M1930	BWP	E-1930
M1931	BWP	E-1931
M1932	BWP	E-1932
M1933	BWP	E-1933
M1934	BWP	E-1934
M1935	BWP	E-1935
M1936	BWP	E-1936
M1937	BWP	E-1937
M899	BWP	E-2015
M779	BWP	E-2029
MK11	BWP	E-2030HD
MK-11	BWP	E-2030HD
MK17	BWP	E-2086B
MK-17	BWP	E-2086B
MK27	BWP	E-2087
MK-27	BWP	E-2087
MK14	BWP	E-2088A
MK-14	BWP	E-2088A
MK14	BWP	E-2088AHD
MK18	BWP	E-2089
MK62	BWP	E-2089
MK-62	BWP	E-2089
MK20	BWP	E-2090
MK-20	BWP	E-2090
M475	BWP	E-2091
M700	BWP	E-2096
M702	BWP	E-2096
M2588	BWP	E-2098
L-1023	BWP	E-2099
M566L	BWP	E-2099
M566R	BWP	E-2100
M721	BWP	E-2101
M-721	BWP	E-2101
M582	BWP	E-2102
M1556	BWP	E-2103
M1554	BWP	E-2104

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M557L	BWP	E-2107
M557R	BWP	E-2107
M557L	BWP	E-2108
M557R	BWP	E-2108
MK8	BWP	E-2121HD
M-K8	BWP	E-2121HD
MK-8	BWP	E-2121SHD
MK21	BWP	E-2122
MK-21	BWP	E-2122
MK18	BWP	E-2123
MK-18	BWP	E-2123
MK19	BWP	E-2125
MK-19	BWP	E-2125
MK46	BWP	E-2126
MK-46	BWP	E-2126
M846	BWP	E-2128
M856	BWP	E-2134
M857	BWP	E-2135
M868	BWP	E-2136
M869	BWP	E-2136
M868	BWP	E-2137
M869	BWP	E-2137
M875	BWP	E-2139
M866	BWP	E-2141
M872	BWP	E-2142
M465	BWP	E-2144
M1034	BWP	E-2153
M-1034	BWP	E-2153
M1036	BWP	E-2155
M1037	BWP	E-2156
M1086	BWP	E-2162
M1010	BWP	E-2163
M830	BWP	E-2163
M1044	BWP	E-2164
M2204	BWP	E-2177
M-2204	BWP	E-2177
M2314	BWP	E-2177
M882	BWP	E-2192
M897	BWP	E-2193
M3261	BWP	E-2217A
M538	BWP	E-2218
M1068	BWP	E-2237
M1085	BWP	E-2281
M1084	BWP	E-2282
MK47	BWP	E-2286
MK-47	BWP	E-2286
MK101	BWP	E-2287
MK24	BWP	E-2287

PART NO.	COMPETITOR	EUCLID NO.
MK-24	BWP	E-2287
M896	BWP	E-2290
M1407	BWP	E-2291
M1956	BWP	E-2296
M1958	BWP	E-2297
M1957	BWP	E-2298
M1959	BWP	E-2299
M1961	BWP	E-2301
M1980	BWP	E-2303
M1979	BWP	E-2304
M1978	BWP	E-2305
M432	BWP	E-2307
M2535	BWP	E-2340
M1550	BWP	E-2361
MK15	BWP	E-2363
MK-15	BWP	E-2363
M2645	BWP	E-2365
M847	BWP	E-2380
MK16	BWP	E-2382
MK-16	BWP	E-2382
M1016	BWP	E-2389
M-1003	BWP	E-2390
M1003	BWP	E-2390
M1007	BWP	E-2391
M1008	BWP	E-2392
M594	BWP	E-2395
M1005	BWP	E-2396
M1009	BWP	E-2398
M1558	BWP	E-2399
M-1432	BWP	E-2401
M1432	BWP	E-2401
MK12	BWP	E-2402HD
MK-12	BWP	E-2402HD
MK43	BWP	E-2403HD
MK-43	BWP	E-2403HD
M1412	BWP	E-2404
M1401	BWP	E-2405
M2631	BWP	E-2405
M1403	BWP	E-2406
M1405	BWP	E-2407
M1404	BWP	E-2408
M1413	BWP	E-2409
M1402	BWP	E-2411A
M1402A	BWP	E-2411A
M3178R	BWP	E-2412A
M559R	BWP	E-2412A
M-559R	BWP	E-2412A
M3178L	BWP	E-2413A

PART NO.	COMPETITOR	EUCLID NO.
M559L	BWP	E-2413A
M-559L	BWP	E-2413A
M-1431	BWP	E-2414
M1431	BWP	E-2414
M1971	BWP	E-2417
M1969	BWP	E-2419
M1973	BWP	E-2421
M2534	BWP	E-2431
M2532	BWP	E-2433
M2537	BWP	E-2435
M2531	BWP	E-2437
M2533	BWP	E-2438
M990L	BWP	E-2441B
M990	BWP	E-2441B
M990L	BWP	E-2441B
M990R	BWP	E-2442B
M-990R	BWP	E-2442B
M991L	BWP	E-2443B
M-991L/R	BWP	E-2444B
M991R	BWP	E-2444B
M992L	BWP	E-2445B
M-992L	BWP	E-2445B
M992R	BWP	E-2446B
M-992R	BWP	E-2446B
M993L	BWP	E-2447A
M993R	BWP	E-2448A
M994L	BWP	E-2449A
M994R	BWP	E-2450A
M995L	BWP	E-2451A
M995R	BWP	E-2452A
M-638	BWP	E-2458HD
M2577	BWP	E-2458S
M638	BWP	E-2458S
M3373	BWP	E-2458S-BK
M638	BWP	E-2458S-BK
M2577	BWP	E-2459HD
M638	BWP	E-2459HD
M2577	BWP	E-2459S-BK
M1984	BWP	E-2460
M1985	BWP	E-2461
M1986	BWP	E-2462
M3392	BWP	E-2462
M1987	BWP	E-2463
M1988	BWP	E-2464
M1989	BWP	E-2465
M1991	BWP	E-2467
M1992	BWP	E-2468
MK24	BWP	E-2469

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
M-K24	BWP	E-2469
MK26	BWP	E-2469
MK-26	BWP	E-2469
M2733	BWP	E-2475
M1013	BWP	E-2476
M2735	BWP	E-2476
M2627	BWP	E-2477B
M572	BWP	E-2477B
M996R	BWP	E-2478B
M996L	BWP	E-2479B
M848	BWP	E-2484
M879	BWP	E-2484
M496R	BWP	E-2492
M3143L	BWP	E-2493
M496L	BWP	E-2493
M497L	BWP	E-2493
MK60	BWP	E-2494
MK-60	BWP	E-2494
M458	BWP	E-24S
M2622	BWP	E-2517
M507	BWP	E-2518A
M-507	BWP	E-2518A
M850	BWP	E-2522
MK25	BWP	E-2526
MK-25	BWP	E-2526
M1996	BWP	E-2550
M1400	BWP	E-2551
M2747	BWP	E-2552
M1942	BWP	E-2644
M-1942	BWP	E-2644
M2586	BWP	E-2654
M2547	BWP	E-2655
M2587	BWP	E-2656
M1967	BWP	E-2660
M1406	BWP	E-2670
MK-54	BWP	E-2675HD
MK54	BWP	E-2675HD
MK55	BWP	E-2676
MK-55	BWP	E-2676
MK65	BWP	E-2679A
MK-65	BWP	E-2679A
MK65	BWP	E-2679AHD
MK64	BWP	E-2680
MK-64	BWP	E-2680
M431	BWP	E-2681A
M509	BWP	E-2681A
M701	BWP	E-2681A
M-701	BWP	E-2681A

PART NO.	COMPETITOR	EUCLID NO.
M2658	BWP	E-2689
M2621	BWP	E-2690A
M2600L	BWP	E-2693
M3143L	BWP	E-2693
M2600R	BWP	E-2694
M3143R	BWP	E-2694
M2623	BWP	E-2695
MK63	BWP	E-2696A
MK-63	BWP	E-2696A
M2611R	BWP	E-2700B
RM2611R	BWP	E-2700B
M2611L	BWP	E-2701B
MK51	BWP	E-2713
M2610R	BWP	E-2714A
M2610L	BWP	E-2715A
M2632	BWP	E-2717
M2648	BWP	E-2720
M2711	BWP	E-2722
M2713	BWP	E-2723
M2721	BWP	E-2724
M-2721	BWP	E-2724
M2636	BWP	E-2733
M2624	BWP	E-2739
MK49	BWP	E-2740
MK-49	BWP	E-2740
M2734	BWP	E-2745
M1422	BWP	E-2766-BK
M-1422	BWP	E-2766S
M-1423	BWP	E-2767
M1423	BWP	E-2767
M1423	BWP	E-2767-BK
M-1424	BWP	E-2768
M1424	BWP	E-2768-BK
MK-72	BWP	E-2769S
MK39	BWP	E-2769SHD
MK-39	BWP	E-2769SHD
MK72	BWP	E-2769SHD
M2737	BWP	E-2770
M-2737	BWP	E-2770
M1014	BWP	E-2785
M2752	BWP	E-2785
M2616R	BWP	E-2786
M2616L	BWP	E-2787
M2603L	BWP	E-2792
M2603R	BWP	E-2792
M2603L	BWP	E-2793
M2603R	BWP	E-2793
M1015R	BWP	E-2794

PART NO.	COMPETITOR	EUCLID NO.
M1015L	BWP	E-2795
M2601R	BWP	E-2796
M2601L	BWP	E-2797
M2712	BWP	E-2798
M2615R	BWP	E-2799
M2615L	BWP	E-2800
M2725	BWP	E-2802
M2717	BWP	E-2803
M2740	BWP	E-2804
M2738	BWP	E-2805
MK58	BWP	E-2821
MK-58	BWP	E-2821
M1433	BWP	E-3007A
M2567	BWP	E-3008
M683	BWP	E-3008
M2568	BWP	E-3010
M459	BWP	E-30S
M1428	BWP	E-3227
M-1428	BWP	E-3227
M1427	BWP	E-3228
M-1427	BWP	E-3228
M1017	BWP	E-3234
M2649	BWP	E-3234
M-2649	BWP	E-3234
MK50	BWP	E-3291
MK-50	BWP	E-3291
MK66	BWP	E-3353A
MK-66	BWP	E-3353A
MK67	BWP	E-3354
MK-67	BWP	E-3354
M1939	BWP	E-3371
M2724	BWP	E-3421A
M3347	BWP	E-3421A
M601	BWP	E-3421A
M2006	BWP	E-3424
M2706	BWP	E-3424
M2715	BWP	E-3426
M2714	BWP	E-3427
M-274	BWP	E-3427
M2729	BWP	E-3437
MK68	BWP	E-3446
MK-68	BWP	E-3446
M2618	BWP	E-3447
MK69	BWP	E-3468A
M-K69	BWP	E-3468A
M2630	BWP	E-3469
M2640	BWP	E-3471
M2641	BWP	E-3472

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M2643	BWP	E-3473
M2646	BWP	E-3473
M-2646	BWP	E-3473
M2639	BWP	E-3475
M-2639	BWP	E-3475
M2637	BWP	E-3476
M2644	BWP	E-3477
M2634	BWP	E-3478
M-2634	BWP	E-3478
M2638	BWP	E-3479
M2728	BWP	E-3481A
M2718	BWP	E-3482
M2727	BWP	E-3483
MK45	BWP	E-3484
MK-45	BWP	E-3484
M2732	BWP	E-3490B
M-2732	BWP	E-3490B
M2584	BWP	E-3492
M2656	BWP	E-3495
M2585	BWP	E-3499
M2573	BWP	E-3501
M1999	BWP	E-3504
M1998	BWP	E-3505
M1997	BWP	E-3506
M2203	BWP	E-3507
M2202	BWP	E-3508
M2201	BWP	E-3509
M2719	BWP	E-3511
M-2719	BWP	E-3511
M2739	BWP	E-3512
M-2739	BWP	E-3512
M2742	BWP	E-3513
M2602L	BWP	E-3516
M2602R	BWP	E-3517
MK59	BWP	E-3518
MK-59	BWP	E-3518
MK61	BWP	E-3520A
MK-61	BWP	E-3520A
MK85	BWP	E-3520A
M2617L	BWP	E-3523
M2617R	BWP	E-3523
M2617L	BWP	E-3524
M2617R	BWP	E-3524
M1082	BWP	E-3525
M-1082(2)	BWP	E-3525
MK42	BWP	E-3710SHD
MK-42	BWP	E-3710SHD
M2748	BWP	E-3711

PART NO.	COMPETITOR	EUCLID NO.
M2748	BWP	E-3711S
M109	BWP	E-3723-L
M108	BWP	E-3723-R
M111	BWP	E-3728-L
M110	BWP	E-3728-R
M1583	BWP	E-3775
M590A	BWP	E-3775
M-505	BWP	E-3781
M505	BWP	E-3781
MK83	BWP	E-3782
MK6	BWP	E-3801
M3175L	BWP	E-3854
M3175R	BWP	E-3855
M3186L	BWP	E-3856
M3186R	BWP	E-3857
M1095	BWP	E-3859
M3180L	BWP	E-3861
M3180R	BWP	E-3862
MK79	BWP	E-3869
M3358	BWP	E-3871
M3236	BWP	E-3873
MK87	BWP	E-3876
M3237	BWP	E-3877
M3236	BWP	E-3878
MK85	BWP	E-3989AHD
MK81	BWP	E-3993B
M881	BWP	E-3994
M-881	BWP	E-3994
M878	BWP	E-3995
M-878	BWP	E-3995
M894	BWP	E-3995
M853	BWP	E-3996
M859	BWP	E-3997
M865	BWP	E-3998
M871	BWP	E-3999
MK10	BWP	E-4311EHD-N
MK99	BWP	E-4311EHD-N
MK7	BWP	E-4515P
MK2	BWP	E-4515PHD
MK7	BWP	E-4515PHD
MK39	BWP	E-4515QHD-N
MK72	BWP	E-4515QHD-N
MK42	BWP	E-4515XHD
M2595	BWP	E-4586
M2594	BWP	E-4593
M2594	BWP	E-4594
MK52	BWP	E-4691
MK-52	BWP	E-4691

PART NO.	COMPETITOR	EUCLID NO.
MK53	BWP	E-4692
MK-53	BWP	E-4692
M3181L	BWP	E-4702B
M3181R	BWP	E-4702B
MK98	BWP	E-4702-KT
M3181L	BWP	E-4703B
M3181R	BWP	E-4703B
M988R	BWP	E-4704B
M988L	BWP	E-4705B
M989L	BWP	E-4706B
M989R	BWP	E-4706B
M988R	BWP	E-4707B
M989L	BWP	E-4707B
M989R	BWP	E-4707B
M998R	BWP	E-4708B
M998L	BWP	E-4709B
MK84	BWP	E-4709ES-N
M1570R	BWP	E-4710B
M1570L	BWP	E-4711B
M746L	BWP	E-4716
M746R	BWP	E-4716
M746L	BWP	E-4717
M746R	BWP	E-4717
M1383R	BWP	E-4718
M3183R	BWP	E-4718
M1383L	BWP	E-4719
M3144L	BWP	E-4719
M3183L	BWP	E-4719
M2604R	BWP	E-4720
M3144R	BWP	E-4720
M2604L	BWP	E-4721
M3144L	BWP	E-4721
M3174R	BWP	E-4722
M3174L	BWP	E-4723
M1563L	BWP	E-4740
M1563R	BWP	E-4741
M2720	BWP	E-4800
M3296	BWP	E-4857
M3288	BWP	E-4871
M3291	BWP	E-4881
M3173L	BWP	E-4884
M3173R	BWP	E-4885
M3176L	BWP	E-4886
M3176R	BWP	E-4887
M3184L	BWP	E-4888
M3184R	BWP	E-4889
M3185L	BWP	E-4890
M3185R	BWP	E-4891

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
M3689L	BWP	E-4900
M3689R	BWP	E-4901
M957	BWP	E-4942
M960	BWP	E-4944
M961	BWP	E-4945
M962	BWP	E-4946
M964	BWP	E-4947
M968	BWP	E-4948
M969	BWP	E-4949
M971	BWP	E-4950
M976	BWP	E-4952
M977	BWP	E-4953
M37	BWP	E-4955
M39	BWP	E-4956A
M40	BWP	E-4957
M38	BWP	E-4958
M2526	BWP	E-4960
M138	BWP	E-4961A
M2459	BWP	E-4961A
M43	BWP	E-4962
M44	BWP	E-4962
M1145	BWP	E-4963
M45	BWP	E-4963
M73	BWP	E-4964-L
M72	BWP	E-4964-R
M75	BWP	E-4965-L
M74	BWP	E-4965-R
M76	BWP	E-4966-L
M77	BWP	E-4966-L
M76	BWP	E-4966-R
M79	BWP	E-4967-L
M78	BWP	E-4967-R
M81	BWP	E-4968-L
M80	BWP	E-4968-R
M83	BWP	E-4969-L
M82	BWP	E-4969-R
M248	BWP	E-4975-R
M256	BWP	E-4976-R
M-248A	BWP	E-4979-R
M35	BWP	E-4987A
M103	BWP	E-4988-L
M102	BWP	E-4988-R
M220	BWP	E-5007
M139	BWP	E-5008
M613	BWP	E-501
M34	BWP	E-5012
M1285	BWP	E-5018
M1515	BWP	E-502

PART NO.	COMPETITOR	EUCLID NO.
M618	BWP	E-502
M619	BWP	E-502
M215	BWP	E-5032
M8	BWP	E-5040A
M7	BWP	E-5044
M3246	BWP	E-5087
M3245	BWP	E-5088
M3243	BWP	E-5089
M3244	BWP	E-5090
M1512	BWP	E-5093
M-1512	BWP	E-5093
M3349	BWP	E-5093
M1516	BWP	E-512
M620	BWP	E-512
M3345	BWP	E-5122
M3346	BWP	E-5123
M3351	BWP	E-5127
M3352	BWP	E-5128
M620	BWP	E-512-BK
M3147L	BWP	E-5133
M3147R	BWP	E-5134
M3353	BWP	E-5137
M3354	BWP	E-5138
MK77	BWP	E-5139
MK78	BWP	E-5140
M1181	BWP	E-5205
M1182	BWP	E-5205
M1190	BWP	E-5205
M596	BWP	E-523
M579	BWP	E-526
M645	BWP	E-527
M3238	BWP	E-5304
M3239	BWP	E-5305
MK104	BWP	E-5306
M572	BWP	E-535
M1586	BWP	E-536
M1587	BWP	E-536
M571	BWP	E-536
M571	BWP	E-536-BK
M1559	BWP	E-537
M641	BWP	E-537
M640	BWP	E-538
M644	BWP	E-539
M682	BWP	E-540
M549	BWP	E-543
M547	BWP	E-544
M547	BWP	E-545A
M548	BWP	E-545A

PART NO.	COMPETITOR	EUCLID NO.
M3361	BWP	E-5478
MK84	BWP	E-5481A
M3240	BWP	E-5482
M3129L	BWP	E-5490
M3129R	BWP	E-5491
M3128L	BWP	E-5492
M3128R	BWP	E-5493
MK86	BWP	E-5501
M3120L	BWP	E-5504A
M3120R	BWP	E-5505A
M-3170L	BWP	E-5506
M-3170R	BWP	E-5507
M-3171L	BWP	E-5508
M-3171R	BWP	E-5509
M3172L	BWP	E-5510
M3172R	BWP	E-5511
M571	BWP	E-5512
MK91	BWP	E-5515
M3132L	BWP	E-5516
M3132R	BWP	E-5517
M3145L	BWP	E-5518
M3145R	BWP	E-5519
M3134L	BWP	E-5520
M3134R	BWP	E-5521
M3187L	BWP	E-5522
M3187R	BWP	E-5523
M3140L	BWP	E-5524
M3140R	BWP	E-5525
M3142L	BWP	E-5526
M3186L	BWP	E-5526
M3142R	BWP	E-5527
M3186R	BWP	E-5527
M877	BWP	E-5531
M1075	BWP	E-5532
M-1075	BWP	E-5532
M1083	BWP	E-5532
M1076	BWP	E-5537
M-1076	BWP	E-5537
M884	BWP	E-5540
M-884	BWP	E-5540
M877	BWP	E-5541
M-877	BWP	E-5541
MK76	BWP	E-5543
M-K76	BWP	E-5543
M57	BWP	E-5551-L
M56	BWP	E-5551-R
M61	BWP	E-5553-L
M60	BWP	E-5553-R

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M135	BWP	E-5554-L
M134	BWP	E-5554-R
M49	BWP	E-5556-L
M48	BWP	E-5556-R
M62	BWP	E-5557-L
M63	BWP	E-5557-R
M47	BWP	E-5558-L
M46	BWP	E-5558-R
M51	BWP	E-5559-L
M50	BWP	E-5559-R
M562R	BWP	E-556
M55	BWP	E-5560-L
M54	BWP	E-5560-R
M53	BWP	E-5561-L
M52	BWP	E-5561-R
M562L	BWP	E-557
M1	BWP	E-5570
M1258	BWP	E-5571A
M3	BWP	E-5571A
M4	BWP	E-5572A
M11	BWP	E-5573
M140F	BWP	E-5576-L
M140E	BWP	E-5576-R
M167	BWP	E-5579-L
M166	BWP	E-5579-R
M59	BWP	E-5585-L
M58	BWP	E-5585-R
M261	BWP	E-5587-L
M260	BWP	E-5587-R
M105	BWP	E-5588-L
M104	BWP	E-5588-R
M1171	BWP	E-5589-L
M1170	BWP	E-5589-R
M244	BWP	E-5610-R
M92	BWP	E-5610-R
M246	BWP	E-5612-R
M259	BWP	E-5618-L
M258	BWP	E-5618-R
M642	BWP	E-563
M184	BWP	E-5632
M588	BWP	E-564
M125	BWP	E-5652-L
M124	BWP	E-5652-R
M158	BWP	E-5682
M159	BWP	E-5683
M974	BWP	E-5702
M1153	BWP	E-5704
M1102	BWP	E-5706

PART NO.	COMPETITOR	EUCLID NO.
M142	BWP	E-5708
M144	BWP	E-5710
M145	BWP	E-5711
M1165	BWP	E-5713-L
M1164	BWP	E-5713-R
M1167	BWP	E-5714-L
M1166	BWP	E-5714-R
M2495	BWP	E-5715-L
M2494	BWP	E-5715-R
M1169	BWP	E-5716-L
M1168	BWP	E-5716-R
M2497	BWP	E-5717-L
M2496	BWP	E-5717-R
M85	BWP	E-5718-L
M84	BWP	E-5718-R
M87	BWP	E-5719-L
M86	BWP	E-5719-R
M684	BWP	E-572
M89	BWP	E-5720-L
M88	BWP	E-5720-R
M1107	BWP	E-5721-L
M1106	BWP	E-5721-R
M1109	BWP	E-5722-L
M1108	BWP	E-5722-R
M90	BWP	E-5724
M1263	BWP	E-5726
M1264	BWP	E-5728
M1265	BWP	E-5729
M1557	BWP	E-5734
M981	BWP	E-5736
M982	BWP	E-5737
M983	BWP	E-5738
M985	BWP	E-5740
M986	BWP	E-5742
M987	BWP	E-5743
M1115	BWP	E-5748-L
M1114	BWP	E-5748-R
M1117	BWP	E-5749-L
M1116	BWP	E-5749-R
M1119	BWP	E-5750-L
M1118	BWP	E-5750-R
M1111	BWP	E-5756-L
M1110	BWP	E-5756-R
M1113	BWP	E-5757-L
M1144	BWP	E-5761
M1207	BWP	E-5764-L
M1206	BWP	E-5764-R
M1121	BWP	E-5765-L

PART NO.	COMPETITOR	EUCLID NO.
M1120	BWP	E-5765-R
M1177	BWP	E-5766-L
M1176	BWP	E-5766-R
M1151	BWP	E-5775
M1127	BWP	E-5783
M1123	BWP	E-5784A
M1125	BWP	E-5785A
M2464	BWP	E-5796
M2521	BWP	E-5799
M648	BWP	E-579A
M583	BWP	E-580
M2523	BWP	E-5800
M2509	BWP	E-5801
M580	BWP	E-581
M1283	BWP	E-5816
M1248	BWP	E-5820
M1247	BWP	E-5822
M1246	BWP	E-5823
M1128	BWP	E-5824
M1129	BWP	E-5825
M1180	BWP	E-5833
M1179	BWP	E-5834
M1135	BWP	E-5837
M149	BWP	E-5850
M150	BWP	E-5851
M154	BWP	E-5854
M155	BWP	E-5855
M153	BWP	E-5856
M156	BWP	E-5857
M597	BWP	E-586
M2429	BWP	E-5868-L
M2428	BWP	E-5868-R
M1211	BWP	E-5869-L
M1210	BWP	E-5869-R
M1209	BWP	E-5870-L
M1208	BWP	E-5870-R
M1213	BWP	E-5871-L
M1212	BWP	E-5871-R
M2524	BWP	E-5872
M2500	BWP	E-5883
M1282	BWP	E-5885
M1173	BWP	E-5890
M1189	BWP	E-5891
M1254	BWP	E-5892
M2439	BWP	E-5896-L
M2438	BWP	E-5896-R
M1219	BWP	E-5897-L
M1218	BWP	E-5897-R

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
M1251	BWP	E-5898-L
M1250	BWP	E-5898-R
M1205	BWP	E-5899-L
M1204	BWP	E-5899-R
M2435	BWP	E-5900-L
M2434	BWP	E-5900-R
M1148	BWP	E-5904A
M1242	BWP	E-5904A
M1244	BWP	E-5906
M1291	BWP	E-5909-L
M1290	BWP	E-5909-R
M2437	BWP	E-5910-L
M2436	BWP	E-5910-R
M2433	BWP	E-5911-L
M2432	BWP	E-5911-R
M2423	BWP	E-5916-L
M2422	BWP	E-5916-R
M2453	BWP	E-5918-L
M2452	BWP	E-5918-R
M2449	BWP	E-5920-L
M2448	BWP	E-5920-R
M2447	BWP	E-5922-L
M2446	BWP	E-5922-R
M2425	BWP	E-5923-L
M2424	BWP	E-5923-R
M2421	BWP	E-5924-L
M2420	BWP	E-5924-R
M2407	BWP	E-5929-L
M2406	BWP	E-5929-R
M2411	BWP	E-5930-L
M2410	BWP	E-5930-R
M2405	BWP	E-5931-L
M2404	BWP	E-5931-R
M2403	BWP	E-5932-L
M2402	BWP	E-5932-R
M2409	BWP	E-5933-L
M2408	BWP	E-5933-R
M2415	BWP	E-5935-L
M2414	BWP	E-5935-R
M2417	BWP	E-5936-L
M2416	BWP	E-5936-R
M2419	BWP	E-5937-L
M592	BWP	E-595
M2527	BWP	E-5952
M2525	BWP	E-5955
M2528	BWP	E-5957
M2529	BWP	E-5960
M2034	BWP	E-5964

PART NO.	COMPETITOR	EUCLID NO.
M612	BWP	E-596A
M-612	BWP	E-596A
M127	BWP	E-5977-L
M126	BWP	E-5977-R
M2431	BWP	E-5982-L
M2430	BWP	E-5982-R
M2467	BWP	E-5983-L
M2466	BWP	E-5983-R
M2481	BWP	E-5985-L
M2480	BWP	E-5985-R
M1289	BWP	E-5987-L
M1288	BWP	E-5987-R
M2401	BWP	E-5988-L
M136	BWP	E-5988-R
M2400	BWP	E-5988-R
M3644	BWP	E-5989-L
M3645	BWP	E-5989-R
M3207	BWP	E-5991
M3205	BWP	E-5992A
M3206	BWP	E-5993
M3204	BWP	E-5994
M3201	BWP	E-5997
M3200	BWP	E-5998
M3202	BWP	E-5999
M3203	BWP	E-6000A
M3232	BWP	E-6001A
M578	BWP	E-602
M3225	BWP	E-6027-L
M3224	BWP	E-6027-R
M1048	BWP	E-603
M1572	BWP	E-603
M3217	BWP	E-6034
M3216	BWP	E-6035
M140H	BWP	E-6060-L
M140G	BWP	E-6060-R
MK90	BWP	E-6078
M633	BWP	E-608
M3247	BWP	E-6080
M622	BWP	E-609
M3133L	BWP	E-6101
M3133R	BWP	E-6102
M434	BWP	E-612HD
M-452	BWP	E-612HD
M452	BWP	E-612HD
M464	BWP	E-612HD
M434	BWP	E-612S-BK
M435	BWP	E-612S-BK
M452	BWP	E-612S-BK

PART NO.	COMPETITOR	EUCLID NO.
M1938	BWP	E-6137
M3298	BWP	E-6138
M3390	BWP	E-6140
M3393	BWP	E-6141
M431	BWP	E-631
M706	BWP	E-632
M2633	BWP	E-654
M587A	BWP	E-654
M584	BWP	E-656
M571A	BWP	E-661
M571B	BWP	E-661
M710	BWP	E-662
M1551	BWP	E-667
M3258	BWP	E-667
M567R	BWP	E-684
M567L	BWP	E-685
M561R	BWP	E-686
M561L	BWP	E-687
M3137L	BWP	E-6884
M3137R	BWP	E-6885
N3137R	BWP	E-6885
M559R	BWP	E-688A
M774R	BWP	E-688A
M559L	BWP	E-689A
M774L	BWP	E-689A
M558R	BWP	E-690
M560R	BWP	E-690
M558L	BWP	E-691
M560L	BWP	E-691
M1509	BWP	E-712
M1576	BWP	E-714
M719	BWP	E-719
MK30	BWP	E-7212A
MK-30	BWP	E-7212A
MK32	BWP	E-7213A
MK-32	BWP	E-7213A
MK31	BWP	E-7214A
MK-31	BWP	E-7214A
MK94	BWP	E-7231
MK96	BWP	E-7235
MK95	BWP	E-7237
M1500	BWP	E-747
M1500	BWP	E-747-BK
M798	BWP	E-752
M1507	BWP	E-757
M571B	BWP	E-759
M2539	BWP	E-7656
M617	BWP	E-773

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M129	BWP	E-7895-L
M128	BWP	E-7895-R
M131	BWP	E-7896-L
M130	BWP	E-7896-R
M133	BWP	E-7897-L
M132	BWP	E-7897-R
M140B	BWP	E-7898-L
M140A	BWP	E-7898-R
M-K79-B	BWP	E-7899
M1523	BWP	E-801
M2548	BWP	E-807
M704	BWP	E-864
M1583	BWP	E-886
M-1583	BWP	E-886
M590A	BWP	E-886
M460	BWP	E-8888
M461	BWP	E-8889
M462	BWP	E-8890
M463	BWP	E-8891
M464	BWP	E-8892
M466	BWP	E-8894
M467	BWP	E-8895
M1381	BWP	E-8896
M1382	BWP	E-8897
M1383	BWP	E-8898
M1273	BWP	E-8946-L
M1272	BWP	E-8946-R
M3609	BWP	E-8947-L
M3608	BWP	E-8947-R
M2499	BWP	E-8948-L
M2498	BWP	E-8948-R
M3219	BWP	E-8949-L
M3218	BWP	E-8949-R
M1271	BWP	E-8959-L
M1270	BWP	E-8959-R
M1276	BWP	E-8963
M1278	BWP	E-8964
M1279	BWP	E-8965
M3615	BWP	E-8968-L
M3614	BWP	E-8968-R
M3611	BWP	E-8969-L
M3610	BWP	E-8969-R
M3633	BWP	E-8972-L
M3632	BWP	E-8972-R
M3629	BWP	E-8977-L
M3628	BWP	E-8977-R
M3242	BWP	E-8979-L
M3241	BWP	E-8979-R

PART NO.	COMPETITOR	EUCLID NO.
M3669	BWP	E-8980
M3667	BWP	E-8981
M3613	BWP	E-8982-L
M3612	BWP	E-8982-R
M196	BWP	E-8992-L
M195	BWP	E-8992-R
M198	BWP	E-8993-L
M197	BWP	E-8993-R
M190	BWP	E-8994-L
M189	BWP	E-8994-R
M2477	BWP	E-8995-L
M2476	BWP	E-8995-R
M2473	BWP	E-8996-L
M2472	BWP	E-8996-R
M2485	BWP	E-9000-L
M2484	BWP	E-9000-R
M2475	BWP	E-9001-L
M2474	BWP	E-9001-R
M3617	BWP	E-9008-L
M3616	BWP	E-9008-R
M-3671	BWP	E-9009
M3619	BWP	E-9010-L
M3618	BWP	E-9010-R
M3979	BWP	E-9020
M1266	BWP	E-9022-R
M2461	BWP	E-9023
M-3498	BWP	E-9037
M-3987	BWP	E-9038
M-K115	BWP	E-9039
M-K116	BWP	E-9053
M3130L	BWP	E-9057
M3130R	BWP	E-9058
M3131L	BWP	E-9059
M3131R	BWP	E-9060
M-3260	BWP	E-9063
MK98	BWP	E-9064
M3248	BWP	E-9075
M3398	BWP	E-9077
MK89	BWP	E-9078
MK89	BWP	E-9078HD
MK88	BWP	E-9079
MK88	BWP	E-9079HD
M3688R	BWP	E-9087
M3688L	BWP	E-9088
M560L	BWP	E-9089
M560R	BWP	E-9090
M-3494	BWP	E-9095A
M3188L	BWP	E-9098

PART NO.	COMPETITOR	EUCLID NO.
E-M3188R	BWP	E-9099
M3188R	BWP	E-9099
M1505	BWP	E-910
M3169L	BWP	E-9100
M3169R	BWP	E-9101
M-3984	BWP	E-9102
M3385	BWP	E-9132
M3386	BWP	E-9133
M3388	BWP	E-9135
M-K114	BWP	E-9141
M742	BWP	E-919
M741	BWP	E-920
MK80	BWP	E-9281
M-3731	BWP	E-9319
M-3732	BWP	E-9320
M2582	BWP	E-939-BK
M1064	BWP	E-940HD
M457	BWP	E-940HD
M1064	BWP	E-940HD-BK
M1520	BWP	E-943
M737	BWP	E-957
M2746	BWP	E-9643
M-3497	BWP	E-9643
MK92	BWP	E-9644
M3108L	BWP	E-9645
M3108R	BWP	E-9646
M2605L	BWP	E-9649
M3109L	BWP	E-9649
M2605R	BWP	E-9650
M3109R	BWP	E-9650
M3121L	BWP	E-9651
M3121R	BWP	E-9652
M2612L	BWP	E-9655
M3179L	BWP	E-9655
M2612R	BWP	E-9656
M3179R	BWP	E-9656
M2612L	BWP	E-9657
M-2612L	BWP	E-9657
M2612R	BWP	E-9658
M2612L	BWP	E-9659
M2613L	BWP	E-9659
M3111L	BWP	E-9659
M3111R	BWP	E-9659
M2612R	BWP	E-9660
M2613R	BWP	E-9660
M3111L	BWP	E-9660
M3111R	BWP	E-9660
M2614L	BWP	E-9661

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
M3112L	BWP	E-9661
M2614R	BWP	E-9662
M3112R	BWP	E-9662
M3113L	BWP	E-9665
M3113R	BWP	E-9666
M2606L	BWP	E-9667
M2606R	BWP	E-9668
M2607L	BWP	E-9669
M2607R	BWP	E-9670
M2597L	BWP	E-9671
M2598L	BWP	E-9671
M3114L	BWP	E-9671
M2597R	BWP	E-9672
M2598R	BWP	E-9672
M3114R	BWP	E-9672
M2599L	BWP	E-9675
M3683L	BWP	E-9675
M2599R	BWP	E-9676
M3683R	BWP	E-9676
M3115L	BWP	E-9679
M3684L	BWP	E-9679
M3115R	BWP	E-9680
M3684R	BWP	E-9680
M3685L	BWP	E-9681
M3685R	BWP	E-9682
M1570L	BWP	E-9691A
M3122L	BWP	E-9693
M3122R	BWP	E-9694
M2609L	BWP	E-9695
M-2609L	BWP	E-9695
M3123L	BWP	E-9695
M2609R	BWP	E-9696
M-2609R	BWP	E-9696
M3123R	BWP	E-9696
M3124L	BWP	E-9697
M3124R	BWP	E-9698
M3125L	BWP	E-9701
M3125R	BWP	E-9702
M3136L	BWP	E-9725
M3136R	BWP	E-9726
M3135L	BWP	E-9727
M3135R	BWP	E-9728
M3138L	BWP	E-9729
M3138R	BWP	E-9730
M3696L	BWP	E-9731
M3696R	BWP	E-9732
M3697L	BWP	E-9733
M3697R	BWP	E-9734

PART NO.	COMPETITOR	EUCLID NO.
M3147L	BWP	E-9735
M3147R	BWP	E-9736
M3141L	BWP	E-9737
M3141R	BWP	E-9738
M3148L	BWP	E-9741
M3148R	BWP	E-9742
M-3792-L	BWP	E-9755
M-3792-R	BWP	E-9756
M3793L	BWP	E-9757
M3793R	BWP	E-9758
M-3789-L	BWP	E-9759
M-3789-R	BWP	E-9760
M3789R	BWP	E-9760
M3127L	BWP	E-9769
M3127R	BWP	E-9770
M3126L	BWP	E-9771
M3126R	BWP	E-9772
M3747	BWP	E-9789
M749	BWP	E-979
M-K103	BWP	E-9790A
MK107	BWP	E-9791HD
M3748	BWP	E-9792A
M797	BWP	E-980
M1122	BWP	E-5926
M114	BWP	E-3727-R
M1141	BWP	E-5827
M1142	BWP	E-5828
M115	BWP	E-3727-L
M1175	BWP	E-5781
M1183	BWP	E-5953
M-1183	BWP	E-5953
M1185	BWP	E-5973
M1228	BWP	E-5876-R
M-1228/29	BWP	E-5876-R
M1229	BWP	E-5876-L
M1249	BWP	E-5821
M1262	BWP	E-5974
M1421	BWP	E-2778
M-1421	BWP	E-2778
M1636	BWP	E-999X
M164	BWP	E-5578-R
M-164/65	BWP	E-5578-R
M-1767	BWP	E-937
M1889	BWP	E-937
M1960	BWP	E-2300
M1963	BWP	E-2662
M1964	BWP	E-2663
M1965	BWP	E-2658

PART NO.	COMPETITOR	EUCLID NO.
M1966	BWP	E-2659
M-1966	BWP	E-2659
M1970	BWP	E-2418
M1974	BWP	E-2420
M1975	BWP	E-2425
M1977	BWP	E-2423
M2418	BWP	E-5937-R
M-2418/19	BWP	E-5937-R
M2460	BWP	E-5902
M2520	BWP	E-5798
M2530	BWP	E-2432
M2537	BWP	E-2341
M2549	BWP	E-3510
M2567	BWP	E-573
M2574	BWP	E-3502
M2667	BWP	E-2474
M2674	BWP	E-2687
M2686	BWP	E-3920
M2694	BWP	E-3522
M2696	BWP	E-3417
M2699	BWP	E-2801
M30B	BWP	E-5838
M3189	BWP	E-5503
M3191	BWP	E-5528
M319A	BWP	E-5303A
M3212	BWP	E-5976
M3213	BWP	E-6053
M-3233	BWP	E-9062
M-3266	BWP	E-9837
M3299	BWP	E-6139
M3350	BWP	E-5126
M3391	BWP	E-6142
M3434	BWP	E-3975
M3626	BWP	E-6057-R
M3627	BWP	E-6057-L
M3634	BWP	E-9005-L
M3635	BWP	E-9005-R
M3636	BWP	E-9004-R
M-3637	BWP	E-9004-L
M-3638	BWP	E-9002-R
M3639	BWP	E-9002-L
M3824	BWP	E-7450
M-3824	BWP	E-7450
M-3825	BWP	E-8927
M-3826	BWP	E-7451
M-3906	BWP	E-9006
M-3907	BWP	E-9007
M-3940	BWP	E-8958-L

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M-3941	BWP	E-8958-R
M-3948	BWP	E-8954-R
M-3949	BWP	E-8954-L
M-3954	BWP	E-9003-R
M-3955	BWP	E-9003-L
M41	BWP	E-4990A
M503	BWP	E-2393
M504	BWP	E-2394
M534	BWP	E583X
M534A	BWP	E-635X
M534B	BWP	E-636X
M534C	BWP	E-628X
M534D	BWP	E-797X
M534E	BWP	E-798X
M534F	BWP	E-911X
M534G	BWP	E-912X
M534H	BWP	E-913X
M534J	BWP	E-914X
M534K	BWP	E-915X
M534L	BWP	E-916X
M535	BWP	E-633X
M535K	BWP	E-917X
M536	BWP	E-634X
M536K	BWP	E-918X
M538	BWP	E-541
M649	BWP	E-617
M650	BWP	E-619
M651	BWP	E-620
M680	BWP	E-618
M683	BWP	E-573
M-683	BWP	E-573
M698	BWP	E-700
M767	BWP	E-975
M-770	BWP	E-702A
M801	BWP	E-2687
M843	BWP	E-3975
M974	BWP	E-4951
101250	Conmet	E-A3-4734
101251	Conmet	E-A3-4734
100329	Conmet	E-10200-L
100330	Conmet	E-10200-R
102279	Conmet	E-10208-L
102280	Conmet	E-10208-R
102277	Conmet	E-10209-L
102278	Conmet	E-10209-R
102281	Conmet	E-10210-L
102282	Conmet	E-10210-R
102188	Conmet	E-10215

PART NO.	COMPETITOR	EUCLID NO.
102189	Conmet	E-10216
102190	Conmet	E-10217
102033	Conmet	E-10218
102290	Conmet	E-10219
102291	Conmet	E-10220
102292	Conmet	E-10221
103193	Conmet	E-10222
101873	Conmet	E-10225-L
101874	Conmet	E-10225-R
102084	Conmet	E-10226-L
102085	Conmet	E-10226-R
103189	Conmet	E-10227-L
103190	Conmet	E-10227-R
103191	Conmet	E-10228-L
103192	Conmet	E-10228-R
100383	Conmet	E-5872
100527	Conmet	E-5930-L
100526	Conmet	E-5930-R
100524	Conmet	E-5989-L
100525	Conmet	E-5989-R
101171	Conmet	E-6001A
100117	Conmet	E-6023-L
100118	Conmet	E-6023-R
100257	Conmet	E-6024-L
100256	Conmet	E-6024-R
100012	Conmet	E-6026-L
100013	Conmet	E-6026-R
100254	Conmet	E-6027-L
100255	Conmet	E-6027-R
100225	Conmet	E-6028-L
100372	Conmet	E-6028-L
100226	Conmet	E-6028-R
100372/3	Conmet	E-6028-R
100373	Conmet	E-6028-R
101151	Conmet	E-6029A
101150	Conmet	E-6030A
100368	Conmet	E-6058-L
100369	Conmet	E-6058-R
100370	Conmet	E-6059-L
100371	Conmet	E-6059-R
100146	Conmet	E-8950-L
100149	Conmet	E-8950-L
100264	Conmet	E-8950-L
100148	Conmet	E-8950-R
100265	Conmet	E-8950-R
100343	Conmet	E-8951-L
100344	Conmet	E-8951-R
101773	Conmet	E-8952-L

PART NO.	COMPETITOR	EUCLID NO.
101774	Conmet	E-8952-R
10041905	Conmet	SET413
10041935	Conmet	SET414
10041945	Conmet	SET415
CA4201	Crewson Brunner	E-4904S
CA4202	Crewson Brunner	E-4904S
CB24100	Crewson Brunner	E-6987B
CB24102	Crewson Brunner	E-6987B
CI24100	Crewson Brunner	E-6987B
CB24300	Crewson Brunner	E-6988B
CI24300	Crewson Brunner	E-6988B
CB25100	Crewson Brunner	E-6989B
CB25102	Crewson Brunner	E-6989B
CI25100	Crewson Brunner	E-6989B
CB25300	Crewson Brunner	E-6990B
CI25300	Crewson Brunner	E-6990B
CB21103	Crewson Brunner	E-6991B
CI21103	Crewson Brunner	E-6991B
CB21102	Crewson Brunner	E-6992B
CI21102	Crewson Brunner	E-6992B
CB22103	Crewson Brunner	E-6993B
CI22103	Crewson Brunner	E-6993B
CB22102	Crewson Brunner	E-6994B
CI22102	Crewson Brunner	E-6994B
CB23106	Crewson Brunner	E-6995B
CI23103	Crewson Brunner	E-6995B
CB23102	Crewson Brunner	E-6996B
CI23102	Crewson Brunner	E-6996B
CA1202	Crewson Brunner	E-940S-BK

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
CB42100	Crewson Brunner	E-10779A
CI42100	Crewson Brunner	E-10779A
CB41100	Crewson Brunner	E-10780A
CI41100	Crewson Brunner	E-10780A
CB42106	Crewson Brunner	E-10781A
CI42106	Crewson Brunner	E-10781A
CB41106	Crewson Brunner	E-10782A
CI41106	Crewson Brunner	E-10782A
CB43106	Crewson Brunner	E-10783A
CI43106	Crewson Brunner	E-10783A
CB34100	Crewson Brunner	E-10784A
CI34100	Crewson Brunner	E-10784A
CB72100	Crewson Brunner	E-10785A
CI72100	Crewson Brunner	E-10785A
CB72106	Crewson Brunner	E-10788A
CI72106	Crewson Brunner	E-10788A
CB22123	Crewson Brunner	E-10949B
CI22153	Crewson Brunner	E-10949B
22123	Crewson Brunner	E-10949B
CB21123	Crewson Brunner	E-10950B
CI21153	Crewson Brunner	E-10950B
21123	Crewson Brunner	E-10950B
CI42101	Crewson Brunner	E-11873
CI35100	Crewson Brunner	E-11877
CI35200	Crewson Brunner	E-11879
CI34200	Crewson Brunner	E-11880
8410KTA	Crewson Brunner	E-11881

PART NO.	COMPETITOR	EUCLID NO.
8420KT	Crewson Brunner	E-11882
8410KT	Crewson Brunner	E-11883
8415KT	Crewson Brunner	E-11884
8425KT	Crewson Brunner	E-11885
8420KTA	Crewson Brunner	E-11890
CI21106	Crewson Brunner	E-11916
CA3206	Crewson Brunner	E-1574S-BK
CA1296	Crewson Brunner	E-2091
CA2200	Crewson Brunner	E-2458S
CA2200	Crewson Brunner	E-2458S-BK
CA2202	Crewson Brunner	E-2459S-BK
CA1200	Crewson Brunner	E-612S-BK
CA5201	Crewson Brunner	E-9102
E9602	Crewson Brunner	E-9102
8110	Crewson Brunner	E-9132
8120	Crewson Brunner	E-9133
8125	Crewson Brunner	E-9135
10399	Dana	E-4904S
10-399-BULK	Dana	E-4904S
50-1020L	Dana	E-10200-L
50-1020-R	Dana	E-10200-R
501084R	Dana	E-10224-R
50-1115	Dana	E-10229
63-1A	Dana	E-10244
501098R	Dana	E-10249-L
501098L	Dana	E-10249-R
M10WJ155	Dana	E-1025
11528	Dana	E-1025
19858	Dana	E-1025
M10HN128	Dana	E-1087
M12WKL25-206	Dana	E-10901
17-403	Dana	E-10901
M12WKR25-206	Dana	E-10902
17-402	Dana	E-10902
M12WKL25-214	Dana	E-10903

PART NO.	COMPETITOR	EUCLID NO.
17-415	Dana	E-10903
M12WKR25-214	Dana	E-10904
17-414	Dana	E-10904
M12WKL25-233	Dana	E-10905
17-417	Dana	E-10905
M12WKR25-233	Dana	E-10906
17-416	Dana	E-10906
M12WKL25-241	Dana	E-10907
17-419	Dana	E-10907
M12WKR25-241	Dana	E-10908
17-418	Dana	E-10908
M16WKL25-242	Dana	E-10909
17-931	Dana	E-10909
M16-WKR25-242	Dana	E-10910
17-930	Dana	E-10910
M10HN154	Dana	E-1106
11527	Dana	E-1106
34-1535	Dana	E-1106
12052	Dana	E-1107
34-1536	Dana	E-1107
500371-8	Dana	E-1107
351580	Dana	E-1113
21933	Dana	E-1139
4602RW	Dana	E-1139
4602S	Dana	E-1139
18810	Dana	E-1147C
18811	Dana	E-1148C
M16WKL25227	Dana	E-11856
M16WKR25-227	Dana	E-11857
M16WKL25-231	Dana	E-11858
M16WKR25231	Dana	E-11859
M16WKL25264	Dana	E-11860
M16WKR25264	Dana	E-11861
M16WKL25304	Dana	E-11862
M16WKR25304	Dana	E-11863
331489	Dana	E-11939
331487	Dana	E-11940
331488	Dana	E-11940
12398	Dana	E-1251
12397	Dana	E-1252
12396	Dana	E-1253
11004	Dana	E-1269
351582	Dana	E-1269
281253	Dana	E-1271
281267	Dana	E-1272
29-1267	Dana	E-1272
11526	Dana	E-1289

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
TA55A	Dana	E-1308Q
08130122	Dana	E-1357A
437036	Dana	E-1357A
271199	Dana	E-1385
17682	Dana	E-1393
17683	Dana	E-1394
19866	Dana	E-1400
19864	Dana	E-1402
15540	Dana	E-1403
321429	Dana	E-1406
11593	Dana	E-1410
17684	Dana	E-1410
11594	Dana	E-1411
17685	Dana	E-1411
291266	Dana	E-1416A
19859	Dana	E-1418
17694	Dana	E-1420
M12WK101-19	Dana	E-1421
17695	Dana	E-1421
M12WK100-17	Dana	E-1422
17690	Dana	E-1422
M12WK101-17	Dana	E-1423
17691	Dana	E-1423
11238	Dana	E-1424A
17580	Dana	E-1424A
11239	Dana	E-1425A
17581	Dana	E-1425A
11004	Dana	E-1426
19854	Dana	E-1428A
21938	Dana	E-1457
12-403	Dana	E-1559
12-402	Dana	E-1561
17621	Dana	E-1563
17620	Dana	E-1564
291322	Dana	E-1565
281237	Dana	E-1567
271198	Dana	E-1571
10367	Dana	E-1574HD
10-367-BULK	Dana	E-1574HD
271194	Dana	E-1577A
341531	Dana	E-1581
M16WJ121	Dana	E-1582
321430	Dana	E-1582
19863	Dana	E-1583
18808	Dana	E-1773C
18809	Dana	E-1774C
18738	Dana	E-1775
18739	Dana	E-1776

PART NO.	COMPETITOR	EUCLID NO.
291320	Dana	E-1781
291321	Dana	E-1782
M10WJ102	Dana	E-1808
231027	Dana	E-1808
TA-161A	Dana	E-1816SHD
11227	Dana	E-1880B
M10HP103	Dana	E-2029
15538	Dana	E-2029
M10LK105X	Dana	E-2030HD
TA42A	Dana	E-2030HD
437044	Dana	E-2088A
08130800	Dana	E-2089
43-7042	Dana	E-2089
437039	Dana	E-2090
2134	Dana	E-2096
17623	Dana	E-2099
17622	Dana	E-2100
11528	Dana	E-2101
M10WJ107	Dana	E-2102
M10WJ212X	Dana	E-2102
271195	Dana	E-2102
M12WH112	Dana	E-2103
M12WH112X	Dana	E-2103
M16WH101X	Dana	E-2104
M16WH113X	Dana	E-2104
30-1357	Dana	E-2104
TA18A	Dana	E-2121
437038	Dana	E-2122
08135100	Dana	E-2125
437041	Dana	E-2125
TA40A	Dana	E-2126
12399	Dana	E-2128
11509	Dana	E-2176
M10HN151	Dana	E-2237
12-394	Dana	E-2237
TA41A	Dana	E-2286
M16KY100	Dana	E-2287
08132100	Dana	E-2287
437032	Dana	E-2287
43-7035	Dana	E-2287
28-1255	Dana	E-2291
12426	Dana	E-2296
12424	Dana	E-2297
12425	Dana	E-2298
12423	Dana	E-2299
12428	Dana	E-2301
12417	Dana	E-2303
12418	Dana	E-2304

PART NO.	COMPETITOR	EUCLID NO.
12419	Dana	E-2305
12-406	Dana	E-2306
7280	Dana	E-2340
271197	Dana	E-2361
30-1385	Dana	E-2365
16564	Dana	E-2389
M10WJ108	Dana	E-2390
15-537	Dana	E-2390
M10HM136	Dana	E-2391
M10HN136	Dana	E-2391
35-1581	Dana	E-2391
M10HR104	Dana	E-2392
341527	Dana	E-2392
M10HD101	Dana	E-2395
32-1445	Dana	E-2395
M10WJ116	Dana	E-2396
32-1446	Dana	E-2396
M10WJ119	Dana	E-2399
20882	Dana	E-2399
08107500	Dana	E-2403HD
45A	Dana	E-2403HD
M10HS115	Dana	E-2404
29-1319	Dana	E-2404
291271	Dana	E-2405
281275	Dana	E-2406
29-1275	Dana	E-2406
281240	Dana	E-2407
281241	Dana	E-2408
M10HS117	Dana	E-2409
29-1326	Dana	E-2409
291312	Dana	E-2411A
291327	Dana	E-2411A
M16WK103-13	Dana	E-2412A
17578	Dana	E-2412A
M16WK10313	Dana	E-2412A
M16WK102-13	Dana	E-2413A
17579	Dana	E-2413A
12412	Dana	E-2421
7-284	Dana	E-2431
7-283	Dana	E-2434
7-276	Dana	E-2436
7-278	Dana	E-2437
17627	Dana	E-2441B
17626	Dana	E-2442B
17629	Dana	E-2443B
17628	Dana	E-2444B
17631	Dana	E-2445B
17630	Dana	E-2446B

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
17641	Dana	E-2447A
17640	Dana	E-2448A
17633	Dana	E-2449A
17632	Dana	E-2450A
17643	Dana	E-2451A
17642	Dana	E-2452A
10368	Dana	E-2459HD
10-368HD	Dana	E-2459HD
12-436	Dana	E-2460
06471	Dana	E-2461
12-435	Dana	E-2461
12-439	Dana	E-2463
12-438	Dana	E-2464
12-437	Dana	E-2465
12-441	Dana	E-2467
12-440	Dana	E-2468
M12KY202	Dana	E-2469
08132300	Dana	E-2469
19-874	Dana	E-2475
271200	Dana	E-2477B
301368	Dana	E-2477B
30-1373	Dana	E-2477B
18804	Dana	E-2478B
18805	Dana	E-2479B
17-699	Dana	E-2493
43-7040	Dana	E-2494
M10WJ100	Dana	E-2517
11109	Dana	E-2517
271191	Dana	E-2517
M12KY100	Dana	E-2526
437031	Dana	E-2526
12-400	Dana	E-2550
281260	Dana	E-2551
12431	Dana	E-2660
28-1243	Dana	E-2670
M10KY100	Dana	E-2680
08132111	Dana	E-2680
437030	Dana	E-2680
2138	Dana	E-2681A
21935	Dana	E-2689
4615RW	Dana	E-2689
281238	Dana	E-2690A
17635	Dana	E-2693
17634	Dana	E-2694
271196	Dana	E-2695
08136400	Dana	E-2696A
437043	Dana	E-2696A
18806	Dana	E-2700B

PART NO.	COMPETITOR	EUCLID NO.
18807	Dana	E-2701B
29-1282	Dana	E-2717
29-1306	Dana	E-2720
29-1331	Dana	E-2733
50-2A	Dana	E-2740
M16WJ101	Dana	E-2767
19860	Dana	E-2767
19875	Dana	E-2785
18-740	Dana	E-2786
18-741	Dana	E-2787
M16WK116	Dana	E-2794
M16WK117	Dana	E-2795
M16WK100-12	Dana	E-2796
M16WK110-12	Dana	E-2796
18-726	Dana	E-2799
18-727	Dana	E-2800
TA251A	Dana	E-2820
26A	Dana	E-2821
341532	Dana	E-3007A
341530	Dana	E-3227
291303	Dana	E-3234
53-1A	Dana	E-3291
15550	Dana	E-3424
341549	Dana	E-3426
341552	Dana	E-3427
19895	Dana	E-3437
281263	Dana	E-3447
2291283	Dana	E-3469
291283	Dana	E-3469
291338	Dana	E-3471
291333	Dana	E-3472
291337	Dana	E-3473
291334	Dana	E-3475
291330	Dana	E-3476
291339	Dana	E-3478
19882	Dana	E-3481A
321468	Dana	E-3482
321467	Dana	E-3483
12-453	Dana	E-3501
12-443	Dana	E-3504
12-444	Dana	E-3505
12-445	Dana	E-3506
12-450	Dana	E-3507
12-451	Dana	E-3508
12-452	Dana	E-3509
17700	Dana	E-3516
17701	Dana	E-3517
08130601	Dana	E-3520A

PART NO.	COMPETITOR	EUCLID NO.
18747	Dana	E-3523
18746	Dana	E-3524
47A	Dana	E-3782
HK24XLSHM	Dana	E-3801
16524	Dana	E-3854
17-501	Dana	E-3854
17-503	Dana	E-3856
17-502	Dana	E-3857
TA341A	Dana	E-4515XHD
34A	Dana	E-4515XHD
30-1364	Dana	E-4586
30-1392	Dana	E-4586
TA511A	Dana	E-4691
TA521A	Dana	E-4692
TA66A	Dana	E-4702-KT
18801	Dana	E-4705B
18802	Dana	E-4706B
18803	Dana	E-4707B
18812	Dana	E-4708B
18813	Dana	E-4709B
18818	Dana	E-4710B
18819	Dana	E-4711B
16469	Dana	E-4712
17570	Dana	E-4712
16470	Dana	E-4713
17571	Dana	E-4713
17573	Dana	E-4714A
17-572	Dana	E-4715A
16395	Dana	E-4716
16396	Dana	E-4717
M16WK10388	Dana	E-4718
M16WK10288	Dana	E-4719
17-636	Dana	E-4720
17-637	Dana	E-4721
17638	Dana	E-4722
17639	Dana	E-4723
31-1402	Dana	E-4738A
18743	Dana	E-4740
18742	Dana	E-4741
19921	Dana	E-4800
51-1AK	Dana	E-4800
M16WK102-23	Dana	E-4884
16408	Dana	E-4884
M16WK103-23	Dana	E-4885
16407	Dana	E-4885
541620	Dana	E-4953
H504400	Dana	E-4955
53-1514	Dana	E-4955

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
53-1502	Dana	E-4957
341551	Dana	E-4961A
50-1120L	Dana	E-4964-L
50-1120R	Dana	E-4964-R
50-1123R	Dana	E-4966-R
501127L	Dana	E-4967-L
501127R	Dana	E-4967-R
51-1025R	Dana	E-4976-R
53-1525	Dana	E-4987A
50-1201L	Dana	E-4988-L
50-1201R	Dana	E-4988-R
M10SS100	Dana	E-501
321440	Dana	E-501
53-1540	Dana	E-5012
53-1555	Dana	E-5018
M10WJ160	Dana	E-502
11007	Dana	E-502
11090	Dana	E-502
15-531	Dana	E-502
15532	Dana	E-502
541641	Dana	E-5032
52-1304	Dana	E-5040A
52-1305	Dana	E-5044
341547	Dana	E-5093
11093	Dana	E-512
291301	Dana	E-526
M10WJ150	Dana	E-5305
11008	Dana	E-536
11004	Dana	E-537
351576	Dana	E-537
11006	Dana	E-538
11229	Dana	E-539
12391	Dana	E-540
19878	Dana	E-543
M10WJ154	Dana	E-544
11227	Dana	E-545A
27A	Dana	E-5499
40932422	Dana	E-5510
11008	Dana	E-5512
281233	Dana	E-5512
17-513	Dana	E-5522
17-512	Dana	E-5523
50-1008L	Dana	E-5551-L
50-1008R	Dana	E-5551-R
51-1017R	Dana	E-5554-R
5011101R	Dana	E-5558-R
11238	Dana	E-556
11239	Dana	E-557

PART NO.	COMPETITOR	EUCLID NO.
52-1300	Dana	E-5570
52-1301	Dana	E-5571A
52-1306	Dana	E-5572A
52-1331	Dana	E-5573
511015L	Dana	E-5576-L
511015R	Dana	E-5576-R
50-1200L	Dana	E-5587-L
50-1202L	Dana	E-5588-L
50-1202R	Dana	E-5588-R
501064L	Dana	E-5589-L
501064R	Dana	E-5589-R
50-1321R	Dana	E-5612-R
501205L	Dana	E-5618-L
501205R	Dana	E-5618-R
M10HN153	Dana	E-563
11005	Dana	E-563
351577	Dana	E-563
50-1225	Dana	E-5632
M10HN139	Dana	E-564
291309	Dana	E-564
511013L	Dana	E-5652-L
511013R	Dana	E-5652-R
50-1110	Dana	E-5682
50-1111	Dana	E-5683
51-1031	Dana	E-5704
53-1306	Dana	E-5706
50-1061L	Dana	E-5713-L
50-1061R	Dana	E-5713-R
501062L	Dana	E-5714-L
501062R	Dana	E-5714-R
50-1067L	Dana	E-5715-L
50-1067R	Dana	E-5715-R
50-1063L	Dana	E-5716-L
50-1063R	Dana	E-5716-R
50-1066L	Dana	E-5717-L
50-1066R	Dana	E-5717-R
501160L	Dana	E-5718-L
501160R	Dana	E-5718-R
501161L	Dana	E-5719-L
501161R	Dana	E-5719-R
12393	Dana	E-572
501164L	Dana	E-5720-L
501164R	Dana	E-5720-R
50-1173L	Dana	E-5722-L
50-1113	Dana	E-5724
53-1511	Dana	E-5726
53-1513	Dana	E-5727
53-1517	Dana	E-5728

PART NO.	COMPETITOR	EUCLID NO.
511030	Dana	E-5734
541630	Dana	E-5737
54-1633	Dana	E-5739
541635	Dana	E-5740
54-1636	Dana	E-5742
501082L	Dana	E-5748-L
501082R	Dana	E-5748-R
501085L	Dana	E-5750-L
501085R	Dana	E-5750-R
50-1134L	Dana	E-5756-L
50-1134R	Dana	E-5756-R
53-1551	Dana	E-5761
50-1121L	Dana	E-5764-L
50-1133L	Dana	E-5765-L
50-1126	Dana	E-5775
541602	Dana	E-5796
54-1607	Dana	E-5799
291307	Dana	E-580
54-1619	Dana	E-5801
291308	Dana	E-581
50-1112	Dana	E-5816
52-1379	Dana	E-5820
52-1378	Dana	E-5822
52-1377	Dana	E-5823
52-1405	Dana	E-5824
52-1407	Dana	E-5825
52-1369	Dana	E-5837
50-1095L	Dana	E-5868-L
50-1095R	Dana	E-5868-R
50-1137L	Dana	E-5869-L
50-1137R	Dana	E-5869-R
50-1124L	Dana	E-5870-L
501181L	Dana	E-5871-L
501181R	Dana	E-5871-R
54-1621	Dana	E-5872
541621	Dana	E-5872
52-1390	Dana	E-5883
52-1385	Dana	E-5885
53-1530	Dana	E-5887
52-1422	Dana	E-5890
52-1423	Dana	E-5891
51-1029	Dana	E-5892
501080L	Dana	E-5897-L
501080R	Dana	E-5897-R
501089L	Dana	E-5898-L
501089R	Dana	E-5898-R
501088L	Dana	E-5899-L
501088R	Dana	E-5899-R

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
501163R	Dana	E-5900-L
501163L	Dana	E-5900-R
52-1337	Dana	E-5904A
52-1335	Dana	E-5906
501183L	Dana	E-5909-L
501183R	Dana	E-5909-R
501165L	Dana	E-5910-L
501165R	Dana	E-5910-R
501162L	Dana	E-5911-L
501162R	Dana	E-5911-R
501251L	Dana	E-5916-L
501251R	Dana	E-5916-R
501253L	Dana	E-5923-L
501253R	Dana	E-5923-R
501250L	Dana	E-5924-L
501250R	Dana	E-5924-R
50-1028L	Dana	E-5929-L
50-1028R	Dana	E-5929-R
50-1029L	Dana	E-5930-L
50-1026L	Dana	E-5931-L
50-1026R	Dana	E-5931-R
50-1025L	Dana	E-5932-L
50-1025R	Dana	E-5932-R
50-1027L	Dana	E-5933-L
50-1027R	Dana	E-5933-R
541618	Dana	E-5947
541638	Dana	E-5960
54-1640	Dana	E-5961
54-1644	Dana	E-5964
321442	Dana	E-596A
54-1648	Dana	E-5972
54-1651	Dana	E-5972
511012L	Dana	E-5977-L
511012LBULK	Dana	E-5977-L-BK
511012R	Dana	E-5977-R
511012R BULK	Dana	E-5977-R-BK
50-1097L	Dana	E-5982-L
50-1097R	Dana	E-5982-R
50-1185L	Dana	E-5983-L
50-1185R	Dana	E-5983-R
501096L	Dana	E-5985-L
501096R	Dana	E-5985-R
50-1087L	Dana	E-5986-L
50-1087R	Dana	E-5986-R
511003L	Dana	E-5988-L
511003R	Dana	E-5988-R
50-1021L	Dana	E-5989-L
50-1021R	Dana	E-5989-R

PART NO.	COMPETITOR	EUCLID NO.
51-1032	Dana	E-5991
51-1033	Dana	E-6000A
M10WJ182	Dana	E-602
28-1258	Dana	E-602
50-1012L	Dana	E-6023-L
50-1012R	Dana	E-6023-R
50-1260L	Dana	E-6026-L
50-1260R	Dana	E-6026-R
50-1261L	Dana	E-6028-L
50-1261R	Dana	E-6028-R
50-1147	Dana	E-6029A
52-1368	Dana	E-6054
50-1263L	Dana	E-6058-L
50-1263R	Dana	E-6058-R
50-1264L	Dana	E-6059-L
50-1264R	Dana	E-6059-R
511014L	Dana	E-6060-L
51-1014R	Dana	E-6060-R
08130610	Dana	E-6078
M10HH134	Dana	E-654
291270	Dana	E-654
291281	Dana	E-654
11009	Dana	E-656
M10WJ178	Dana	E-661
11019	Dana	E-661
281257	Dana	E-661
16656	Dana	E-6884
16655	Dana	E-6885
281246	Dana	E-712
M16WK102-29	Dana	E-7217
17-591	Dana	E-7217
M16WK103-29	Dana	E-7218
17-590	Dana	E-7218
17-593	Dana	E-7219
17-592	Dana	E-7220
M16WJ102	Dana	E-747
11228	Dana	E-747
20881	Dana	E-747
19862	Dana	E-757
281232	Dana	E-759
12200	Dana	E-773
341540	Dana	E-773
500539-5	Dana	E-773
511005L	Dana	E-7895-L
511005R	Dana	E-7895-R
511006L	Dana	E-7896-L
511006R	Dana	E-7896-R
511007L	Dana	E-7897-L

PART NO.	COMPETITOR	EUCLID NO.
511007R	Dana	E-7897-L
511008L	Dana	E-7898-L
511008R	Dana	E-7898-R
31624	Dana	E-801
341525	Dana	E-801
M16HD100	Dana	E-807
M16HD100X	Dana	E-807
281231	Dana	E-807
50-1155L	Dana	E-8992-L
50-1155R	Dana	E-8992-R
50-1156R	Dana	E-8993-R
50-1152L	Dana	E-8994-L
50-1152R	Dana	E-8994-R
50-1092L	Dana	E-8995-L
50-1092R	Dana	E-8995-R
501093L	Dana	E-9001-L
501093R	Dana	E-9001-R
52-1431	Dana	E-9023
19913	Dana	E-9069
08130611	Dana	E-9079HD
17585	Dana	E-9089
17584	Dana	E-9090
291305	Dana	E-910
291315	Dana	E-910
16562	Dana	E-919
16561	Dana	E-920
19910	Dana	E-9643
18825	Dana	E-9649
18824	Dana	E-9650
18827	Dana	E-9655
18826	Dana	E-9656
18829	Dana	E-9657
18828	Dana	E-9658
18831	Dana	E-9659
18830	Dana	E-9660
18833	Dana	E-9661
18832	Dana	E-9662
18837	Dana	E-9669
18836	Dana	E-9670
18821	Dana	E-9671
18820	Dana	E-9672
18835	Dana	E-9675
18834	Dana	E-9676
M12WK107-1	Dana	E-9743
M12WK106-1	Dana	E-9744
M12WK107-7	Dana	E-9745
M12WK107-13	Dana	E-9747
M12WK106-13	Dana	E-9748

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M16WHR50-L	Dana	E-9787A
M16WHR50-R	Dana	E-9788A
M16D106	Dana	E-9789
08132800	Dana	E-9790A
08132803	Dana	E-9790A
08130301	Dana	E-9791HD
M10WJ237X	Dana	E-9792A
10287	Dana	E-573
12461	Dana	E-618
21932	Dana	E-2394
21-915	Dana	E-2801
21-926	Dana	E-2474
34-1546	Dana	E-3975
4524P	Dana	E-2687
4591S	Dana	E-2394
4692FC	Dana	E-5303A
48-2201	Dana	E-700
51-1403	Dana	E-6053
52-1358	Dana	E-5974
52-1380	Dana	E-5781
52-1382	Dana	E-5821
52-1392	Dana	E-5827
52-1394	Dana	E-5828
52-1410	Dana	E-5953
52-1430	Dana	E-5902
52-1436	Dana	E-5838
52-1441	Dana	E-5926
53-1539	Dana	E-4990A
M10HN107	Dana	E-618
M12WS122X	Dana	E-2393
M12WS127	Dana	E-2394
M12WS129X	Dana	E-5303A
M12WS149X	Dana	E-5303A
05-214	Dayton Parts Batco	E-4904S
05-570	Dayton Parts Batco	E-6987B
05-570	Dayton Parts Batco	E-6988B
05-572	Dayton Parts Batco	E-6989B
05-572	Dayton Parts Batco	E-6990B
05-560	Dayton Parts Batco	E-6991B
05-561	Dayton Parts Batco	E-6992B
05-562	Dayton Parts Batco	E-6993B

PART NO.	COMPETITOR	EUCLID NO.
05-563	Dayton Parts Batco	E-6994B
05-564	Dayton Parts Batco	E-6995B
05-565	Dayton Parts Batco	E-6996B
01-3864	Dayton Parts Batco	E-10197
01-3481	Dayton Parts Batco	E-10198
13-1903	Dayton Parts Batco	E-10229
13-1905	Dayton Parts Batco	E-10230
13-3053	Dayton Parts Batco	E-10234
13-3114	Dayton Parts Batco	E-10235
13-7118	Dayton Parts Batco	E-10238
13-1623L	Dayton Parts Batco	E-10249-L
13-1623R	Dayton Parts Batco	E-10249-R
01-364	Dayton Parts Batco	E-1025
13-3130L	Dayton Parts Batco	E-10253-L
13-3130R	Dayton Parts Batco	E-10253-R
11-0255	Dayton Parts Batco	E-1046
08-104999	Dayton Parts Batco	E-10756
08-104900	Dayton Parts Batco	E-10756
08-105000	Dayton Parts Batco	E-10757
08-114920	Dayton Parts Batco	E-10760
04-329	Dayton Parts Batco	E-10800
13-7224	Dayton Parts Batco	E-10828
04861122	Dayton Parts Batco	E-10899
04861121	Dayton Parts Batco	E-10900
04562412	Dayton Parts Batco	E-10909
04562411	Dayton Parts Batco	E-10910
04-391352	Dayton Parts Batco	E-10911

PART NO.	COMPETITOR	EUCLID NO.
04-391351	Dayton Parts Batco	E-10912
05-552	Dayton Parts Batco	E-10949B
04-572352	Dayton Parts Batco	E-1095
01-493	Dayton Parts Batco	E-1106
01-497	Dayton Parts Batco	E-1107
02-125	Dayton Parts Batco	E-1108
01-472	Dayton Parts Batco	E-1113
07-900	Dayton Parts Batco	E-1128
07-213	Dayton Parts Batco	E-1136
07-212	Dayton Parts Batco	E-1137
07-107	Dayton Parts Batco	E-1139
02-257	Dayton Parts Batco	E-11449
08-130311	Dayton Parts Batco	E-11450
08-130311	Dayton Parts Batco	E-11450HD
04-461031	Dayton Parts Batco	E-11536
04-461032	Dayton Parts Batco	E-11537
04-481051	Dayton Parts Batco	E-11540
04-481052	Dayton Parts Batco	E-11541
04-461512	Dayton Parts Batco	E-11579
04-562302	Dayton Parts Batco	E-11858
04-562301	Dayton Parts Batco	E-11859
04-562632	Dayton Parts Batco	E-11860
04-562631	Dayton Parts Batco	E-11861
04-851122	Dayton Parts Batco	E-11864
04-851121	Dayton Parts Batco	E-11865
04-871122	Dayton Parts Batco	E-11866
04-871121	Dayton Parts Batco	E-11867

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
031451HD	Dayton Parts Batco	E-11897
08-132803	Dayton Parts Batco	E-11910
07-181	Dayton Parts Batco	E-11950
08-114700	Dayton Parts Batco	E-11981
05-134	Dayton Parts Batco	E-11984
12-40301	Dayton Parts Batco	E-11989
12-40304	Dayton Parts Batco	E-11990
05-126	Dayton Parts Batco	E-11992
07-574	Dayton Parts Batco	E-1214
07-587	Dayton Parts Batco	E-1215
07-585	Dayton Parts Batco	E-1216
07-586	Dayton Parts Batco	E-1217
07-590	Dayton Parts Batco	E-1218
07-595	Dayton Parts Batco	E-1230
11-1831	Dayton Parts Batco	E-1250
06-221	Dayton Parts Batco	E-1253
07-151	Dayton Parts Batco	E-1261
07-906	Dayton Parts Batco	E-1262
01-462	Dayton Parts Batco	E-1269
02-231	Dayton Parts Batco	E-1271
02-306	Dayton Parts Batco	E-1272
01-496	Dayton Parts Batco	E-1289
01-224	Dayton Parts Batco	E-1302
01-222	Dayton Parts Batco	E-1304
01-265	Dayton Parts Batco	E-1305
334-475	Dayton Parts Batco	E-1307
08-111300	Dayton Parts Batco	E-1308E

PART NO.	COMPETITOR	EUCLID NO.
03-213	Dayton Parts Batco	E-1314
03-261	Dayton Parts Batco	E-1319A
01-420	Dayton Parts Batco	E-1337
08-130122	Dayton Parts Batco	E-1357A
11-1830	Dayton Parts Batco	E-1362
03-202	Dayton Parts Batco	E-1385
04-782031	Dayton Parts Batco	E-1393
04-782032	Dayton Parts Batco	E-1394
01-345	Dayton Parts Batco	E-1400
01-432	Dayton Parts Batco	E-1403
01-225	Dayton Parts Batco	E-1406
04-306	Dayton Parts Batco	E-1408
04-612121	Dayton Parts Batco	E-1410
04-612122	Dayton Parts Batco	E-1411
02-312	Dayton Parts Batco	E-1416
02-304	Dayton Parts Batco	E-1416A
01-348	Dayton Parts Batco	E-1418
04-612401	Dayton Parts Batco	E-1420
04-612402	Dayton Parts Batco	E-1421
04-612321	Dayton Parts Batco	E-1422
04-612322	Dayton Parts Batco	E-1423
01-349	Dayton Parts Batco	E-1428A
08-104900	Dayton Parts Batco	E-14539
07-136	Dayton Parts Batco	E-1458
04-932422	Dayton Parts Batco	E-14820
04-932421	Dayton Parts Batco	E-14821
04-931732	Dayton Parts Batco	E-14822

PART NO.	COMPETITOR	EUCLID NO.
04-931731	Dayton Parts Batco	E-14823
04-922042	Dayton Parts Batco	E-14824
04-932041	Dayton Parts Batco	E-14825
07-605	Dayton Parts Batco	E-1486
04-811622	Dayton Parts Batco	E-1563
04-811621	Dayton Parts Batco	E-1564
04-304	Dayton Parts Batco	E-1565
02-220	Dayton Parts Batco	E-1567
04-315	Dayton Parts Batco	E-1569
03-206	Dayton Parts Batco	E-1571
05-264	Dayton Parts Batco	E-1574HD
03-207	Dayton Parts Batco	E-1577A
01-130	Dayton Parts Batco	E-1581
01-310	Dayton Parts Batco	E-1581
01-227	Dayton Parts Batco	E-1582
01-350	Dayton Parts Batco	E-1583
11-1941	Dayton Parts Batco	E-1597A
13-1568	Dayton Parts Batco	E-17001
04-451121	Dayton Parts Batco	E-1773C
04-451122	Dayton Parts Batco	E-1774C
04-371151	Dayton Parts Batco	E-1775
04-371152	Dayton Parts Batco	E-1776
04-308	Dayton Parts Batco	E-1781
04-307	Dayton Parts Batco	E-1782
04-451031	Dayton Parts Batco	E-1788
04-451032	Dayton Parts Batco	E-1789
08-1072	Dayton Parts Batco	E-1812

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
13-3031	Dayton Parts Batco	E-1828
01-322	Dayton Parts Batco	E-1880B
02-219	Dayton Parts Batco	E-1893
08-190921	Dayton Parts Batco	E-1909
07-931	Dayton Parts Batco	E-2015
01-431	Dayton Parts Batco	E-2029
08-107300	Dayton Parts Batco	E-2030HD
08-130200	Dayton Parts Batco	E-2086B
08-130250	Dayton Parts Batco	E-2086B-2
08-132103	Dayton Parts Batco	E-2087
08-130101	Dayton Parts Batco	E-2088A
08-130101	Dayton Parts Batco	E-2088AHD
08-130800	Dayton Parts Batco	E-2089
08-133100	Dayton Parts Batco	E-2090
08133110	Dayton Parts Batco	E-2090
08-133150	Dayton Parts Batco	E-2090-2
05-250	Dayton Parts Batco	E-2091
05-172	Dayton Parts Batco	E-2096
11-1821	Dayton Parts Batco	E-2098
04-812122	Dayton Parts Batco	E-2099
04-812121	Dayton Parts Batco	E-2100
01-364	Dayton Parts Batco	E-2101
03-208	Dayton Parts Batco	E-2102
03-115	Dayton Parts Batco	E-2103
03-114	Dayton Parts Batco	E-2104
04-772042	Dayton Parts Batco	E-2107
04572042	Dayton Parts Batco	E-2107

PART NO.	COMPETITOR	EUCLID NO.
04-772041	Dayton Parts Batco	E-2108
04572041	Dayton Parts Batco	E-2108
08-100600	Dayton Parts Batco	E-2121
08-100660	Dayton Parts Batco	E-2121HD
08-133101	Dayton Parts Batco	E-2122
08-133151	Dayton Parts Batco	E-2122-2
08-135100	Dayton Parts Batco	E-2125
08-107600	Dayton Parts Batco	E-2126
07-211	Dayton Parts Batco	E-2134
07-210	Dayton Parts Batco	E-2135
07-215	Dayton Parts Batco	E-2136
07-214	Dayton Parts Batco	E-2137
07-152	Dayton Parts Batco	E-2141
07-153	Dayton Parts Batco	E-2142
05-154	Dayton Parts Batco	E-2144
07-554	Dayton Parts Batco	E-2153
07-552	Dayton Parts Batco	E-2155
07-553	Dayton Parts Batco	E-2156
07-601	Dayton Parts Batco	E-2162
07-535	Dayton Parts Batco	E-2163
07-534	Dayton Parts Batco	E-2164
01-234	Dayton Parts Batco	E-2177
07-255	Dayton Parts Batco	E-2192
07-260	Dayton Parts Batco	E-2193
01-509	Dayton Parts Batco	E-2218
07-570	Dayton Parts Batco	E-2281
07-571	Dayton Parts Batco	E-2282

PART NO.	COMPETITOR	EUCLID NO.
08-107700	Dayton Parts Batco	E-2286
08-132100	Dayton Parts Batco	E-2287
08-132150	Dayton Parts Batco	E-2287-2
07-909	Dayton Parts Batco	E-2290
02-218	Dayton Parts Batco	E-2291
06-358	Dayton Parts Batco	E-2299
06-412	Dayton Parts Batco	E-2305
06-205	Dayton Parts Batco	E-2306
05-210	Dayton Parts Batco	E-2307
03-212	Dayton Parts Batco	E-2361
08-130100	Dayton Parts Batco	E-2363
03-119	Dayton Parts Batco	E-2365
02-230	Dayton Parts Batco	E-2380
08-130600	Dayton Parts Batco	E-2382
02-235	Dayton Parts Batco	E-2389
01-417	Dayton Parts Batco	E-2390
01-473	Dayton Parts Batco	E-2391
01-489	Dayton Parts Batco	E-2392
01-223	Dayton Parts Batco	E-2395
01-263	Dayton Parts Batco	E-2396
01-331	Dayton Parts Batco	E-2398
01-318	Dayton Parts Batco	E-2399
01-488	Dayton Parts Batco	E-2401
08-107400	Dayton Parts Batco	E-2402HD
08-107500	Dayton Parts Batco	E-2403HD
04-327	Dayton Parts Batco	E-2404
02-313	Dayton Parts Batco	E-2405

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
02-309	Dayton Parts Batco	E-2406
02-241	Dayton Parts Batco	E-2407
02-242	Dayton Parts Batco	E-2408
04-328	Dayton Parts Batco	E-2409
04-358	Dayton Parts Batco	E-2411A
04-571861	Dayton Parts Batco	E-2412
04-571861	Dayton Parts Batco	E-2412A
04-571862	Dayton Parts Batco	E-2413
04-571862	Dayton Parts Batco	E-2413A
01-413	Dayton Parts Batco	E-2414
13-7116	Dayton Parts Batco	E-2435
04891732	Dayton Parts Batco	E-2441B
04931732	Dayton Parts Batco	E-2441B
04891731	Dayton Parts Batco	E-2442B
04931731	Dayton Parts Batco	E-2442B
04892042	Dayton Parts Batco	E-2443B
04932042	Dayton Parts Batco	E-2443B
04892041	Dayton Parts Batco	E-2444B
04932041	Dayton Parts Batco	E-2444B
04892422	Dayton Parts Batco	E-2445B
04932422	Dayton Parts Batco	E-2445B
04892421	Dayton Parts Batco	E-2446B
04932421	Dayton Parts Batco	E-2446B
04-881732	Dayton Parts Batco	E-2447A
04-881731	Dayton Parts Batco	E-2448A
04-882042	Dayton Parts Batco	E-2449A
04-882041	Dayton Parts Batco	E-2450A

PART NO.	COMPETITOR	EUCLID NO.
04-882422	Dayton Parts Batco	E-2451A
04-882421	Dayton Parts Batco	E-2452A
05-262	Dayton Parts Batco	E-2458HD
05-263	Dayton Parts Batco	E-2459HD
05-263	Dayton Parts Batco	E-2459HD-BK
08-132300	Dayton Parts Batco	E-2469
01-362	Dayton Parts Batco	E-2475
07-137	Dayton Parts Batco	E-2476
03-260	Dayton Parts Batco	E-2477B
04-450861	Dayton Parts Batco	E-2478B
04-450862	Dayton Parts Batco	E-2479B
07-163	Dayton Parts Batco	E-2484
04-782231	Dayton Parts Batco	E-2492
04-782232	Dayton Parts Batco	E-2493
08-136600	Dayton Parts Batco	E-2494
03-210	Dayton Parts Batco	E-2517
05-162	Dayton Parts Batco	E-2518A
07-121	Dayton Parts Batco	E-2522
08-134100	Dayton Parts Batco	E-2526
02-232	Dayton Parts Batco	E-2551
07-524	Dayton Parts Batco	E-2552
11-1880	Dayton Parts Batco	E-2644
11-1887	Dayton Parts Batco	E-2654
11-1886	Dayton Parts Batco	E-2655
11-1888	Dayton Parts Batco	E-2656
06-367	Dayton Parts Batco	E-2660
02-240	Dayton Parts Batco	E-2670

PART NO.	COMPETITOR	EUCLID NO.
08-108110	Dayton Parts Batco	E-2676
08-130111	Dayton Parts Batco	E-2679A
08-132111	Dayton Parts Batco	E-2680
05-171	Dayton Parts Batco	E-2681A
07-105	Dayton Parts Batco	E-2689
02-224	Dayton Parts Batco	E-2690A
04-711952	Dayton Parts Batco	E-2693
04-711951	Dayton Parts Batco	E-2694
03-214	Dayton Parts Batco	E-2695
08-136400	Dayton Parts Batco	E-2696A
04-451051	Dayton Parts Batco	E-2700B
04-451052	Dayton Parts Batco	E-2701B
08-108400	Dayton Parts Batco	E-2713
04-451221	Dayton Parts Batco	E-2714A
04-451222	Dayton Parts Batco	E-2715A
02-317	Dayton Parts Batco	E-2717
01-445	Dayton Parts Batco	E-2722
01-499	Dayton Parts Batco	E-2723
01-392	Dayton Parts Batco	E-2724
01-392	Dayton Parts Batco	E-2725
11-1832	Dayton Parts Batco	E-2739
08-110200	Dayton Parts Batco	E-2740
07-537	Dayton Parts Batco	E-2745
05-135	Dayton Parts Batco	E-2764
01-370	Dayton Parts Batco	E-2767
01-370	Dayton Parts Batco	E-2767-BK
01-369	Dayton Parts Batco	E-2768

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
01-369	Dayton Parts Batco	E-2768-BK
01-377	Dayton Parts Batco	E-2770
01-356	Dayton Parts Batco	E-2785
04-371251	Dayton Parts Batco	E-2786
04-371252	Dayton Parts Batco	E-2787
04-612461	Dayton Parts Batco	E-2792
04-612462	Dayton Parts Batco	E-2793
04-571741	Dayton Parts Batco	E-2794
04-571742	Dayton Parts Batco	E-2795
04-572441	Dayton Parts Batco	E-2796
04-572442	Dayton Parts Batco	E-2797
01-446	Dayton Parts Batco	E-2798
04-370861	Dayton Parts Batco	E-2799
04-370862	Dayton Parts Batco	E-2800
01-215	Dayton Parts Batco	E-2802
01-264	Dayton Parts Batco	E-2803
01-360	Dayton Parts Batco	E-2804
01-361	Dayton Parts Batco	E-2805
08-104230	Dayton Parts Batco	E-2820
08-109600	Dayton Parts Batco	E-2821
13-2951	Dayton Parts Batco	E-2951
01-313	Dayton Parts Batco	E-3007A
06-202	Dayton Parts Batco	E-3008
01-311	Dayton Parts Batco	E-3227
04-319	Dayton Parts Batco	E-3234
08-109900	Dayton Parts Batco	E-3291
08-137000	Dayton Parts Batco	E-3353A

PART NO.	COMPETITOR	EUCLID NO.
08-137100	Dayton Parts Batco	E-3354
08-114401	Dayton Parts Batco	E-3373HD
01-237	Dayton Parts Batco	E-3421A
01-437	Dayton Parts Batco	E-3424
01-487	Dayton Parts Batco	E-3426
01-475	Dayton Parts Batco	E-3427
01-374	Dayton Parts Batco	E-3437
08-136900	Dayton Parts Batco	E-3446
02-233	Dayton Parts Batco	E-3447
08-136800	Dayton Parts Batco	E-3468A
02-316	Dayton Parts Batco	E-3469
04-340	Dayton Parts Batco	E-3471
04-341	Dayton Parts Batco	E-3472
04-339	Dayton Parts Batco	E-3473
04-345	Dayton Parts Batco	E-3475
04-347	Dayton Parts Batco	E-3476
04-334	Dayton Parts Batco	E-3478
04-322	Dayton Parts Batco	E-3479
01-378	Dayton Parts Batco	E-3481A
01-271	Dayton Parts Batco	E-3482
01-238	Dayton Parts Batco	E-3483
08-109300	Dayton Parts Batco	E-3484
01-379	Dayton Parts Batco	E-3490B
07-168	Dayton Parts Batco	E-3492
07-115	Dayton Parts Batco	E-3495
07-187	Dayton Parts Batco	E-3499
01-236	Dayton Parts Batco	E-3511

PART NO.	COMPETITOR	EUCLID NO.
01-371	Dayton Parts Batco	E-3512
01-314	Dayton Parts Batco	E-3513
04-952042	Dayton Parts Batco	E-3516
04-952041	Dayton Parts Batco	E-3517
08130605	Dayton Parts Batco	E-3520A
04-371432	Dayton Parts Batco	E-3523
04-371431	Dayton Parts Batco	E-3524
07-123	Dayton Parts Batco	E-3525
08-109134	Dayton Parts Batco	E-3710HD
01-448	Dayton Parts Batco	E-3711
13-1410L	Dayton Parts Batco	E-3723-L
13-1410R	Dayton Parts Batco	E-3723-R
08-104220	Dayton Parts Batco	E-3801
04-582042	Dayton Parts Batco	E-3854
04-582041	Dayton Parts Batco	E-3855
04-582352	Dayton Parts Batco	E-3856
04-582351	Dayton Parts Batco	E-3857
02-329	Dayton Parts Batco	E-3859
04-812402	Dayton Parts Batco	E-3861
04-812401	Dayton Parts Batco	E-3862
08-111100	Dayton Parts Batco	E-3869
01-451	Dayton Parts Batco	E-3870
01-478	Dayton Parts Batco	E-3871
01-363	Dayton Parts Batco	E-3872
01-380	Dayton Parts Batco	E-3873
01-477	Dayton Parts Batco	E-3874
08-136100	Dayton Parts Batco	E-3876

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
02-244	Dayton Parts Batco	E-3877
02-318	Dayton Parts Batco	E-3878
08-131800	Dayton Parts Batco	E-3993B
07-173	Dayton Parts Batco	E-3994
07-174	Dayton Parts Batco	E-3995
07-230	Dayton Parts Batco	E-3996
07-231	Dayton Parts Batco	E-3997
07-232	Dayton Parts Batco	E-3998
07-233	Dayton Parts Batco	E-3999
08-100300	Dayton Parts Batco	E-4515P
4515Q30	Dayton Parts Batco	E-4515QHD-N
08-109100	Dayton Parts Batco	E-4515X
03-273	Dayton Parts Batco	E-4586
03-272	Dayton Parts Batco	E-4587
04-450811	Dayton Parts Batco	E-4706B
04-450812	Dayton Parts Batco	E-4707B
04-451561	Dayton Parts Batco	E-4710B
04-451562	Dayton Parts Batco	E-4711B
04-318	Dayton Parts Batco	E-4736
03-146	Dayton Parts Batco	E-4737A
03-147	Dayton Parts Batco	E-4738A
03-168	Dayton Parts Batco	E-4739
04-371352	Dayton Parts Batco	E-4740
04-371351	Dayton Parts Batco	E-4741
01-390	Dayton Parts Batco	E-4800
04-572302	Dayton Parts Batco	E-4884
04-572301	Dayton Parts Batco	E-4885

PART NO.	COMPETITOR	EUCLID NO.
04-371052	Dayton Parts Batco	E-4886
04-371051	Dayton Parts Batco	E-4887
04-371312	Dayton Parts Batco	E-4888
04-371311	Dayton Parts Batco	E-4889
04-832122	Dayton Parts Batco	E-4890
04-832121	Dayton Parts Batco	E-4891
04-942042	Dayton Parts Batco	E-4900
04-942041	Dayton Parts Batco	E-4901
03-160	Dayton Parts Batco	E-4934A
04-240902	Dayton Parts Batco	E-4995
04-240901	Dayton Parts Batco	E-4996
01-250	Dayton Parts Batco	E-501
01-424	Dayton Parts Batco	E-502
04-450821	Dayton Parts Batco	E-5056
04-450822	Dayton Parts Batco	E-5057
04-150762	Dayton Parts Batco	E-5058
04-150862	Dayton Parts Batco	E-5060
04-150861	Dayton Parts Batco	E-5061
04-151112	Dayton Parts Batco	E-5062
04-151111	Dayton Parts Batco	E-5063
04-150912	Dayton Parts Batco	E-5066
04-150911	Dayton Parts Batco	E-5067
01-452	Dayton Parts Batco	E-5087
01-381	Dayton Parts Batco	E-5088
01-204	Dayton Parts Batco	E-5089
01-304	Dayton Parts Batco	E-5090
01-492	Dayton Parts Batco	E-5093

PART NO.	COMPETITOR	EUCLID NO.
04-377	Dayton Parts Batco	E-5095
01-440	Dayton Parts Batco	E-512
01-357	Dayton Parts Batco	E-5122
01-358	Dayton Parts Batco	E-5123
01-393	Dayton Parts Batco	E-5124
02-225	Dayton Parts Batco	E-5127
02-315	Dayton Parts Batco	E-5128
04-150812	Dayton Parts Batco	E-5129
04-150811	Dayton Parts Batco	E-5130
04-150932	Dayton Parts Batco	E-5131
04-150931	Dayton Parts Batco	E-5132
04-150962	Dayton Parts Batco	E-5133
04-150961	Dayton Parts Batco	E-5134
04-151002	Dayton Parts Batco	E-5135
04-151001	Dayton Parts Batco	E-5136
04-350	Dayton Parts Batco	E-5137
04-351	Dayton Parts Batco	E-5138
08-111300	Dayton Parts Batco	E-5139
08-137500	Dayton Parts Batco	E-5140
01-200	Dayton Parts Batco	E-523
03-162	Dayton Parts Batco	E-5240A
03-161	Dayton Parts Batco	E-5241A
03-182	Dayton Parts Batco	E-5242A
03-180	Dayton Parts Batco	E-5243A
03-181	Dayton Parts Batco	E-5244A
04-310	Dayton Parts Batco	E-526
01-447	Dayton Parts Batco	E-5304

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
01-305	Dayton Parts Batco	E-5305
08-105100	Dayton Parts Batco	E-5306
08-132310	Dayton Parts Batco	E-5307
03-200	Dayton Parts Batco	E-535
02-202	Dayton Parts Batco	E-536
01-460	Dayton Parts Batco	E-537
01-300	Dayton Parts Batco	E-539
01-323	Dayton Parts Batco	E-543
01-355	Dayton Parts Batco	E-544
01-354	Dayton Parts Batco	E-545A
01-247	Dayton Parts Batco	E-5477
01-294	Dayton Parts Batco	E-5478
08-114800	Dayton Parts Batco	E-5481A
04-357	Dayton Parts Batco	E-5482
04-390862	Dayton Parts Batco	E-5490
04-390861	Dayton Parts Batco	E-5491
04-391162	Dayton Parts Batco	E-5492
04-391161	Dayton Parts Batco	E-5493
04-731942	Dayton Parts Batco	E-5494
04-731941	Dayton Parts Batco	E-5495
04-732362	Dayton Parts Batco	E-5496
04-732361	Dayton Parts Batco	E-5497
08-109560	Dayton Parts Batco	E-5499
08-135101	Dayton Parts Batco	E-5501
04-481032	Dayton Parts Batco	E-5504A
04-481031	Dayton Parts Batco	E-5505A
04-931732	Dayton Parts Batco	E-5506

PART NO.	COMPETITOR	EUCLID NO.
04-931731	Dayton Parts Batco	E-5507
04-932042	Dayton Parts Batco	E-5508
04-932041	Dayton Parts Batco	E-5509
04-932422	Dayton Parts Batco	E-5510
04-932421	Dayton Parts Batco	E-5511
02-210	Dayton Parts Batco	E-5512
08-116200	Dayton Parts Batco	E-5515
04-582412	Dayton Parts Batco	E-5516
04-582411	Dayton Parts Batco	E-5517
04-592042	Dayton Parts Batco	E-5518
04-592041	Dayton Parts Batco	E-5519
04-592352	Dayton Parts Batco	E-5520
04-592351	Dayton Parts Batco	E-5521
04-601742	Dayton Parts Batco	E-5522
04-601741	Dayton Parts Batco	E-5523
04-602042	Dayton Parts Batco	E-5524
04-602041	Dayton Parts Batco	E-5525
04-602352	Dayton Parts Batco	E-5526
04-602351	Dayton Parts Batco	E-5527
04-210932	Dayton Parts Batco	E-5529
04-210931	Dayton Parts Batco	E-5530
07-179	Dayton Parts Batco	E-5532
07-270	Dayton Parts Batco	E-5540
07-246	Dayton Parts Batco	E-5541
08-191902	Dayton Parts Batco	E-5543
01-462	Dayton Parts Batco	E-563
01-470	Dayton Parts Batco	E-563

PART NO.	COMPETITOR	EUCLID NO.
13-3110	Dayton Parts Batco	E-5708
13-3058	Dayton Parts Batco	E-5710
13-1254L	Dayton Parts Batco	E-5722-L
13-1254R	Dayton Parts Batco	E-5722-R
01-490	Dayton Parts Batco	E-579A
04-302	Dayton Parts Batco	E-580
04-301	Dayton Parts Batco	E-581
01-262	Dayton Parts Batco	E-596A
13-1419L	Dayton Parts Batco	E-5990-L
13-1419R	Dayton Parts Batco	E-5990-R
03-203	Dayton Parts Batco	E-602
02-248	Dayton Parts Batco	E-6076
04-321	Dayton Parts Batco	E-6077
02-2481	Dayton Parts Batco	E-6078
01-421	Dayton Parts Batco	E-608
02-246	Dayton Parts Batco	E-6080
01-400	Dayton Parts Batco	E-609
04-592302	Dayton Parts Batco	E-6101
04-592301	Dayton Parts Batco	E-6102
04-592442	Dayton Parts Batco	E-6103
04-592441	Dayton Parts Batco	E-6104
05-260	Dayton Parts Batco	E-612HD
05-260	Dayton Parts Batco	E-612HD-BK
05-162	Dayton Parts Batco	E-631
02-300	Dayton Parts Batco	E-654
04-300	Dayton Parts Batco	E-656
03-201	Dayton Parts Batco	E-661

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
02-207	Dayton Parts Batco	E-662
02-211	Dayton Parts Batco	E-667
04-572111	Dayton Parts Batco	E-684
04-572112	Dayton Parts Batco	E-685
04-571651	Dayton Parts Batco	E-686
04-571652	Dayton Parts Batco	E-687
08-110702	Dayton Parts Batco	E-6879
04-571841	Dayton Parts Batco	E-688
04-582272	Dayton Parts Batco	E-6884
04-582271	Dayton Parts Batco	E-6885
04-571841	Dayton Parts Batco	E-688A
04-571842	Dayton Parts Batco	E-689
04-571842	Dayton Parts Batco	E-689A
05-670	Dayton Parts Batco	E-6900A
05-676	Dayton Parts Batco	E-6905A
05-6771	Dayton Parts Batco	E-6912
05-6772	Dayton Parts Batco	E-6913
05-657	Dayton Parts Batco	E-6914A
05-659	Dayton Parts Batco	E-6918A
05-658	Dayton Parts Batco	E-6919A
05-654	Dayton Parts Batco	E-6923B
05-661	Dayton Parts Batco	E-6924B
05-655	Dayton Parts Batco	E-6925B
05-663	Dayton Parts Batco	E-6927B
05-650	Dayton Parts Batco	E-6928
05-651	Dayton Parts Batco	E-6933
05-660	Dayton Parts Batco	E-6936

PART NO.	COMPETITOR	EUCLID NO.
05-667	Dayton Parts Batco	E-6940
05-662	Dayton Parts Batco	E-6942
05-668	Dayton Parts Batco	E-6944
05-664	Dayton Parts Batco	E-6946
05-665	Dayton Parts Batco	E-6947
05-656	Dayton Parts Batco	E-6951A
02-205	Dayton Parts Batco	E-712
01-243	Dayton Parts Batco	E-714
04-303	Dayton Parts Batco	E-719
08-190020	Dayton Parts Batco	E-7212A
08-190922	Dayton Parts Batco	E-7213A
08-190921	Dayton Parts Batco	E-7213A
04-572632	Dayton Parts Batco	E-7217
04-572631	Dayton Parts Batco	E-7218
04-572652	Dayton Parts Batco	E-7219
04-572651	Dayton Parts Batco	E-7220
08-114000	Dayton Parts Batco	E-7231
08-137800	Dayton Parts Batco	E-7235
08-114200	Dayton Parts Batco	E-7237
01-384	Dayton Parts Batco	E-7238
01-320	Dayton Parts Batco	E-747
01-320	Dayton Parts Batco	E-747-BK
01-335	Dayton Parts Batco	E-752
01-339	Dayton Parts Batco	E-757
02-203	Dayton Parts Batco	E-759
06-414	Dayton Parts Batco	E-7658
01-302	Dayton Parts Batco	E-773

PART NO.	COMPETITOR	EUCLID NO.
08-111102	Dayton Parts Batco	E-7899
01-482	Dayton Parts Batco	E-801
02-204	Dayton Parts Batco	E-807
02-400	Dayton Parts Batco	E-864
02-507	Dayton Parts Batco	E-886
12-40009	Dayton Parts Batco	E-8888
12-40012	Dayton Parts Batco	E-8889
12-40016	Dayton Parts Batco	E-8890
12-40020	Dayton Parts Batco	E-8891
12-40024	Dayton Parts Batco	E-8892
12-40030E	Dayton Parts Batco	E-8894
12-40036	Dayton Parts Batco	E-8895
12-40201	Dayton Parts Batco	E-8896
12-40202	Dayton Parts Batco	E-8897
12-40204	Dayton Parts Batco	E-8898
03-170	Dayton Parts Batco	E-8906
01-3862	Dayton Parts Batco	E-8907
08-115800	Dayton Parts Batco	E-8923
08-115400	Dayton Parts Batco	E-8925
13-1419L	Dayton Parts Batco	E-8951-L
13-1419R	Dayton Parts Batco	E-8951-R
13-3058	Dayton Parts Batco	E-9021
04-160812	Dayton Parts Batco	E-9028
04-160811	Dayton Parts Batco	E-9029
04-160932	Dayton Parts Batco	E-9030
04-160931	Dayton Parts Batco	E-9031
04-160962	Dayton Parts Batco	E-9032

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
04-160961	Dayton Parts Batco	E-9033
04-161002	Dayton Parts Batco	E-9034
04-161001	Dayton Parts Batco	E-9035
08-104330	Dayton Parts Batco	E-9039
01-4903	Dayton Parts Batco	E-9042
01-2056	Dayton Parts Batco	E-9043
01-2506	Dayton Parts Batco	E-9044
01-303	Dayton Parts Batco	E-9045
01-5002	Dayton Parts Batco	E-9047
08-115700	Dayton Parts Batco	E-9048
08-135110	Dayton Parts Batco	E-9053
04-371512	Dayton Parts Batco	E-9055
04-371511	Dayton Parts Batco	E-9056
04-741942	Dayton Parts Batco	E-9057
04-741941	Dayton Parts Batco	E-9058
04-742362	Dayton Parts Batco	E-9059
04-742361	Dayton Parts Batco	E-9060
01-453	Dayton Parts Batco	E-9061
08-116000	Dayton Parts Batco	E-9064
04-260932	Dayton Parts Batco	E-9065
04-260931	Dayton Parts Batco	E-9066
04-260952	Dayton Parts Batco	E-9067A
04-260951	Dayton Parts Batco	E-9068A
01-372	Dayton Parts Batco	E-9069
04-338	Dayton Parts Batco	E-9071
04-333	Dayton Parts Batco	E-9072
04-359	Dayton Parts Batco	E-9073

PART NO.	COMPETITOR	EUCLID NO.
04-361	Dayton Parts Batco	E-9074
04-362	Dayton Parts Batco	E-9075
04-356	Dayton Parts Batco	E-9076
04-363	Dayton Parts Batco	E-9077
08130615	Dayton Parts Batco	E-9079
08-130611	Dayton Parts Batco	E-9079HD
04-952332	Dayton Parts Batco	E-9087
04-952331	Dayton Parts Batco	E-9088
04-572242	Dayton Parts Batco	E-9089
04-572241	Dayton Parts Batco	E-9090
02-515	Dayton Parts Batco	E-9095
02-515	Dayton Parts Batco	E-9095A
04-601722	Dayton Parts Batco	E-9096
04-601721	Dayton Parts Batco	E-9097
04-602302	Dayton Parts Batco	E-9098
04-602301	Dayton Parts Batco	E-9099
04-314	Dayton Parts Batco	E-910
04-602412	Dayton Parts Batco	E-9100
04-602411	Dayton Parts Batco	E-9101
05-254	Dayton Parts Batco	E-9102
05-294	Dayton Parts Batco	E-9105
05-132	Dayton Parts Batco	E-9118
05-129	Dayton Parts Batco	E-9130
05-574	Dayton Parts Batco	E-9132
05-575	Dayton Parts Batco	E-9133
05-577	Dayton Parts Batco	E-9135
08-104300	Dayton Parts Batco	E-9141

PART NO.	COMPETITOR	EUCLID NO.
02-217	Dayton Parts Batco	E-919
02-216	Dayton Parts Batco	E-920
04-631622	Dayton Parts Batco	E-9263
04-631621	Dayton Parts Batco	E-9264
04-631902	Dayton Parts Batco	E-9265
04-631901	Dayton Parts Batco	E-9266
04-632052	Dayton Parts Batco	E-9267
04-632051	Dayton Parts Batco	E-9268
04-632132	Dayton Parts Batco	E-9269
04-632131	Dayton Parts Batco	E-9270
04-632212	Dayton Parts Batco	E-9271
04-632211	Dayton Parts Batco	E-9272
04-632322	Dayton Parts Batco	E-9273
04-632321	Dayton Parts Batco	E-9274
04-632352	Dayton Parts Batco	E-9275
04-632351	Dayton Parts Batco	E-9276
04-632402	Dayton Parts Batco	E-9277
04-632401	Dayton Parts Batco	E-9278
04-632632	Dayton Parts Batco	E-9279
04-632631	Dayton Parts Batco	E-9280
05-261	Dayton Parts Batco	E-940HD
02-201	Dayton Parts Batco	E-943
334-527	Dayton Parts Batco	E-943-2
02-132	Dayton Parts Batco	E-957
334-936	Dayton Parts Batco	E-9575
03-148	Dayton Parts Batco	E-9590
03-149	Dayton Parts Batco	E-9591

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
03-150	Dayton Parts Batco	E-9592
03-151	Dayton Parts Batco	E-9593
03-154	Dayton Parts Batco	E-9596
03-155	Dayton Parts Batco	E-9597
03-183	Dayton Parts Batco	E-9601
03-184	Dayton Parts Batco	E-9602
01-3751	Dayton Parts Batco	E-9643
08-111635	Dayton Parts Batco	E-9644
04-480772	Dayton Parts Batco	E-9645
04-480771	Dayton Parts Batco	E-9646
04-480822	Dayton Parts Batco	E-9647
04-480821	Dayton Parts Batco	E-9648
04-480862	Dayton Parts Batco	E-9649
04-480861	Dayton Parts Batco	E-9650
04-480922	Dayton Parts Batco	E-9651
04-480921	Dayton Parts Batco	E-9652
04-480952	Dayton Parts Batco	E-9653
04-480951	Dayton Parts Batco	E-9654
04-481042	Dayton Parts Batco	E-9655
04-481041	Dayton Parts Batco	E-9656
04-481112	Dayton Parts Batco	E-9657
04-481111	Dayton Parts Batco	E-9658
04-481122	Dayton Parts Batco	E-9659
04-481121	Dayton Parts Batco	E-9660
04-481152	Dayton Parts Batco	E-9661
04-481151	Dayton Parts Batco	E-9662
04-481172	Dayton Parts Batco	E-9663

PART NO.	COMPETITOR	EUCLID NO.
04-481171	Dayton Parts Batco	E-9664
04-481212	Dayton Parts Batco	E-9665
04-481211	Dayton Parts Batco	E-9666
04-481252	Dayton Parts Batco	E-9667
04-481251	Dayton Parts Batco	E-9668
04-481312	Dayton Parts Batco	E-9669
04-481311	Dayton Parts Batco	E-9670
04-481332	Dayton Parts Batco	E-9671
04-481331	Dayton Parts Batco	E-9672
04-481342	Dayton Parts Batco	E-9673A
04-481341	Dayton Parts Batco	E-9674A
04-481422	Dayton Parts Batco	E-9675
04-481421	Dayton Parts Batco	E-9676
04-481462	Dayton Parts Batco	E-9677
04-481461	Dayton Parts Batco	E-9678
04-481472	Dayton Parts Batco	E-9679
04-481471	Dayton Parts Batco	E-9680
04-481532	Dayton Parts Batco	E-9681
04-481531	Dayton Parts Batco	E-9682
04-481572	Dayton Parts Batco	E-9683
04-481571	Dayton Parts Batco	E-9684
04-450922	Dayton Parts Batco	E-9687A
04-450921	Dayton Parts Batco	E-9688A
04-451502	Dayton Parts Batco	E-9691A
04-451501	Dayton Parts Batco	E-9692A
04-200772	Dayton Parts Batco	E-9693
04-200771	Dayton Parts Batco	E-9694

PART NO.	COMPETITOR	EUCLID NO.
04-200812	Dayton Parts Batco	E-9695
04-200811	Dayton Parts Batco	E-9696
04-200852	Dayton Parts Batco	E-9697
04-200851	Dayton Parts Batco	E-9698
04-200932	Dayton Parts Batco	E-9699
04-200931	Dayton Parts Batco	E-9700
04-200962	Dayton Parts Batco	E-9701
04-200961	Dayton Parts Batco	E-9702
04-201001	Dayton Parts Batco	E-9704
04-210852	Dayton Parts Batco	E-9707
04-210851	Dayton Parts Batco	E-9708
04-210962	Dayton Parts Batco	E-9711
04-210961	Dayton Parts Batco	E-9712
04-230772	Dayton Parts Batco	E-9713
04-230771	Dayton Parts Batco	E-9714
04-230942	Dayton Parts Batco	E-9715
04-230941	Dayton Parts Batco	E-9716
04-231012	Dayton Parts Batco	E-9717
04-231011	Dayton Parts Batco	E-9718
04-581742	Dayton Parts Batco	E-9725
04-581741	Dayton Parts Batco	E-9726
04-592412	Dayton Parts Batco	E-9727
04-592411	Dayton Parts Batco	E-9728
04-602702	Dayton Parts Batco	E-9729
04-602701	Dayton Parts Batco	E-9730
04-561742	Dayton Parts Batco	E-9731
04-561741	Dayton Parts Batco	E-9732

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
04-562042	Dayton Parts Batco	E-9733
04-562041	Dayton Parts Batco	E-9734
0456352	Dayton Parts Batco	E-9735
0456351	Dayton Parts Batco	E-9736
04-562702	Dayton Parts Batco	E-9737
04-562701	Dayton Parts Batco	E-9738
04-591952	Dayton Parts Batco	E-9739
04-591951	Dayton Parts Batco	E-9740
04-592632	Dayton Parts Batco	E-9741
04-592631	Dayton Parts Batco	E-9742
04-611902	Dayton Parts Batco	E-9743
04-611901	Dayton Parts Batco	E-9744
04-612212	Dayton Parts Batco	E-9745
04-612211	Dayton Parts Batco	E-9746
04-612652	Dayton Parts Batco	E-9747
04-612651	Dayton Parts Batco	E-9748
04-631742	Dayton Parts Batco	E-9751
04-631741	Dayton Parts Batco	E-9752
04-642132	Dayton Parts Batco	E-9755
04-642131	Dayton Parts Batco	E-9756
04-642212	Dayton Parts Batco	E-9757
04-642211	Dayton Parts Batco	E-9758
04-642322	Dayton Parts Batco	E-9759
04-642321	Dayton Parts Batco	E-9760
04-821622	Dayton Parts Batco	E-9761
04-821621	Dayton Parts Batco	E-9762
04-371022	Dayton Parts Batco	E-9763

PART NO.	COMPETITOR	EUCLID NO.
04-371021	Dayton Parts Batco	E-9764
04-371122	Dayton Parts Batco	E-9765
04-371121	Dayton Parts Batco	E-9766
04-391052	Dayton Parts Batco	E-9767
04-391051	Dayton Parts Batco	E-9768
04-391252	Dayton Parts Batco	E-9769
04-391251	Dayton Parts Batco	E-9770
04-391442	Dayton Parts Batco	E-9771
04-391441	Dayton Parts Batco	E-9772
02247	Dayton Parts Batco	E-9784
03-1142	Dayton Parts Batco	E-9787A
03-1141	Dayton Parts Batco	E-9788A
02-256	Dayton Parts Batco	E-9789
01-376	Dayton Parts Batco	E-979
08-132800	Dayton Parts Batco	E-9790A
08-130301	Dayton Parts Batco	E-9791HD
01-343	Dayton Parts Batco	E-980
05-116	Dayton Parts Batco	E-BC16S
05-120	Dayton Parts Batco	E-BC20S
05-124	Dayton Parts Batco	E-BC24S
05-130	Dayton Parts Batco	E-BC30S
01-004	Dayton Parts Batco	E-9062
01-018	Dayton Parts Batco	E-9036
01-077	Dayton Parts Batco	E-5528
01-080	Dayton Parts Batco	E-5126
01-0801	Dayton Parts Batco	E-9027
01-105	Dayton Parts Batco	E-2687

PART NO.	COMPETITOR	EUCLID NO.
01-124	Dayton Parts Batco	E-3920
01-128	Dayton Parts Batco	E-2778
01-132	Dayton Parts Batco	E-3522
01-133	Dayton Parts Batco	E-3417
01-170	Dayton Parts Batco	E-5303A
01-176	Dayton Parts Batco	E-2394
01-186	Dayton Parts Batco	E-2474
01-192	Dayton Parts Batco	E-2801
01-392	Dayton Parts Batco	E-2726
01-509	Dayton Parts Batco	E-541
01-600	Dayton Parts Batco	E-633X
01-601	Dayton Parts Batco	E-634X
01-602	Dayton Parts Batco	E583X
01-603	Dayton Parts Batco	E-635X
01-604	Dayton Parts Batco	E-636X
01-605	Dayton Parts Batco	E-628X
01-606	Dayton Parts Batco	E-797X
01-607	Dayton Parts Batco	E-798X
01-609	Dayton Parts Batco	E-999X
01-612	Dayton Parts Batco	E-911X
01-613	Dayton Parts Batco	E-912X
01-614	Dayton Parts Batco	E-914X
01-615	Dayton Parts Batco	E-913X
01-617	Dayton Parts Batco	E-918X
05-662	Dayton Parts Batco	R806013A
06-202	Dayton Parts Batco	E-573
06-206	Dayton Parts Batco	E-620

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
06-207	Dayton Parts Batco	E-618
06-208	Dayton Parts Batco	E-617
06-209	Dayton Parts Batco	E-619
06-360	Dayton Parts Batco	E-2300
06-365	Dayton Parts Batco	E-3510
06-366	Dayton Parts Batco	E-2658
06-368	Dayton Parts Batco	E-2659
06-370	Dayton Parts Batco	E-2662
06-371	Dayton Parts Batco	E-2663
06-385	Dayton Parts Batco	E-3502
06-402	Dayton Parts Batco	E-2418
06-403	Dayton Parts Batco	E-2420
06-407	Dayton Parts Batco	E-2423
06-408	Dayton Parts Batco	E-2425
06-416	Dayton Parts Batco	E-7659
06-417	Dayton Parts Batco	E-7660
06-424	Dayton Parts Batco	E-6142
06-508	Dayton Parts Batco	E-6147
11-0212-4140	Dayton Parts Batco	E-700
11-0660	Dayton Parts Batco	E-975
13-1143L	Dayton Parts Batco	E-9003-L
13-1143R	Dayton Parts Batco	E-9003-R
13-1168L	Dayton Parts Batco	E-8958-L
13-1168R	Dayton Parts Batco	E-8958-R
13-1176L	Dayton Parts Batco	E-8954-L
13-1176R	Dayton Parts Batco	E-8954-R
13-1235L	Dayton Parts Batco	E-6057-L

PART NO.	COMPETITOR	EUCLID NO.
13-1235R	Dayton Parts Batco	E-6057-R
13-1413L	Dayton Parts Batco	E-3727-L
13-1413R	Dayton Parts Batco	E-3727-R
13-1413R	Dayton Parts Batco	E-5937-R
13-1587	Dayton Parts Batco	E-9837
13-2325L	Dayton Parts Batco	E-9002-L
13-2325R	Dayton Parts Batco	E-9002-R
13-2326L	Dayton Parts Batco	E-9005-L
13-2326R	Dayton Parts Batco	E-9005-R
13-2327L	Dayton Parts Batco	E-9004-L
13-2327R	Dayton Parts Batco	E-9004-R
13-2461	Dayton Parts Batco	E-9007
13-2464	Dayton Parts Batco	E-9006
13-3015R	Dayton Parts Batco	E-5578-R
13-4702	Dayton Parts Batco	E-5781
13-4704	Dayton Parts Batco	E-5821
13-4723	Dayton Parts Batco	E-5827
13-4724	Dayton Parts Batco	E-5828
13-4750	Dayton Parts Batco	E-5976
13-4807	Dayton Parts Batco	E-5953
13-4808	Dayton Parts Batco	E-5973
13-5012	Dayton Parts Batco	E-5926
13-5014	Dayton Parts Batco	E-5902
13-5016	Dayton Parts Batco	E-6053
13-5020	Dayton Parts Batco	E-5838
13-6301	Dayton Parts Batco	E-4990A
13-7029	Dayton Parts Batco	E-5949

PART NO.	COMPETITOR	EUCLID NO.
13-7035	Dayton Parts Batco	E-5954
13-7045	Dayton Parts Batco	E-4951
13-7116	Dayton Parts Batco	E-2341
13-7123	Dayton Parts Batco	E-2432
13-7252	Dayton Parts Batco	E-5962
13-7253	Dayton Parts Batco	E-5963
329-105U	Dayton Parts Batco	E-8927
329-123U	Dayton Parts Batco	E-7451
329-139U	Dayton Parts Batco	E-8652
334-153	Dayton Parts Batco	E-937
034-188-01	Dexter	E-10917
34-188-01	Dexter	E-10917
034-189-01	Dexter	E-10918
34-189-01	Dexter	E-10918
034-188-04	Dexter	E-10919
34-188-04	Dexter	E-10919
034-189-04	Dexter	E-10920
34-189-04	Dexter	E-10920
034-188-00	Dexter	E-10921
34-188-00	Dexter	E-10921
034-189-00	Dexter	E-10922
34-189-00	Dexter	E-10922
034-188-03	Dexter	E-10923
34-188-03	Dexter	E-10923
034-189-03	Dexter	E-10924
34-189-03	Dexter	E-10924
034-188-05	Dexter	E-10925
34-188-05	Dexter	E-10925
034-189-05	Dexter	E-10926
34-189-05	Dexter	E-10926
034-188-11	Dexter	E-10927
34-188-11	Dexter	E-10927
034-189-11	Dexter	E-10928
34-189-11	Dexter	E-10928
034-188-09	Dexter	E-10929
34-188-09	Dexter	E-10929
034-189-09	Dexter	E-10930
34-189-09	Dexter	E-10930
K71-135-00	Dexter	E-2287
K71-101-00	Dexter	E-2469

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
K71-136-00	Dexter	E-2769HD
40-164	Dexter	E-9025
40-165	Dexter	E-9026
6100224	Dorman	E-10208-L
6100084	Dorman	E-10215
6100280	Dorman	E-10217
6100085	Dorman	E-10219
6100086	Dorman	E-10220
6100087	Dorman	E-10221
6100096	Dorman	E-10257
6100095	Dorman	E-10676
6100276	Dorman	E-17001
610-145	Dorman	E-4955
610146	Dorman	E-4956A
6110032	Dorman	E-4963
610-209	Dorman	E-4966-L
610-208	Dorman	E-4966-R
6100185	Dorman	E-4967-L
6100076	Dorman	E-4967-R
610-053	Dorman	E-4988-L
610-052	Dorman	E-4988-R
611-046	Dorman	E-5007
610-047	Dorman	E-5551-L
610-046	Dorman	E-5551-R
611-041	Dorman	E-5554-L
611-040	Dorman	E-5554-R
610-063	Dorman	E-5558-L
610-062	Dorman	E-5558-R
6100081	Dorman	E-5561-L
6100069	Dorman	E-5561-R
611-029	Dorman	E-5652-L
6110052	Dorman	E-5652-L
611-028	Dorman	E-5652-R
6110048	Dorman	E-5652-R
611-043	Dorman	E-5734
611-054	Dorman	E-5892
6110035	Dorman	E-5977-L
6110034	Dorman	E-5977-R
611-079	Dorman	E-5988-R
611-080	Dorman	E-5988-R
6110043	Dorman	E-5991
6100094	Dorman	E-5999
6110030	Dorman	E-6000A
6100092	Dorman	E-6034
6100091	Dorman	E-6035
6100284	Dorman	E-6036
6110036	Dorman	E-7895-L
6110037	Dorman	E-7895-R

PART NO.	COMPETITOR	EUCLID NO.
6110038	Dorman	E-7896-R
6110044	Dorman	E-7897-L
6110046	Dorman	E-7897-R
6100200	Dorman	E-8947-L
6100079	Dorman	E-8947-R
6100204	Dorman	E-8969-L
6100080	Dorman	E-8969-R
6100175	Dorman	E-8979-L
6100174	Dorman	E-8979-R
6100093	Dorman	E-8980
6100090	Dorman	E-8981
6100098	Dorman	E-9010-L
6100097	Dorman	E-9010-R
6100283	Dorman	E-9526
6100301	Dorman	E-9837
52244	Eaton	KIT-1
122844	Eaton	KIT-4S
5-2236B	Eaton	KIT-4S
123209	Eaton	KIT-4SHD
5-2237B	Eaton	KIT-4SHD
124670	Eaton	KIT-5
2-806235	Eaton	E-10197
2-818278	Eaton	E-10197
806235	Eaton	E-10197
818278	Eaton	E-10197
818728	Eaton	E-10197
819725	Eaton	E-10198
806234	Eaton	E-10239
314147	Eaton	E-10244
70325	Eaton	E-1025
314146	Eaton	E-10760
817009	Eaton	E-10761
809610	Eaton	E-10892
808068	Eaton	E-10911
808069	Eaton	E-10912
808064	Eaton	E-10913
808065	Eaton	E-10914
811406	Eaton	E-10915
811407	Eaton	E-10916
B-1691-26	Eaton	E-1094
191936	Eaton	E-1094
72425	Eaton	E-1094
B-1691-25	Eaton	E-1095
F-1691-25	Eaton	E-1095
192301	Eaton	E-1095
72426	Eaton	E-1095
B-2076	Eaton	E-1112A
820196	Eaton	E-1112A

PART NO.	COMPETITOR	EUCLID NO.
82943	Eaton	E-1112A
B-2019	Eaton	E-1113
102330	Eaton	E-1113
820182	Eaton	E-1113
808169	Eaton	E-11403
808171	Eaton	E-11403
808175	Eaton	E-11403
808178	Eaton	E-11403
813648	Eaton	E-11403
808169	Eaton	E-11415
808171	Eaton	E-11415
808175	Eaton	E-11415
808178	Eaton	E-11415
813648	Eaton	E-11415
808169	Eaton	E-11416
808171	Eaton	E-11416
808175	Eaton	E-11416
808178	Eaton	E-11416
813648	Eaton	E-11416
180248	Eaton	E-1147C
72393	Eaton	E-1147C
180613	Eaton	E-1148C
72394	Eaton	E-1148C
808169	Eaton	E-11902
808171	Eaton	E-11902
808173	Eaton	E-11902
808178	Eaton	E-11902
813652	Eaton	E-11902
813655	Eaton	E-11902
38078	Eaton	E-1253
X-6-562	Eaton	E-1269
12086	Eaton	E-1269
821233	Eaton	E-1269
19054	Eaton	E-1271
92103	Eaton	E-1271
97216	Eaton	E-1272
95755	Eaton	E-1314
93564	Eaton	E-1318A
127258	Eaton	E-1357A
B-2028-A	Eaton	E-1385
820185	Eaton	E-1385
B2028A	Eaton	E-1385
B-1691-25	Eaton	E-1393
B-2060-38	Eaton	E-1393
B-2060-4	Eaton	E-1393
B-2460-3	Eaton	E-1393
B-2460-37	Eaton	E-1393
B-2460-38	Eaton	E-1393

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
B246085	Eaton	E-1393
186092	Eaton	E-1393
820249	Eaton	E-1393
B-2060-3	Eaton	E-1394
B-2060-37	Eaton	E-1394
B-2460-37	Eaton	E-1394
B-2460-4	Eaton	E-1394
B246086	Eaton	E-1394
B-2640-38	Eaton	E-1394
186457	Eaton	E-1394
820250	Eaton	E-1394
B-2010	Eaton	E-1400
1003817	Eaton	E-1400
78580	Eaton	E-1400
820164	Eaton	E-1400
B2010	Eaton	E-1400
820276	Eaton	E-1402
B-1705	Eaton	E-1403
820092	Eaton	E-1403
B1705	Eaton	E-1403
B2011	Eaton	E-1406
820165	Eaton	E-1406
189744	Eaton	E-1410
190110	Eaton	E-1411
25263	Eaton	E-1416
32166	Eaton	E-1416
32169	Eaton	E-1416
32172	Eaton	E-1416
820110	Eaton	E-1416
98312	Eaton	E-1416
B-1736	Eaton	E-1416A
E-1736	Eaton	E-1416A
1008047	Eaton	E-1416A
40864	Eaton	E-1416A
79903	Eaton	E-1416A
820111	Eaton	E-1416A
B1736	Eaton	E-1416A
70326	Eaton	E-1418
81482	Eaton	E-1418
72427	Eaton	E-1420
72428	Eaton	E-1421
191205	Eaton	E-1422
191571	Eaton	E-1423
186822	Eaton	E-1424A
219316	Eaton	E-1424A
72411	Eaton	E-1424A
187188	Eaton	E-1425A
219317	Eaton	E-1425A

PART NO.	COMPETITOR	EUCLID NO.
72412	Eaton	E-1425A
X-6-562	Eaton	E-1426
821233	Eaton	E-1426
78580	Eaton	E-1428A
42204	Eaton	E-1559
42203	Eaton	E-1561
198510	Eaton	E-1563
198876	Eaton	E-1564
103425	Eaton	E-1565
91372	Eaton	E-1567
104886	Eaton	E-1569
93929	Eaton	E-1571
62306	Eaton	E-1574HD
94294	Eaton	E-1577A
180978	Eaton	E-1775
70307	Eaton	E-1775
181344	Eaton	E-1776
70306	Eaton	E-1776
100869	Eaton	E-1781
23470	Eaton	E-1781
23570	Eaton	E-1781
32176	Eaton	E-1781
B1216	Eaton	E-1782
101234	Eaton	E-1782
29646	Eaton	E-1782
32177	Eaton	E-1782
32181	Eaton	E-1782
34528	Eaton	E-1782
35428	Eaton	E-1782
43943	Eaton	E-1782
820009	Eaton	E-1782
B-1735-2	Eaton	E-1788
EB820102	Eaton	E-1788
820103	Eaton	E-1788
820108	Eaton	E-1788
B-1735-1	Eaton	E-1789
EB820108	Eaton	E-1789
820102	Eaton	E-1789
123574	Eaton	E-1816S
5-2238B	Eaton	E-1816S
123939	Eaton	E-1816SHD
5-2239B	Eaton	E-1816SHD
79656	Eaton	E-1880B
1001238	Eaton	E-1887AHD
1001238	Eaton	E-1887ASHD
52243	Eaton	E-1887ASHD
52243B	Eaton	E-1887ASHD
2-809506	Eaton	E-1893

PART NO.	COMPETITOR	EUCLID NO.
88422	Eaton	E-1893
62250	Eaton	E-2086B
296730	Eaton	E-2087
62712	Eaton	E-2087
127623	Eaton	E-2088A
130545	Eaton	E-2090
R-2138	Eaton	E-2091
199971	Eaton	E-2099
200337	Eaton	E-2100
70325	Eaton	E-2101
32159	Eaton	E-2102
94659	Eaton	E-2102
B-1691-1	Eaton	E-2107
B-1691-131	Eaton	E-2107
EB820073	Eaton	E-2107
EB820074	Eaton	E-2107
820073	Eaton	E-2107
B-1691-132	Eaton	E-2108
B-1691-2	Eaton	E-2108
EB820073	Eaton	E-2108
EB820074	Eaton	E-2108
820074	Eaton	E-2108
B-1223	Eaton	E-2119
B-2023	Eaton	E-2119
820012	Eaton	E-2119
124305	Eaton	E-2121
5-2240B	Eaton	E-2121
52240B	Eaton	E-2121
130180	Eaton	E-2122
127808	Eaton	E-2125
131275	Eaton	E-2125
62259	Eaton	E-2125
78500	Eaton	E-2125
B-1220	Eaton	E-2176
39074	Eaton	E-2217A
76003	Eaton	E-2217A
B-1559	Eaton	E-2218
B1599	Eaton	E-2218
B-1713	Eaton	E-2218
B-615-4	Eaton	E-2218
42197	Eaton	E-2237
297095	Eaton	E-2287
62713	Eaton	E-2287
119883	Eaton	E-2303
119882	Eaton	E-2304
119881	Eaton	E-2305
66324	Eaton	E-2307
22341	Eaton	E-2361

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
95390	Eaton	E-2361
128719	Eaton	E-2363
19146	Eaton	E-2363
91737	Eaton	E-2380
128353	Eaton	E-2382
22143	Eaton	E-2389
83674	Eaton	E-2390
22135	Eaton	E-2391
13912	Eaton	E-2392
22138	Eaton	E-2392
86961	Eaton	E-2392
76369	Eaton	E-2395
22261	Eaton	E-2396
78195	Eaton	E-2399
125766	Eaton	E-2402HD
5-2244B	Eaton	E-2402HD
1002279	Eaton	E-2405
24532	Eaton	E-2405
32167	Eaton	E-2405
32717	Eaton	E-2405
97581	Eaton	E-2405
24898	Eaton	E-2406
97947	Eaton	E-2406
19419	Eaton	E-2407
92468	Eaton	E-2407
19784	Eaton	E-2408
92833	Eaton	E-2408
105617	Eaton	E-2411A
B1691-46	Eaton	E-2412
72405	Eaton	E-2412
184631	Eaton	E-2412A
B1691-45	Eaton	E-2413
72406	Eaton	E-2413
184996	Eaton	E-2413A
38095	Eaton	E-2421
38098	Eaton	E-2424
42221	Eaton	E-2424
733115	Eaton	E-2433
14569	Eaton	E-2437
733113	Eaton	E-2437
72437	Eaton	E-2441B
72438	Eaton	E-2442B
14427	Eaton	E-2443B
197049	Eaton	E-2443B
72439	Eaton	E-2443B
14793	Eaton	E-2444B
197415	Eaton	E-2444B
72440	Eaton	E-2444B

PART NO.	COMPETITOR	EUCLID NO.
15158	Eaton	E-2445B
197780	Eaton	E-2445B
72441	Eaton	E-2445B
198145	Eaton	E-2446B
72442	Eaton	E-2446B
188283	Eaton	E-2449A
72415	Eaton	E-2449A
188649	Eaton	E-2450A
72416	Eaton	E-2450A
193397	Eaton	E-2451A
72429	Eaton	E-2451A
193762	Eaton	E-2452A
72430	Eaton	E-2452A
61941	Eaton	E-2458HD
120257	Eaton	E-2460
34090	Eaton	E-2460
42228	Eaton	E-2461
30714	Eaton	E-2461
19186	Eaton	E-2462
42226	Eaton	E-2462
42227	Eaton	E-2462
121353	Eaton	E-2463
31926	Eaton	E-2463
42231	Eaton	E-2464
120622	Eaton	E-2465
90229	Eaton	E-2465
11245	Eaton	E-2467
42234	Eaton	E-2467
11249	Eaton	E-2468
42233	Eaton	E-2468
129449	Eaton	E-2469
62709	Eaton	E-2469
1000406	Eaton	E-2475
651992	Eaton	E-2475
178056	Eaton	E-2478B
72387	Eaton	E-2478B
178422	Eaton	E-2479B
72388	Eaton	E-2479B
B-2060-24	Eaton	E-2492
B-2060-56	Eaton	E-2492
B-2460-56	Eaton	E-2492
190475	Eaton	E-2492
72421	Eaton	E-2492
820239	Eaton	E-2492
820244	Eaton	E-2492
822158	Eaton	E-2492
B-2060-23	Eaton	E-2493
B-2060-55	Eaton	E-2493

PART NO.	COMPETITOR	EUCLID NO.
B246022	Eaton	E-2493
B-2460-55	Eaton	E-2493
190840	Eaton	E-2493
72422	Eaton	E-2493
820240	Eaton	E-2493
820243	Eaton	E-2493
822157	Eaton	E-2493
B-2060-24	Eaton	E-2494
B-2060-56	Eaton	E-2494
820244	Eaton	E-2494
32160	Eaton	E-2517
95025	Eaton	E-2517
295634	Eaton	E-2526
42202	Eaton	E-2550
294446	Eaton	E-2551
38052	Eaton	E-2551
295269	Eaton	E-2679A
129814	Eaton	E-2680
62255	Eaton	E-2680
B-1208-11	Eaton	E-2681A
1002248	Eaton	E-2690A
1008412	Eaton	E-2690A
297368	Eaton	E-2690A
125034	Eaton	E-2693
185361	Eaton	E-2693
807286	Eaton	E-2693
125035	Eaton	E-2694
185727	Eaton	E-2694
807286	Eaton	E-2694
807287	Eaton	E-2694
1002262	Eaton	E-2695
297733	Eaton	E-2695
C-2718	Eaton	E-2696A
1008347	Eaton	E-2696A
298921	Eaton	E-2696A
72397	Eaton	E-2714A
72398	Eaton	E-2715A
2-809513	Eaton	E-2767
38041	Eaton	E-2767
809513	Eaton	E-2767
81847	Eaton	E-2767
80386	Eaton	E-2768
126131	Eaton	E-2769S
5-2245B	Eaton	E-2769S
1003817	Eaton	E-2785
23685	Eaton	E-2785
651992	Eaton	E-2785
78580	Eaton	E-2785

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
182439	Eaton	E-2786
71307	Eaton	E-2786
182805	Eaton	E-2787
71306	Eaton	E-2787
194127	Eaton	E-2796
72431	Eaton	E-2796
194493	Eaton	E-2797
1000088	Eaton	E-2799
178787	Eaton	E-2799
1000087	Eaton	E-2800
179152	Eaton	E-2800
1003831	Eaton	E-2802
100831	Eaton	E-2802
653087	Eaton	E-2802
1000382	Eaton	E-2803
1003832	Eaton	E-2803
EB1000091	Eaton	E-2804
1000091	Eaton	E-2804
653453	Eaton	E-2804
EB1000092	Eaton	E-2805
1000092	Eaton	E-2805
1000462	Eaton	E-2807
1000463	Eaton	E-2807
79933	Eaton	E-2807
809713	Eaton	E-2807
53690	Eaton	E-2820
653907	Eaton	E-2820
1005006	Eaton	E-2821
2-808058	Eaton	E-3007A
38030	Eaton	E-3007A
F1531	Eaton	E-3008
F-942	Eaton	E-3008
2-808058	Eaton	E-3227
77464	Eaton	E-3227
2808058	Eaton	E-3227
100138	Eaton	E-3234
32174	Eaton	E-3234
804017	Eaton	E-3234
1005204	Eaton	E-3421A
76734	Eaton	E-3421A
B-1740	Eaton	E-3473
820114	Eaton	E-3473
106713	Eaton	E-3478
33664	Eaton	E-3478
105982	Eaton	E-3479
1002254	Eaton	E-3520A
295999	Eaton	E-3520A
EB1001580	Eaton	E-3523

PART NO.	COMPETITOR	EUCLID NO.
1001580	Eaton	E-3523
EB1001581	Eaton	E-3524
L229	Eaton	E-3524
1001581	Eaton	E-3524
126861	Eaton	E-3710S
5-2247B	Eaton	E-3710S
84769	Eaton	E-3711
B-1688A	Eaton	E-3775
62253	Eaton	E-3993B
126131	Eaton	E-4515Q-N
5-2245B	Eaton	E-4515Q-N
53387	Eaton	E-4691
543238	Eaton	E-4691
B-1691-56	Eaton	E-4716
EB820083	Eaton	E-4716
191936	Eaton	E-4716
820083	Eaton	E-4716
B-1691-55	Eaton	E-4717
EB820084	Eaton	E-4717
192301	Eaton	E-4717
820084	Eaton	E-4717
B-1691-60	Eaton	E-4718
820088	Eaton	E-4718
B-1691-59	Eaton	E-4719
E-5396	Eaton	E-4719
820087	Eaton	E-4719
EB125031	Eaton	E-4720
125031	Eaton	E-4720
7-806655	Eaton	E-4720
807305	Eaton	E-4720
EB125030	Eaton	E-4721
125030	Eaton	E-4721
7-806654	Eaton	E-4721
807304	Eaton	E-4721
125043	Eaton	E-4722
125042	Eaton	E-4723
35455	Eaton	E-4740
655429	Eaton	E-4740
73694	Eaton	E-4740
35456	Eaton	E-4741
655794	Eaton	E-4741
73695	Eaton	E-4741
F-1691-26	Eaton	E-4885
656160	Eaton	E-4886
70308	Eaton	E-4886
656525	Eaton	E-4887
70309	Eaton	E-4887
1000839	Eaton	E-4888

PART NO.	COMPETITOR	EUCLID NO.
657620	Eaton	E-4888
73700	Eaton	E-4888
1000840	Eaton	E-4889
657985	Eaton	E-4889
73701	Eaton	E-4889
B-1219	Eaton	E-501
B-1223	Eaton	E-502
B12232	Eaton	E-502
820012	Eaton	E-502
EB1006724	Eaton	E-5058
1006724	Eaton	E-5058
EB1006730	Eaton	E-5060
1006730	Eaton	E-5060
EB1006731	Eaton	E-5061
1006731	Eaton	E-5061
EB1006864	Eaton	E-5062
1006864	Eaton	E-5062
EB1006865	Eaton	E-5063
1006865	Eaton	E-5063
EB1008006	Eaton	E-5066
1008006	Eaton	E-5066
EB1008007	Eaton	E-5067
1008007	Eaton	E-5067
32144	Eaton	E-5093
1003999	Eaton	E-5122
82213	Eaton	E-5122
1006562	Eaton	E-5123
78925	Eaton	E-5123
1006500	Eaton	E-5124
1006530	Eaton	E-5127
1008220	Eaton	E-5127
32164	Eaton	E-5127
96486	Eaton	E-5127
1005846	Eaton	E-5128
32173	Eaton	E-5128
99773	Eaton	E-5128
1006726	Eaton	E-5129
658350	Eaton	E-5129
73702	Eaton	E-5129
1006727	Eaton	E-5130
658715	Eaton	E-5130
73703	Eaton	E-5130
1006866	Eaton	E-5131
659811	Eaton	E-5131
73706	Eaton	E-5131
1006867	Eaton	E-5132
660176	Eaton	E-5132
73707	Eaton	E-5132

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
1006728	Eaton	E-5133
659081	Eaton	E-5133
73704	Eaton	E-5133
1006729	Eaton	E-5134
659446	Eaton	E-5134
73705	Eaton	E-5134
1006940	Eaton	E-5135
660542	Eaton	E-5135
73708	Eaton	E-5135
1006941	Eaton	E-5136
660907	Eaton	E-5136
73709	Eaton	E-5136
100503	Eaton	E-5137
1005202	Eaton	E-5137
32175	Eaton	E-5137
1005203	Eaton	E-5138
32106	Eaton	E-5138
75301	Eaton	E-5138
1008306	Eaton	E-5139
5-2242B	Eaton	E-5139
1008325	Eaton	E-5140
130910	Eaton	E-5140
62258	Eaton	E-5140
B-1716	Eaton	E-526
104521	Eaton	E-526
31472	Eaton	E-526
820095	Eaton	E-526
B-1661	Eaton	E-527
E-1661	Eaton	E-527
820063	Eaton	E-527
86230	Eaton	E-527
93198	Eaton	E-535
B-1581	Eaton	E-536
B-2021	Eaton	E-536
EB1000035	Eaton	E-536
E-1581	Eaton	E-536
1000035	Eaton	E-536
820183	Eaton	E-536
91007	Eaton	E-536
96120	Eaton	E-536
X-6-562	Eaton	E-537
821233	Eaton	E-537
B-1214	Eaton	E-538
820007	Eaton	E-538
F-1529	Eaton	E-540
F-940	Eaton	E-540
820394	Eaton	E-540
38034	Eaton	E-545A

PART NO.	COMPETITOR	EUCLID NO.
2-806234	Eaton	E-5477
806234	Eaton	E-5477
2-808058	Eaton	E-5478
808058	Eaton	E-5478
5-808330	Eaton	E-5481A
5-808330B	Eaton	E-5481A
808330	Eaton	E-5481A
2-806380	Eaton	E-5482
806380	Eaton	E-5482
2806380	Eaton	E-5482
7-808708	Eaton	E-5490
808708	Eaton	E-5490
7-808709	Eaton	E-5491
808709	Eaton	E-5491
7-806526	Eaton	E-5492
806526	Eaton	E-5492
7-806527	Eaton	E-5493
806527	Eaton	E-5493
185361	Eaton	E-5494
808078	Eaton	E-5494
185727	Eaton	E-5495
808079	Eaton	E-5495
7-806654	Eaton	E-5496
806654	Eaton	E-5496
7-806655	Eaton	E-5497
806655	Eaton	E-5497
127808	Eaton	E-5501
131275	Eaton	E-5501
78500	Eaton	E-5501
B-1581	Eaton	E-5512
B2021	Eaton	E-5512
EB1000035	Eaton	E-5512
1000035	Eaton	E-5512
17958	Eaton	E-5512
23071	Eaton	E-5512
820183	Eaton	E-5512
B-1211	Eaton	E-563
B-1221	Eaton	E-564
102330	Eaton	E-564
12451	Eaton	E-564
22134	Eaton	E-564
2-807928	Eaton	E-564
807928	Eaton	E-564
85500	Eaton	E-564
F-1530	Eaton	E-572
F-941	Eaton	E-572
B-1213	Eaton	E-579A
B-1216	Eaton	E-580

PART NO.	COMPETITOR	EUCLID NO.
102695	Eaton	E-580
32181	Eaton	E-580
43943	Eaton	E-580
820009	Eaton	E-580
32180	Eaton	E-581
F-18479	Eaton	E-5868-L
F-184710	Eaton	E-5868-R
39074	Eaton	E-595
76003	Eaton	E-595
131520	Eaton	E-596A
39075	Eaton	E-596A
100858006	Eaton	E-6033-L
100858010	Eaton	E-6033-R
22126	Eaton	E-609
61576	Eaton	E-612HD
B-1208-11	Eaton	E-631
B-1662	Eaton	E-654
E-1662	Eaton	E-654
23802	Eaton	E-654
820064	Eaton	E-654
96851	Eaton	E-654
B-1212-1	Eaton	E-656
101964	Eaton	E-656
B-1581	Eaton	E-661
B-2021	Eaton	E-661
EB1000035	Eaton	E-661
1000035	Eaton	E-661
17958	Eaton	E-661
23071	Eaton	E-661
32149	Eaton	E-661
820183	Eaton	E-661
1003000	Eaton	E-667
B-1691-18	Eaton	E-684
189014	Eaton	E-684
B-1691-17	Eaton	E-685
189379	Eaton	E-685
B-1691-48	Eaton	E-686
183170	Eaton	E-686
183535	Eaton	E-687
B1283100	Eaton	E-688
B169146	Eaton	E-688
72403	Eaton	E-688
B-1283-100	Eaton	E-688A
B-1691-46	Eaton	E-688A
B-1691-6	Eaton	E-688A
183900	Eaton	E-688A
72403	Eaton	E-688A
B1283100	Eaton	E-688A

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
B169146	Eaton	E-688A
B128399	Eaton	E-689
B169145	Eaton	E-689
16915	Eaton	E-689
72404	Eaton	E-689
B-1283-99	Eaton	E-689A
B-1691-45	Eaton	E-689A
B-1691-5	Eaton	E-689A
184266	Eaton	E-689A
72404	Eaton	E-689A
B128399	Eaton	E-689A
B169145	Eaton	E-689A
B-1283-10	Eaton	E-690
B-1283-102	Eaton	E-690
B-1691-10	Eaton	E-690
808160	Eaton	E-6900A
815814	Eaton	E-6900A
808184	Eaton	E-6902A
815817	Eaton	E-6902A
808152	Eaton	E-6903A
815820	Eaton	E-6903A
808168	Eaton	E-6905A
815821	Eaton	E-6905A
808164	Eaton	E-6906A
815816	Eaton	E-6906A
808165	Eaton	E-6907A
815815	Eaton	E-6907A
B-1283-101	Eaton	E-691
B-1283-9	Eaton	E-691
B-1691-9	Eaton	E-691
808181	Eaton	E-6912
808182	Eaton	E-6913
815813	Eaton	E-6914A
808113	Eaton	E-6918A
808149	Eaton	E-6918A
808163	Eaton	E-6918A
815811	Eaton	E-6918A
808151	Eaton	E-6919A
815812	Eaton	E-6919A
808161	Eaton	E-6923B
808177	Eaton	E-6923B
317166	Eaton	E-6924B
808162	Eaton	E-6924B
808176	Eaton	E-6924B
808180	Eaton	E-6924B
808688	Eaton	E-6924B
808166	Eaton	E-6925B
808179	Eaton	E-6925B

PART NO.	COMPETITOR	EUCLID NO.
808169	Eaton	E-6927B
808171	Eaton	E-6927B
808178	Eaton	E-6927B
808154	Eaton	E-6928
813656	Eaton	E-6928
808155	Eaton	E-6929
808167	Eaton	E-6933
808172	Eaton	E-6936
808354	Eaton	E-6936
808362	Eaton	E-6936
808382	Eaton	E-6936
813653	Eaton	E-6936
808173	Eaton	E-6940
813652	Eaton	E-6940
813655	Eaton	E-6940
808174	Eaton	E-6942
813649	Eaton	E-6942
808175	Eaton	E-6944
813648	Eaton	E-6944
808170	Eaton	E-6946
813651	Eaton	E-6946
813650	Eaton	E-6947
815810	Eaton	E-6951A
808377	Eaton	E-6952
808384	Eaton	E-6952
1008993	Eaton	E-6954
808105	Eaton	E-6956
808106	Eaton	E-6957
807567	Eaton	E-6958
815819	Eaton	E-6981
815818	Eaton	E-6982
B-1738	Eaton	E-712
E-1738	Eaton	E-712
820112	Eaton	E-712
296272	Eaton	E-719
2-809512	Eaton	E-747
38032	Eaton	E-747
809512	Eaton	E-747
90276	Eaton	E-759
B-1217	Eaton	E-773
B-1214	Eaton	E-801
13547	Eaton	E-801
2-807929	Eaton	E-801
807929	Eaton	E-801
820007	Eaton	E-801
86596	Eaton	E-801
B-1323-1	Eaton	E-864
B-1688A	Eaton	E-886

PART NO.	COMPETITOR	EUCLID NO.
810292	Eaton	E-8907
519132	Eaton	E-8923
53321	Eaton	E-8923
518401	Eaton	E-8925
53319	Eaton	E-8925
813486	Eaton	E-9028
813487	Eaton	E-9029
813480	Eaton	E-9030
813481	Eaton	E-9031
813482	Eaton	E-9032
813483	Eaton	E-9033
813494	Eaton	E-9034
813495	Eaton	E-9035
817017	Eaton	E-9037
812992	Eaton	E-9038
815626	Eaton	E-9039
810316	Eaton	E-9041
810392	Eaton	E-9042
807931	Eaton	E-9043
810390	Eaton	E-9044
810530	Eaton	E-9045
807930	Eaton	E-9046
809068	Eaton	E-9047
810213	Eaton	E-9048
811340	Eaton	E-9050
812118	Eaton	E-9052
35430	Eaton	E-9055
35431	Eaton	E-9056
7-810538	Eaton	E-9057
810538	Eaton	E-9057
825424	Eaton	E-9057
7-810539	Eaton	E-9058
810539	Eaton	E-9058
810025	Eaton	E-9059
825422	Eaton	E-9059
810026	Eaton	E-9060
ACF-002668-00X	Eaton	E-9061
B16919	Eaton	E-9089
B169110	Eaton	E-9090
B-1215	Eaton	E-910
298099	Eaton	E-910
820008	Eaton	E-910
823141	Eaton	E-9141
15008	Eaton	E-920
22141	Eaton	E-920
2-809507	Eaton	E-920
809507	Eaton	E-920

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
88057	Eaton	E-920
63767	Eaton	E-940HD
B-1593-1	Eaton	E-957
18-505	Eaton	E-9649
18-504	Eaton	E-9650
12236	Eaton	E-9659
18-517	Eaton	E-9659
194858	Eaton	E-9659
72433	Eaton	E-9659
12601	Eaton	E-9660
18-516	Eaton	E-9660
195223	Eaton	E-9660
72434	Eaton	E-9660
72435	Eaton	E-9661
40547	Eaton	E-9763
808078	Eaton	E-9763
818426	Eaton	E-9763
40548	Eaton	E-9764
808077	Eaton	E-9764
45530	Eaton	E-9765
76293	Eaton	E-9765
45531	Eaton	E-9766
76294	Eaton	E-9766
807858	Eaton	E-9767
808072	Eaton	E-9767
807859	Eaton	E-9768
808073	Eaton	E-9768
808290	Eaton	E-9769
808291	Eaton	E-9770
807862	Eaton	E-9771
807863	Eaton	E-9772
42195	Eaton	E-573
42209	Eaton	E-2300
42216	Eaton	E-2420
42219	Eaton	E-2423
42220	Eaton	E-2425
42225	Eaton	E-6142
89695	Eaton	E-2474
733108	Eaton	E-2432
804286	Eaton	E-4078
805677	Eaton	E-2474
805679	Eaton	E-9509
807685	Eaton	E-9027
808169	Eaton	R803058
808169	Eaton	R803059
808171	Eaton	R803058
808171	Eaton	R803059
808173	Eaton	R803059

PART NO.	COMPETITOR	EUCLID NO.
808175	Eaton	R803058
808178	Eaton	R803058
808178	Eaton	R803059
813005	Eaton	E-9036
813648	Eaton	R803058
813652	Eaton	R803059
813655	Eaton	R803059
815807	Eaton	R806004A
818569	Eaton	E-9027
818570	Eaton	E-9027
819718	Eaton	E-9036
820396	Eaton	E-573
821231	Eaton	E-3975
821616	Eaton	E-937
1003017	Eaton	E-2801
1005840	Eaton	E-5126
44672E	Eaton	E-937
4515EZF	Eaton	E-3920
4515EZT	Eaton	E-2778
4591S	Eaton	E-2394
B-1559	Eaton	E-541
B-1599	Eaton	E-541
B-1713	Eaton	E-541
B-615-4	Eaton	E-541
E-1559	Eaton	E-541
E-1599	Eaton	E-541
EB1003017	Eaton	E-2801
EB1005840	Eaton	E-5126
EB805677	Eaton	E-2474
ES807772	Eaton	E-8924
F-1202	Eaton	E-618
F-1203	Eaton	E-617
F-1247	Eaton	E-619
F-1531	Eaton	E-573
F-942	Eaton	E-573
X-4212	Eaton	E-3975
52241	Eaton Top Spec	KIT-5
314147	Eaton Top Spec	E-10244S
42198	Eaton Top Spec	E-1251
42199	Eaton Top Spec	E-1252
42201	Eaton Top Spec	E-1253
22133	Eaton Top Spec	E-1269
32169	Eaton Top Spec	E-1272
62248	Eaton Top Spec	E-1357A
72419	Eaton Top Spec	E-1410
72420	Eaton Top Spec	E-1411
22123	Eaton Top Spec	E-1418
72423	Eaton Top Spec	E-1422

PART NO.	COMPETITOR	EUCLID NO.
72424	Eaton Top Spec	E-1423
72412	Eaton Top Spec	E-1424A
72411	Eaton Top Spec	E-1425A
22122	Eaton Top Spec	E-1428A
72443	Eaton Top Spec	E-1563
72444	Eaton Top Spec	E-1564
32183	Eaton Top Spec	E-1565
32150	Eaton Top Spec	E-1567
32157	Eaton Top Spec	E-1571
32158	Eaton Top Spec	E-1577A
72391	Eaton Top Spec	E-1773C
72392	Eaton Top Spec	E-1774C
72395	Eaton Top Spec	E-1775
72396	Eaton Top Spec	E-1776
62257	Eaton Top Spec	E-2090
72448	Eaton Top Spec	E-2099
72447	Eaton Top Spec	E-2100
52240	Eaton Top Spec	E-2121
62256	Eaton Top Spec	E-2122
42200	Eaton Top Spec	E-2128
62254	Eaton Top Spec	E-2287
42206	Eaton Top Spec	E-2296
42207	Eaton Top Spec	E-2297
42208	Eaton Top Spec	E-2298
42205	Eaton Top Spec	E-2299
42210	Eaton Top Spec	E-2301
42222	Eaton Top Spec	E-2303
42224	Eaton Top Spec	E-2304
42223	Eaton Top Spec	E-2305
32161	Eaton Top Spec	E-2361
22143	Eaton Top Spec	E-2389
22129	Eaton Top Spec	E-2390
22136	Eaton Top Spec	E-2392
22109	Eaton Top Spec	E-2395
22261	Eaton Top Spec	E-2396
22121	Eaton Top Spec	E-2398
32717	Eaton Top Spec	E-2405
32168	Eaton Top Spec	E-2406
32153	Eaton Top Spec	E-2407
32154	Eaton Top Spec	E-2408
72405	Eaton Top Spec	E-2412A
72406	Eaton Top Spec	E-2413A
42218	Eaton Top Spec	E-2421
6823	Eaton Top Spec	E-2431
72439	Eaton Top Spec	E-2443B
72440	Eaton Top Spec	E-2444B
72441	Eaton Top Spec	E-2445B
72416	Eaton Top Spec	E-2450A

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
72429	Eaton Top Spec	E-2451A
82069	Eaton Top Spec	E-2458S
90180	Eaton Top Spec	E-2464
32155	Eaton Top Spec	E-2477B
72387	Eaton Top Spec	E-2478B
62709	Eaton Top Spec	E-2526
32706	Eaton Top Spec	E-2551
32714	Eaton Top Spec	E-2690A
72408	Eaton Top Spec	E-2693
72407	Eaton Top Spec	E-2694
32715	Eaton Top Spec	E-2695
62718	Eaton Top Spec	E-2696A
22124	Eaton Top Spec	E-2767
72432	Eaton Top Spec	E-2797
72389	Eaton Top Spec	E-2799
72390	Eaton Top Spec	E-2800
22113	Eaton Top Spec	E-3007A
42195	Eaton Top Spec	E-3008
820396	Eaton Top Spec	E-3008
22112	Eaton Top Spec	E-3227
32192	Eaton Top Spec	E-3478
62710	Eaton Top Spec	E-3520A
L229	Eaton Top Spec	E-3523
22125	Eaton Top Spec	E-5122
22116	Eaton Top Spec	E-5123
32186	Eaton Top Spec	E-526
22117	Eaton Top Spec	E-545A
32149	Eaton Top Spec	E-5512
22139	Eaton Top Spec	E-579A
32180	Eaton Top Spec	E-580
22260	Eaton Top Spec	E-596A
32165	Eaton Top Spec	E-654
22115	Eaton Top Spec	E-747
32147	Eaton Top Spec	E-759
22137	Eaton Top Spec	E-801
32716	Eaton Top Spec	E-910
72436	Eaton Top Spec	E-9662
09SD300R	Flagg	E-09SD300R
K503	Flagg	E-11897
1212SB300R	Flagg	E-1212SB300R
1216SB300R	Flagg	E-1216SB300R
12S	Flagg	E-12S
12SD300R	Flagg	E-12SD300R
16S	Flagg	E-16S
20S	Flagg	E-20S
L1334	Flagg	E-2299
L1353	Flagg	E-2305
24S	Flagg	E-24S

PART NO.	COMPETITOR	EUCLID NO.
24S-LS	Flagg	E-24S-L
L177	Flagg	E-3008
30S	Flagg	E-30S
36S	Flagg	E-36S
TM115	Flagg	E-3991
W504	Flagg	E-8949-R
HS65	Flagg	E-943-2
2024GC	Flagg	E-GC2024
2424GC	Flagg	E-GC2424
2424GC-LS	Flagg	E-GC2424L
2430GC	Flagg	E-GC2430
2430GC-LS	Flagg	E-GC2430L
3030GC	Flagg	E-GC3030
3036GC	Flagg	E-GC3036
3636GC	Flagg	E-GC3636
1624GP	Flagg	E-GP1624
2024GP	Flagg	E-GP2024
2424GP	Flagg	E-GP2424
2424GP-LS	Flagg	E-GP2424L
2430GP	Flagg	E-GP2430
2430GP-LS	Flagg	E-GP2430L
3030GP	Flagg	E-GP3030
3036GP	Flagg	E-GP3036
3636GP	Flagg	E-GP3636
0912PB	Flagg	E-PB0912
0916PB	Flagg	E-PB0916
1212PB	Flagg	E-PB1212
1216PB	Flagg	E-PB1216
L177	Flagg	E-573
W256	Flagg	E-5902
W467	Flagg	E-5821
W536	Flagg	E-5827
OTR1094	Fleetpride / OTR	E-1094
OTR1095	Fleetpride / OTR	E-1095
OTR1147C	Fleetpride / OTR	E-1147C
OTR1148C	Fleetpride / OTR	E-1148C
OTR1422	Fleetpride / OTR	E-1422
OTR1423	Fleetpride / OTR	E-1423
OTR1424A	Fleetpride / OTR	E-1424A
OTR1425A	Fleetpride / OTR	E-1425A
OTR1563	Fleetpride / OTR	E-1563
OTR1564	Fleetpride / OTR	E-1564
OTR1775	Fleetpride / OTR	E-1775
OTR1776	Fleetpride / OTR	E-1776
OTR2099	Fleetpride / OTR	E-2099
OTR2100	Fleetpride / OTR	E-2100
OTR3854	Fleetpride / OTR	E-3854
OTR3855	Fleetpride / OTR	E-3855

PART NO.	COMPETITOR	EUCLID NO.
OTR3856	Fleetpride / OTR	E-3856
OTR3857	Fleetpride / OTR	E-3857
OTR4884	Fleetpride / OTR	E-4884
OTR4885	Fleetpride / OTR	E-4885
OTR5522	Fleetpride / OTR	E-5522
OTR5523	Fleetpride / OTR	E-5523
OTR5524	Fleetpride / OTR	E-5524
OTR5525	Fleetpride / OTR	E-5525
OTR5526	Fleetpride / OTR	E-5526
OTR5527	Fleetpride / OTR	E-5527
OTR9059	Fleetpride / OTR	E-9059
OTR9060	Fleetpride / OTR	E-9060
OTR9098	Fleetpride / OTR	E-9098
OTR9099	Fleetpride / OTR	E-9099
OTR9100	Fleetpride / OTR	E-9100
OTR9101	Fleetpride / OTR	E-9101
OTR9649	Fleetpride / OTR	E-9649
OTR9650	Fleetpride / OTR	E-9650
OTR9659	Fleetpride / OTR	E-9659
OTR9660	Fleetpride / OTR	E-9660
OTR9661	Fleetpride / OTR	E-9661
OTR9662	Fleetpride / OTR	E-9662
OTR9671	Fleetpride / OTR	E-9671
OTR9672	Fleetpride / OTR	E-9672
OTR9733	Fleetpride / OTR	E-9733
OTR9734	Fleetpride / OTR	E-9734
OTR9761	Fleetpride / OTR	E-9761
OTR9762	Fleetpride / OTR	E-9762
E6HZ1120B	Ford	E-10235
C6TZ2125B	Ford	E-1025
F65Z2078BA	Ford	E-1120-1
F6TZ2140BA	Ford	E-1121-1
F75Z2140KA	Ford	E-1121-1
C6TZ2125A	Ford	E-1418
C8TZ2296A	Ford	E-1428A
C8TZ2316B	Ford	E-1775
C8TZ2317B	Ford	E-1776
8QH2130C	Ford	E-1782
C6TZ2125B	Ford	E-2101
B5QH2395A	Ford	E-2217A
8EB3293	Ford	E-2297
8EB1195	Ford	E-2298
C9HZ3295A	Ford	E-2299
B3TZ1001A	Ford	E-2431
A8TZ1001C	Ford	E-2433
C6TS1144A	Ford	E-2435
A8TZ1001D	Ford	E-2437
EQH1124	Ford	E-2461

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
D7HZ4245A	Ford	E-2462
7EQ1124	Ford	E-3008
B1QH2318A	Ford	E-3234
D5HZ3104A	Ford	E-4861
D5UZ4255A	Ford	E-4863
D5HZ1195C	Ford	E-4869
B6Y1124A	Ford	E-4878
35867158B	Ford	E-4958
511108	Ford	E-4988-L
511107	Ford	E-4988-R
09B2025	Ford	E-501
35581657	Ford	E-5018
D8HT1043AA	Ford	E-5571A
81T1119	Ford	E-5588-L
81T1118	Ford	E-5588-R
TCAA1107A	Ford	E-5610-R
BB1121	Ford	E-5652-L
BB1120	Ford	E-5652-R
C3TZ1120A	Ford	E-5704
7EQ1119	Ford	E-5718-L
7EQ1118	Ford	E-5718-R
BB1142A	Ford	E-5736
BB1142B	Ford	E-5737
3651372	Ford	E-5738
7EQ1142	Ford	E-5740
C3TZ1118A	Ford	E-5775
C8TZ2130A	Ford	E-580
B5QH2395A	Ford	E-595
C3TZ4A106A	Ford	E-5957
B8QH1142A	Ford	E-5960
B5QH2045A	Ford	E-596A
BB1135	Ford	E-5977-L
BB1134	Ford	E-5977-R
E8HZ2027A	Ford	E-7231
E6HZ2035A	Ford	E-7232
E8HZ2035A	Ford	E-7232
E8HZ2237A	Ford	E-7235
E8HZ2045A	Ford	E-7237
E6HZ2296A	Ford	E-7238
E8HZ2296A	Ford	E-7238
BB1133	Ford	E-7895-L
BB1132	Ford	E-7895-R
E4HZ1108B	Ford	E-8957-L
E4HZ1107B	Ford	E-8957-R
DOTZ1119A	Ford	E-8959-L
388381	Ford	E-8959-L
DOTZ1107A	Ford	E-8959-R
388380	Ford	E-8959-R

PART NO.	COMPETITOR	EUCLID NO.
E6HZ1107A	Ford	E-8960
E4HZ1108E	Ford	E-8972-L
E8HZ1107B	Ford	E-8972-L
E4HZ1107E	Ford	E-8972-R
E8HZ1107A	Ford	E-8972-R
C7TZ1121A	Ford	E-9012-L
C7TZ1120A	Ford	E-9012-R
E6HZ1120A	Ford	E-9020
351163S	Ford	E-4859
8Q1151	Ford	E-4990A
7EQ1124	Ford	E-573
7EQ1124A	Ford	E-573
D7HZ4255A	Ford	E-6142
1197146	Freightliner	E-10200-L
1197147	Freightliner	E-10200-R
11971415	Freightliner	E-5929-L
11971416	Freightliner	E-5929-R
11971413	Freightliner	E-5930-L
11971414	Freightliner	E-5930-R
11971411	Freightliner	E-5931-L
11971412	Freightliner	E-5931-R
1197142	Freightliner	E-5932-L
1197143	Freightliner	E-5932-R
1197140	Freightliner	E-5933-L
1197141	Freightliner	E-5933-R
1197144	Freightliner	E-5989-L
1197145	Freightliner	E-5989-R
1096071	Freightliner	E-5990-L
1096070	Freightliner	E-5990-R
11108390	Freightliner	E-6058-L
11108391	Freightliner	E-6058-R
11108392	Freightliner	E-6059-L
11108393	Freightliner	E-6059-R
MBC-BK0027	Fruehauf	KIT-4SHD
MBC-BK0014	Fruehauf	KIT-5
MBCBK0014	Fruehauf	KIT-5
APA11972	Fruehauf	E-10253-L
APA11971	Fruehauf	E-10253-R
MSA400-10211	Fruehauf	E-11403
MSA400-10211	Fruehauf	E-11415
MSA400-10211	Fruehauf	E-11416
MSA400-10215	Fruehauf	E-11902
219295	Fruehauf	E-1269
MRS061879	Fruehauf	E-1424A
MRS-061879	Fruehauf	E-1424A
219317	Fruehauf	E-1424A
580444	Fruehauf	E-1424A
MRS061878	Fruehauf	E-1425A

PART NO.	COMPETITOR	EUCLID NO.
MRS-061878	Fruehauf	E-1425A
219316	Fruehauf	E-1425A
580443	Fruehauf	E-1425A
219295	Fruehauf	E-1426
AXA000409001	Fruehauf	E-1559
AXA04091	Fruehauf	E-1559
AXA000408001	Fruehauf	E-1561
AXA04081	Fruehauf	E-1561
AXA-000420-001	Fruehauf	E-1563
AXA-0420-1	Fruehauf	E-1563
AXA-000420-002	Fruehauf	E-1564
AXA-0420-2	Fruehauf	E-1564
AXA-000417-001	Fruehauf	E-1565
AXA000417001	Fruehauf	E-1565
AXA-000413-900	Fruehauf	E-1567
AXA-0413-900	Fruehauf	E-1567
AXA000413900	Fruehauf	E-1567
AXA0413900	Fruehauf	E-1567
AXA-000418-001	Fruehauf	E-1569
AXA-000429-PKG	Fruehauf	E-1571
AXA-000429-900	Fruehauf	E-1571
AXA-0429-900	Fruehauf	E-1571
AXA000429PKG	Fruehauf	E-1571
AXA0429900	Fruehauf	E-1571
ACF-000015-PK1	Fruehauf	E-1574HD
ACF-000015-001	Fruehauf	E-1574HD
AXA-000449-001	Fruehauf	E-1574HD
AXA-001011-001	Fruehauf	E-1574HD
ACF000015001	Fruehauf	E-1574HD
AXA000449001	Fruehauf	E-1574HD
AXA001011001	Fruehauf	E-1574HD
ACF-000015-PK1	Fruehauf	E-1574S-BK
ACD-002285-900	Fruehauf	E-1577A
ACD-2285-900	Fruehauf	E-1577A
ACD002285900	Fruehauf	E-1577A
ACD2285900	Fruehauf	E-1577A
ACD-002233-001	Fruehauf	E-1581

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
ACD-2233-1	Fruehauf	E-1581
ACD002233001	Fruehauf	E-1581
ACD22331	Fruehauf	E-1581
ACD-002232-PK1	Fruehauf	E-1582
ACD-002232-001	Fruehauf	E-1582
ACD002232PK1	Fruehauf	E-1582
ACD002232001	Fruehauf	E-1582
ACD-002287-001	Fruehauf	E-1583
ACD002287001	Fruehauf	E-1583
ACC-005963-900	Fruehauf	E-1597A
AXA000432001	Fruehauf	E-1782
219293	Fruehauf	E-1782
MRS-009001	Fruehauf	E-1816HD
MBC-BK0022	Fruehauf	E-1816SHD
MRS-009001	Fruehauf	E-1816SHD
MN-W93400502D	Fruehauf	E-1828
MN-W93400502S	Fruehauf	E-1828
219310	Fruehauf	E-1880B
MBC-BK0030	Fruehauf	E-1887ASHD
8-1042	Fruehauf	E-1887ASHD
AXA-000420-900	Fruehauf	E-2090
AXA-000420-003	Fruehauf	E-2099
AXA-0420-3	Fruehauf	E-2099
AXA-000420-004	Fruehauf	E-2100
AXA-0420-4	Fruehauf	E-2100
219162	Fruehauf	E-2119
ACC-001996-902	Fruehauf	E-2121
ACC001996902	Fruehauf	E-2121
MBC-BK0013	Fruehauf	E-2121HD
305680-900	Fruehauf	E-2122
330733	Fruehauf	E-2177
219299	Fruehauf	E-2218
MBC-BK0015	Fruehauf	E-2286
103426	Fruehauf	E-2306
MRS061113	Fruehauf	E-2441B
MRS-061113	Fruehauf	E-2441B
MRS061112	Fruehauf	E-2442B
MRS-061112	Fruehauf	E-2442B
515148	Fruehauf	E-2477B
ACE008510001	Fruehauf	E-2550

PART NO.	COMPETITOR	EUCLID NO.
ACE85101	Fruehauf	E-2550
ACF-003079-PK1	Fruehauf	E-2767
ACF-003079-001	Fruehauf	E-2767
ACF003079PK1	Fruehauf	E-2767
ACF003079001	Fruehauf	E-2767
MRS-008000	Fruehauf	E-2769HD
MBC-BK0020	Fruehauf	E-2769S
MRS-008000	Fruehauf	E-2769S
ACE-006367-006	Fruehauf	E-30S
ACE-006367-025	Fruehauf	E-30S
ACE006367006	Fruehauf	E-30S
ACE006367025	Fruehauf	E-30S
ACF-001328-001	Fruehauf	E-3227
ACF-1328-1	Fruehauf	E-3227
ACF001328001	Fruehauf	E-3227
ACF13281	Fruehauf	E-3227
ACE-009911-EX1	Fruehauf	E-3228
ACE-009911-PKG	Fruehauf	E-3228
ACE-009911-001	Fruehauf	E-3228
MBC-BK0024	Fruehauf	E-3484
ACE-009911-PKG	Fruehauf	E-3490B
ACF-006414-001	Fruehauf	E-3490B
ACC-001996-923	Fruehauf	E-3710HD
ACC-001996-923	Fruehauf	E-3710S
MBC-BK0010	Fruehauf	E-3710SHD
ACF-003378-001	Fruehauf	E-3711
966691	Fruehauf	E-3775
966692	Fruehauf	E-3775
ACE-006116-001	Fruehauf	E-3781
ACF-006608-001	Fruehauf	E-3781
ACF-006608-002	Fruehauf	E-3781
AXA-000402-001	Fruehauf	E-3781
AXA-000420-006	Fruehauf	E-3861
AXA04205	Fruehauf	E-3861

PART NO.	COMPETITOR	EUCLID NO.
AXA-0420-6	Fruehauf	E-3861
AXA-000420-005	Fruehauf	E-3862
AXA-0420-5	Fruehauf	E-3862
AXA04206	Fruehauf	E-3862
MBC-BK0021	Fruehauf	E-3895S
ACF-004024-001	Fruehauf	E-4586
AXA-000403-001	Fruehauf	E-4586
ACF004024001	Fruehauf	E-4586
AXA000403001	Fruehauf	E-4586
ACF-004021-001	Fruehauf	E-4587
ACF-004022-001	Fruehauf	E-4587
SEE NOTE	Fruehauf	E-4587
ACF004021001	Fruehauf	E-4587
ACF004022001	Fruehauf	E-4587
ACF-004024-902	Fruehauf	E-4593
ACF-4022-1	Fruehauf	E-4593
ACF004024902	Fruehauf	E-4593
ACF40221	Fruehauf	E-4593
ACF-004024-900	Fruehauf	E-4594
ACF004024900	Fruehauf	E-4594
ACD-002193-PK6	Fruehauf	E-4890
ACD-002193-006	Fruehauf	E-4890
ACD-2193-6	Fruehauf	E-4890
ACD002193PK6	Fruehauf	E-4890
ACD002193006	Fruehauf	E-4890
ACD-002193-PK5	Fruehauf	E-4891
ACD-002193-005	Fruehauf	E-4891
ACD-2193-5	Fruehauf	E-4891
ACD002193PK5	Fruehauf	E-4891
ACD002193005	Fruehauf	E-4891
MRS062099	Fruehauf	E-4900
MRS062100	Fruehauf	E-4901
535860PKG	Fruehauf	E-4958
582887	Fruehauf	E-4969-L
582886	Fruehauf	E-4969-R
536365	Fruehauf	E-4988-L
219162	Fruehauf	E-502
MRMT1704D	Fruehauf	E-5032
MRMOT1704	Fruehauf	E-5032

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
535406	Fruehauf	E-5044
330673	Fruehauf	E-512
ACE-009910-001	Fruehauf	E-523
330733	Fruehauf	E-523
219160	Fruehauf	E-526
253395	Fruehauf	E-527
515148	Fruehauf	E-535
61608	Fruehauf	E-535
515147	Fruehauf	E-536
219295	Fruehauf	E-537
219156	Fruehauf	E-538
330734	Fruehauf	E-539
219311	Fruehauf	E-543
219310	Fruehauf	E-545A
MEY808708	Fruehauf	E-5490
MEY808709	Fruehauf	E-5491
515147	Fruehauf	E-5512
502786	Fruehauf	E-5551-L
502787	Fruehauf	E-5551-R
535921	Fruehauf	E-5553-L
535920	Fruehauf	E-5553-R
MXCX01559	Fruehauf	E-5556-L
534781	Fruehauf	E-5556-L
534780	Fruehauf	E-5556-R
534785	Fruehauf	E-5557-L
534784	Fruehauf	E-5557-R
534771	Fruehauf	E-5558-L
534770	Fruehauf	E-5558-R
534783	Fruehauf	E-5559-L
534782	Fruehauf	E-5559-R
219317	Fruehauf	E-556
580444	Fruehauf	E-556
509360	Fruehauf	E-5560-L
508865	Fruehauf	E-5560-R
534773	Fruehauf	E-5561-L
534772	Fruehauf	E-5561-R
219316	Fruehauf	E-557
580443	Fruehauf	E-557
535414	Fruehauf	E-5572A
ACD007629PK4	Fruehauf	E-5589-L
ACD7629PK2	Fruehauf	E-5589-L
582885	Fruehauf	E-5589-L
ACD007629PK3	Fruehauf	E-5589-R
ACD7629PK1	Fruehauf	E-5589-R
582884	Fruehauf	E-5589-R
219296	Fruehauf	E-563
219179	Fruehauf	E-564

PART NO.	COMPETITOR	EUCLID NO.
219179PKG	Fruehauf	E-564
MWCX01804	Fruehauf	E-5652-L
534769	Fruehauf	E-5652-L
MWCX01803	Fruehauf	E-5652-R
534768	Fruehauf	E-5652-R
298484	Fruehauf	E-5719-L
298485	Fruehauf	E-5719-R
219297	Fruehauf	E-579A
254253	Fruehauf	E-579A
AXA-000432-001	Fruehauf	E-580
219293	Fruehauf	E-580
219292	Fruehauf	E-581
MWCX01832	Fruehauf	E-5977-L
MW-CX0183200Y	Fruehauf	E-5977-L
534765	Fruehauf	E-5977-L
MWCX01831	Fruehauf	E-5977-R
MW-CX0183100Y	Fruehauf	E-5977-R
534764	Fruehauf	E-5977-R
MWCX01874	Fruehauf	E-5978-L
MWCX01873	Fruehauf	E-5978-R
MWCX02139	Fruehauf	E-5988-L
MWCX02138	Fruehauf	E-5988-R
MWC-089774	Fruehauf	E-6001A
MWC-101150	Fruehauf	E-6026-L
MWC-101150	Fruehauf	E-6026-R
MWC-101150	Fruehauf	E-6027-L
MWC-101150	Fruehauf	E-6027-R
219157	Fruehauf	E-603
578322	Fruehauf	E-609
219148	Fruehauf	E-656
219158	Fruehauf	E-656
515147	Fruehauf	E-661
305681	Fruehauf	E-684
305680	Fruehauf	E-685
MSA400-10002	Fruehauf	E-6907A
MSA400-10215	Fruehauf	E-6940
MSA400-10212	Fruehauf	E-6942
MSA400-10211	Fruehauf	E-6944
MSA400-10214	Fruehauf	E-6946
583015	Fruehauf	E-747
102570	Fruehauf	E-773
MWCX01829	Fruehauf	E-7895-L
534767	Fruehauf	E-7895-L
MWCX01828	Fruehauf	E-7895-R
534766	Fruehauf	E-7895-R

PART NO.	COMPETITOR	EUCLID NO.
MWCX01836	Fruehauf	E-7896-L
334817	Fruehauf	E-7896-L
MWCX01835	Fruehauf	E-7896-R
334816	Fruehauf	E-7896-R
226604	Fruehauf	E-7898-L
226605	Fruehauf	E-7898-R
966691	Fruehauf	E-886
966692	Fruehauf	E-886
MMGW1061L	Fruehauf	E-8977-L
MMGW1061R	Fruehauf	E-8977-R
AXA-000068	Fruehauf	E-920
ACA-003265	Fruehauf	E-943
SEE NOTE	Fruehauf	E-943
530596	Fruehauf	E-943
APA000998001	Fruehauf	E-9761
APA0998-1	Fruehauf	E-9761
APA000998002	Fruehauf	E-9762
APA0998-2	Fruehauf	E-9762
219299	Fruehauf	E-541
530085	Fruehauf	E-620
ACF003379001	Fruehauf	E-3920
ACF-004362-001	Fruehauf	E-2778
FSP-006-02-009	Fruehauf	E-937
FSP-006-02-PK9	Fruehauf	E-937
MDS001326	Fruehauf	E-8954-R
MDS001327	Fruehauf	E-8954-L
MFAKP-LOCK-900	Fruehauf	E-702A
MHS-010562	Fruehauf	E-937
MRM-014250-001	Fruehauf	E-3975
MRM-014250-01D	Fruehauf	E-3975
MRM-014250-01S	Fruehauf	E-3975
MRM-0T5495	Fruehauf	E-937
MRM-T5495D	Fruehauf	E-937
MRM-T5495S	Fruehauf	E-937
MSA400-10211	Fruehauf	R803058
MSA400-10215	Fruehauf	R803059
2095341	GM	E-10201-L
15514382	GM	E-10202-R
2202033	GM	E-10229
3694508	GM	E-10229
3697043	GM	E-10230
15642921	GM	E-10235

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
3774254	GM	E-1302
3772284	GM	E-1304
3772285	GM	E-1305
3772283	GM	E-1337
2277334	GM	E-1781
2295551	GM	E-2177
2326940	GM	E-2217A
2310537	GM	E-2433
2310540	GM	E-2435
2362287	GM	E-2435
2362158	GM	E-2437
2321015	GM	E-2438
3703711	GM	E-4858
473629	GM	E-4873
3874371	GM	E-4876
3936464	GM	E-4879
2024990	GM	E-4962
3723967	GM	E-4967-L
3723968	GM	E-4967-R
3726212	GM	E-5007
125629	GM	E-5008
373912	GM	E-5008
2009343	GM	E-501
576140	GM	E-5040A
2398447	GM	E-5044
2295423	GM	E-512
2295551	GM	E-523
2101124	GM	E-526
2305192	GM	E-535
2309474	GM	E-536
652443	GM	E-538
2408341	GM	E-540
2398446	GM	E-5570
5667139	GM	E-5571A
2393267	GM	E-5572A
2101126	GM	E-564
3729737	GM	E-5652-L
3729738	GM	E-5652-R
3763619	GM	E-5682
3765876	GM	E-5683
2019459	GM	E-5708
3771410	GM	E-5734
2124231	GM	E-5737
3651372	GM	E-5738
2019573	GM	E-5743
658049	GM	E-580
644158	GM	E-5841
2356111	GM	E-586

PART NO.	COMPETITOR	EUCLID NO.
3988631	GM	E-5892
2326940	GM	E-595
652328	GM	E-5957
2231319	GM	E-5960
2326941	GM	E-596A
279671	GM	E-5977-L
3735549	GM	E-5977-L
279670	GM	E-5977-R
3735550	GM	E-5977-R
279673	GM	E-7895-L
3752789	GM	E-7895-L
279672	GM	E-7895-R
3752790	GM	E-7895-R
704173	GM	E-8961
3874369	GM	E-8962
3988538	GM	E-8963
334386	GM	E-8964
355815	GM	E-8965
15580833	GM	E-8969-L
15580830	GM	E-8969-R
15552787	GM	E-8972-L
15552788	GM	E-8972-R
02210240	GM	E-8993-L
02210239	GM	E-8993-R
2071619	GM	E-9021
3774253	GM	E-979
3772286	GM	E-980
GBH4719E	Gorilla	E-10760
GBH1225	Gorilla	E-10875
GBH1308E	Gorilla	E-1308E
GBH1308Q	Gorilla	E-1308Q
GBH1308Q-88	Gorilla	E-1308Q
GBH1225D	Gorilla	E-2030HD
GBH1225E	Gorilla	E-2126
GBH1225F	Gorilla	E-2286
GBH1225SF	Gorilla	E-2402HD
GBH1225SF-55	Gorilla	E-2403HD
GBH1535W	Gorilla	E-2740
GBH1800E	Gorilla	E-2821
GBH1225D-51	Gorilla	E-3373HD
GBH1225Q	Gorilla	E-3484
GBH1225DU	Gorilla	E-3782
GBH4311EHM	Gorilla	E-3801
GBH4311E	Gorilla	E-4311EHD-N
GBH4515P-1	Gorilla	E-4515P
GBH4515P-61	Gorilla	E-4515P
GBH4515P	Gorilla	E-4515PHD
GBH4515P-63	Gorilla	E-4515PHD

PART NO.	COMPETITOR	EUCLID NO.
GBH4515Q-3	Gorilla	E-4515QHD-N
GBH4515Q-34	Gorilla	E-4515QMBHD-N
GBH4515Q-83	Gorilla	E-4515QMBHD-N
GBH4515Q-14	Gorilla	E-4515QMB-N
GBH4515Q-81	Gorilla	E-4515QMB-N
GBH4515Q-1	Gorilla	E-4515Q-N
GBH4515QFL	Gorilla	E-4515U
GBH4515Q-881	Gorilla	E-4515U
GBH4515F-1	Gorilla	E-4515X
GBH4515F-3	Gorilla	E-4515XHD
GBH1308T	Gorilla	E-4691
GBH1308T-88	Gorilla	E-4691
GBH4702Q	Gorilla	E-4702-KT
GBH4709E-12	Gorilla	E-4709ES2-N
GBH4709E	Gorilla	E-4709ES-N
GBH1225DU-53	Gorilla	E-5306
GBH4515XL	Gorilla	E-5515
GBH1500B	Gorilla	E-7231
GBH1657B	Gorilla	E-7237
GBH1657B-88	Gorilla	E-7238
GBH4717E	Gorilla	E-9039
GBH4716E	Gorilla	E-9141
GBH1225D-51	Gorilla	E-9281
GBH1225D-52	Gorilla	E-9281
GBH1225SF-55	Gorilla	E-9282
GBH1225DU	Gorilla	E-9283
GBH1225DU-54	Gorilla	E-9283
GBH4515QM	Gorilla	E-9644
GL-1010	Great Lakes	E-10253-L
GL-1009	Great Lakes	E-10253-R
GL2010	Great Lakes	E-10254-L
GL2009	Great Lakes	E-10254-R
GL-2906	Great Lakes	E-15680
GL-2919	Great Lakes	E-15681
GL-2928	Great Lakes	E-15682
GL-2939	Great Lakes	E-15683
GL-3002	Great Lakes	E-4956A
GL-3003	Great Lakes	E-4956A
GL-3001	Great Lakes	E-4958
GL-2408	Great Lakes	E-4961A
GL-3004	Great Lakes	E-4962
GL-3005	Great Lakes	E-4963
GL-3098	Great Lakes	E-5040A
GL-2124	Great Lakes	E-5554-L
GL-2123	Great Lakes	E-5554-R
GL-3096	Great Lakes	E-5571A

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
GL-3097	Great Lakes	E-5572A
W97	Great Lakes	E-5572A
GL-2008	Great Lakes	E-5576-L
GL-2007	Great Lakes	E-5576-R
GL-2014	Great Lakes	E-5579-L
GL-2013	Great Lakes	E-5579-R
GL-2102	Great Lakes	E-5652-L
X1804	Great Lakes	E-5652-L
GL-2101	Great Lakes	E-5652-R
X1803	Great Lakes	E-5652-R
GL-2205	Great Lakes	E-5704
X1342	Great Lakes	E-5704
B612	Great Lakes	E-5706
GL-2202	Great Lakes	E-5734
X1110	Great Lakes	E-5734
W103	Great Lakes	E-5784A
GL-3158	Great Lakes	E-5885
GL-3246	Great Lakes	E-5890
GL-3247	Great Lakes	E-5891
GL-2201	Great Lakes	E-5892
X1470	Great Lakes	E-5892
GL-3255	Great Lakes	E-5904A
W255	Great Lakes	E-5904A
GL-3258	Great Lakes	E-5906
GL-2004	Great Lakes	E-5977-L
GL-2003	Great Lakes	E-5977-R
X1873	Great Lakes	E-5978-R
X1874	Great Lakes	E-5978-R
GL-1012	Great Lakes	E-5988-L
GL-1011	Great Lakes	E-5988-R
X2138	Great Lakes	E-5988-R
GL-2302	Great Lakes	E-5991
X2143	Great Lakes	E-5991
GL-2104	Great Lakes	E-5995-L
GL-2103	Great Lakes	E-5995-R
GL-2022	Great Lakes	E-5996-L
GL-2021	Great Lakes	E-5996-R
GL-2301	Great Lakes	E-6000A
X2156	Great Lakes	E-6000A
GL-3294	Great Lakes	E-6054
W494	Great Lakes	E-6054
GL-2006	Great Lakes	E-6060-L
GL-2005	Great Lakes	E-6060-R
GL-3006	Great Lakes	E-7775
GL-1002	Great Lakes	E-7895-L
GL-1001	Great Lakes	E-7895-R
GL-1004	Great Lakes	E-7896-L
GL-1003	Great Lakes	E-7896-R

PART NO.	COMPETITOR	EUCLID NO.
GL-1006	Great Lakes	E-7897-L
GL-1005	Great Lakes	E-7897-R
GL-1008	Great Lakes	E-7898-L
GL-1007	Great Lakes	E-7898-R
GL-2203	Great Lakes	E-9022-R
GL-3244	Great Lakes	E-9023
GL-0345	Great Lakes	E-700
GL-2105	Great Lakes	E-5578-R
GL-3030	Great Lakes	E-702A
GL-3085	Great Lakes	E-5926
GL-3087	Great Lakes	E-5838
GL-3112	Great Lakes	E-5827
GL-3113	Great Lakes	E-5828
GL-3243	Great Lakes	E-5902
GL-3263	Great Lakes	E-6053
GL-3271	Great Lakes	E-5781
GL-3279	Great Lakes	E-5821
GL-3298	Great Lakes	E-5953
W-112	Great Lakes	E-5827
W-113	Great Lakes	E-5828
W-121	Great Lakes	E-5781
W-243	Great Lakes	E-5902
W-249	Great Lakes	E-5821
W-263	Great Lakes	E-6053
W-68	Great Lakes	E-5953
W-85	Great Lakes	E-5926
AS1171	Gunite	E-15054
AS1176	Gunite	E-15059
AS1179	Gunite	E-15060
W1006L	Gunite	E-10201-L
W-1091R	Gunite	E-10202-R
W-1064L	Gunite	E-10206-L
W-1064R	Gunite	E-10206-R
K-34460	Gunite	E-10229
W1196	Gunite	E-10676
W1249	Gunite	E-10676
W1403	Gunite	E-10676
AS1036	Gunite	E-11395
R801001	Gunite	E-11395
AS1032	Gunite	E-11398
AS1132	Gunite	E-11398
E-11398	Gunite	E-11398
AS1140	Gunite	E-11401
R801073	Gunite	E-11401
W1270	Gunite	E-14640
AS1031	Gunite	E-15015
AS1131	Gunite	E-15015
AS1032	Gunite	E-15016

PART NO.	COMPETITOR	EUCLID NO.
AS1132	Gunite	E-15016
AS1033	Gunite	E-15017
AS1133	Gunite	E-15017
AS1034	Gunite	E-15018
AS1134	Gunite	E-15018
AS1035	Gunite	E-15019
AS1135	Gunite	E-15019
AS1036	Gunite	E-15020
AS1136	Gunite	E-15020
AS1037	Gunite	E-15021
AS1137	Gunite	E-15021
AS1038	Gunite	E-15022
AS1138	Gunite	E-15022
AS1039	Gunite	E-15023
AS1139	Gunite	E-15023
AS1140	Gunite	E-15024
AS1141	Gunite	E-15025
AS1042	Gunite	E-15026
AS1142	Gunite	E-15026
AS1043	Gunite	E-15027
AS1143	Gunite	E-15027
AS1044	Gunite	E-15028
AS1144	Gunite	E-15028
AS1045	Gunite	E-15029
AS1145	Gunite	E-15029
AS1146	Gunite	E-15030
AS1147	Gunite	E-15031
AS1148	Gunite	E-15032
AS1149	Gunite	E-15033
AS1150	Gunite	E-15034
AS1151	Gunite	E-15035
AS1152	Gunite	E-15036
AS1153	Gunite	E-15037
AS1154	Gunite	E-15038
AS1156	Gunite	E-15040
AS1157	Gunite	E-15041
AS1159	Gunite	E-15042
AS1160	Gunite	E-15043
AS1161	Gunite	E-15044
AS1162	Gunite	E-15045
AS1163	Gunite	E-15046
AS1164	Gunite	E-15047
AS1165	Gunite	E-15048
AS1166	Gunite	E-15049
AS1167	Gunite	E-15050
AS1168	Gunite	E-15051
AS1169	Gunite	E-15052
AS1170	Gunite	E-15053

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
AS1172	Gunite	E-15055
AS1173	Gunite	E-15056
AS1174	Gunite	E-15057
AS1175	Gunite	E-15058
AS3000	Gunite	E-15061
AS3001	Gunite	E-15062
AS3002	Gunite	E-15063
AS3003	Gunite	E-15064
AS3012	Gunite	E-15066
AS3013	Gunite	E-15067
AS3015	Gunite	E-15068
AS3016	Gunite	E-15069
AS3017	Gunite	E-15070
AS3018	Gunite	E-15071
AS3019	Gunite	E-15072
AS3021	Gunite	E-15073
W1234	Gunite	E-17001
W1324	Gunite	E-17001
WP147	Gunite	E-4956A
WP855	Gunite	E-4956A
21137	Gunite	E-4961A
WP2	Gunite	E-4962
WP148	Gunite	E-4963
20049	Gunite	E-4988-L
20048	Gunite	E-4988-R
43935	Gunite	E-5007
125629	Gunite	E-5008
30023	Gunite	E-5008
34435	Gunite	E-5032
K25261	Gunite	E-5556-L
K25260	Gunite	E-5556-R
W1049L	Gunite	E-5589-L
26265	Gunite	E-5652-L
25264	Gunite	E-5652-R
46009	Gunite	E-5682
46010	Gunite	E-5683
49748	Gunite	E-5704
WP202	Gunite	E-5706
45681	Gunite	E-5734
WP28	Gunite	E-5796
WP81	Gunite	E-5799
WP174	Gunite	E-5800
WP398	Gunite	E-5837
WP544	Gunite	E-5890
WP545	Gunite	E-5891
W1148L	Gunite	E-5898-L
W1148R	Gunite	E-5898-R
WP1138	Gunite	E-5904A

PART NO.	COMPETITOR	EUCLID NO.
WP383	Gunite	E-5904A
WP846	Gunite	E-5904A
W866	Gunite	E-5906
WP541	Gunite	E-5970
WP845	Gunite	E-5972
34272	Gunite	E-5977-L
34271	Gunite	E-5977-R
W1325	Gunite	E-6034
AS1000	Gunite	E-6923B
AS1003/04	Gunite	E-6924B
AS1001	Gunite	E-6925B
AS1000	Gunite	E-6936
AS1003	Gunite	E-6940
AS1001	Gunite	E-6942
AS1004	Gunite	E-6944
W1104L	Gunite	E-8966-L
W826L	Gunite	E-8966-L
W890L	Gunite	E-8966-L
W1104R	Gunite	E-8966-R
W826R	Gunite	E-8966-R
W890R	Gunite	E-8966-R
W980L	Gunite	E-8968-L
W980R	Gunite	E-8968-R
W981L	Gunite	E-8969-L
W981R	Gunite	E-8969-R
W1118L	Gunite	E-8972-L
W720L	Gunite	E-8972-L
W788L	Gunite	E-8972-L
W988L	Gunite	E-8972-L
W1118R	Gunite	E-8972-R
W720R	Gunite	E-8972-R
W788R	Gunite	E-8972-R
W988R	Gunite	E-8972-R
W1060L	Gunite	E-8976-L
W1060R	Gunite	E-8976-R
W1061L	Gunite	E-8977-L
W1061R	Gunite	E-8977-R
W1073L	Gunite	E-8978-L
W883L	Gunite	E-8978-L
W1073R	Gunite	E-8978-R
W883R	Gunite	E-8978-R
W1133L	Gunite	E-8979-L
W992L	Gunite	E-8979-L
W1133R	Gunite	E-8979-R
W992R	Gunite	E-8979-R
W1160	Gunite	E-8980
W1164	Gunite	E-8981
W1166L	Gunite	E-8982-L

PART NO.	COMPETITOR	EUCLID NO.
W1166R	Gunite	E-8982-R
W1170L	Gunite	E-8983-L
W1170R	Gunite	E-8983-R
W1203L	Gunite	E-8985-L
W1203R	Gunite	E-8985-R
W1205	Gunite	E-8986
W1211	Gunite	E-8987
W1246	Gunite	E-8988
WP725	Gunite	E-9023
AS3001	Gunite	E-9132
09-007295	Gunite	E-5838
AS1032	Gunite	R803195
AS1036	Gunite	R801001
AS1132	Gunite	R803195
WP1	Gunite	E-4990A
WP682	Gunite	E-5974
WP-682	Gunite	E-5974
WP-693	Gunite	E-5944
WP722	Gunite	E-5902
WP-722	Gunite	E-5902
KN48031	Haldex	E-4904S
CS52330	Haldex	E-6987B
CS52331	Haldex	E-6988B
C552331	Haldex	E-6988B
CS52335	Haldex	E-6989B
CS52336	Haldex	E-6990B
CS52315	Haldex	E-6991B
CS52316	Haldex	E-6992B
CS52321	Haldex	E-6993B
CS52320	Haldex	E-6994B
CS52326	Haldex	E-6995B
CS52325	Haldex	E-6996B
KN47011	Haldex	E-940S-BK
MID3030P76	Haldex	EBC3030CPLBX
LC3030R	Haldex	E-LCP3030R
LCP3030R	Haldex	E-LCP3030R
LPP3030K	Haldex	ELPP3030K
67434	Haldex	KIT-5
40010070	Haldex	M807027
40910759	Haldex	M807027
40910416	Haldex	M807031
400-10121	Haldex	M807036
409-10909	Haldex	M807036
41910590	Haldex	M807506
40010590	Haldex	M807506
41910744	Haldex	M807522
30010002	Haldex	M807522
41910745	Haldex	M807523

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
30010003	Haldex	M807523
41910745	Haldex	M807524
30010004	Haldex	M807524
30010007	Haldex	M807525
41910603	Haldex	M807525
30010008	Haldex	M807526
41910604	Haldex	M807526
30010011	Haldex	M807527
41910770	Haldex	M807527
30010041	Haldex	M807528
41910776	Haldex	M807528
30010042	Haldex	M807529
41910777	Haldex	M807529
30010044	Haldex	M807531
41910790	Haldex	M807531
41910849	Haldex	M807532
30010066	Haldex	M807532
41910850	Haldex	M807533
30010067	Haldex	M807533
41910854	Haldex	M807534
30010068	Haldex	M807534
30010185	Haldex	M807535
41910998	Haldex	M807535
30010187	Haldex	M807536
41911001	Haldex	M807536
41979216	Haldex	M807537
41979217	Haldex	M807538
41910182	Haldex	M807539
30010020	Haldex	M807539
41910275	Haldex	M807541
30010025	Haldex	M807541
41910276	Haldex	M807542
30010026	Haldex	M807542
30010033	Haldex	M807543
41910636	Haldex	M807543
41910640	Haldex	M807544
30010034	Haldex	M807544
41910641	Haldex	M807545
30010035	Haldex	M807545
30010038	Haldex	M807546
41910757	Haldex	M807546
41910791	Haldex	M807547
30010045	Haldex	M807547
41910479	Haldex	M807548
30010051	Haldex	M807548
30010052	Haldex	M807549
41910427	Haldex	M807549
41910818	Haldex	M807550

PART NO.	COMPETITOR	EUCLID NO.
30010053	Haldex	M807550
41910185	Haldex	M807551
30010080	Haldex	M807551
41910400	Haldex	M807552
30010100	Haldex	M807552
41910456	Haldex	M807553
30010119	Haldex	M807553
41910836	Haldex	M807554
30010145	Haldex	M807554
41910837	Haldex	M807555
30010146	Haldex	M807555
30010149	Haldex	M807556
41910856	Haldex	M807556
30010174	Haldex	M807557
41910972	Haldex	M807557
30010175	Haldex	M807558
41910973	Haldex	M807558
30010186	Haldex	M807559
41910999	Haldex	M807559
30010188	Haldex	M807560
41911002	Haldex	M807560
419-79772	Haldex	M807570
0900005	Haldex	E-09SD300R
C63060	Haldex	E-10197
C63005	Haldex	E-10198
C63015	Haldex	E-10239
CQ65477	Haldex	E-10244
C66753	Haldex	E-1025
65360	Haldex	E-1025
SN3072BV	Haldex	E-1046
KN47081	Haldex	E-1063HD-BK
CQ67437	Haldex	E-10756
CQ65446	Haldex	E-10760
CS52347	Haldex	E-10779A
CS52346	Haldex	E-10780A
CS52349	Haldex	E-10781A
CS52350	Haldex	E-10783A
CS52358	Haldex	E-10784A
CS52364	Haldex	E-10785A
CS52365	Haldex	E-10788A
65460	Haldex	E-10826
CS41422	Haldex	E-10909
CS41423	Haldex	E-10910
CS41523	Haldex	E-1094
41523	Haldex	E-1094
65365	Haldex	E-1094
CS41522	Haldex	E-1095
41522	Haldex	E-1095

PART NO.	COMPETITOR	EUCLID NO.
65364	Haldex	E-1095
C65561	Haldex	E-1106
65561	Haldex	E-1106
66544	Haldex	E-1106
C66752	Haldex	E-1107
66561	Haldex	E-1108
C65369	Haldex	E-1112A
65369	Haldex	E-1112A
C65373	Haldex	E-1113
65373	Haldex	E-1113
65391	Haldex	E-1128
65397	Haldex	E-1136
66440	Haldex	E-1136
65398	Haldex	E-1137
66439	Haldex	E-1137
65454	Haldex	E-1139
C66425	Haldex	E-1140
65385	Haldex	E-1140
66640	Haldex	E-1140
CS56040	Haldex	E-11401
CQ67417	Haldex	E-11450
CS41017	Haldex	E-1147C
41017	Haldex	E-1147C
65231	Haldex	E-1147C
CS41016	Haldex	E-1148C
41016	Haldex	E-1148C
65322	Haldex	E-1148C
CS41444	Haldex	E-11862
CS41445	Haldex	E-11863
CS41764	Haldex	E-11866
CS41765	Haldex	E-11867
DP24XL	Haldex	E-11888
CQ67443	Haldex	E-11897
CQ69007	Haldex	E-11981
PR24	Haldex	E-11983
PR30	Haldex	E-11984
PR30S1	Haldex	E-11985
PR36	Haldex	E-11986
PR36S1	Haldex	E-11987
RT1	Haldex	E-11988
CP1	Haldex	E-11989
19100	Haldex	E-11989
CP2	Haldex	E-11990
19102	Haldex	E-11990
RTP1	Haldex	E-11991
CB24	Haldex	E-11992
163565	Haldex	E-1212SB300R
1212007	Haldex	E-1212SB300R

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**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
65323	HalDEX	E-1214
65409	HalDEX	E-1215
65400	HalDEX	E-1216
1216007	HalDEX	E-1216SB300R
65401	HalDEX	E-1217
65412	HalDEX	E-1230
66121	HalDEX	E-1251
66122	HalDEX	E-1252
66123	HalDEX	E-1253
C65302	HalDEX	E-1269
65302	HalDEX	E-1269
66851	HalDEX	E-1272
BA1	HalDEX	E-12728
DP36	HalDEX	E-12734
RT2	HalDEX	E-12743
RTP2	HalDEX	E-12746
RTP3	HalDEX	E-12747
CB12	HalDEX	E-12749
CB16	HalDEX	E-12750
CB20S1	HalDEX	E-12752
CF2	HalDEX	E-12757
CS2	HalDEX	E-12761
HW5	HalDEX	E-12766
DP20L	HalDEX	E-12772
DP30L	HalDEX	E-12773
RS5	HalDEX	E-12776
PH30	HalDEX	E-12777
C66750	HalDEX	E-1289
KN36120	HalDEX	E-12S
12S	HalDEX	E-12S
MA36120	HalDEX	E-12S
1200001	HalDEX	E-12S
SC12	HalDEX	E-12S
1200009	HalDEX	E-12SD300R
C67367	HalDEX	E-1302
67367	HalDEX	E-1302
C66632	HalDEX	E-1304
66632	HalDEX	E-1304
C66633	HalDEX	E-1305
67359	HalDEX	E-1314
C66549	HalDEX	E-1318A
66549	HalDEX	E-1318A
66549	HalDEX	E-1318A-BK
C67368	HalDEX	E-1337
67368	HalDEX	E-1337
CQ67329	HalDEX	E-1357A
67329	HalDEX	E-1357A
67329 (2)	HalDEX	E-1357A

PART NO.	COMPETITOR	EUCLID NO.
C67361	HalDEX	E-1385
67361	HalDEX	E-1385
CS41711	HalDEX	E-1393
41711	HalDEX	E-1393
CS41710	HalDEX	E-1394
41710	HalDEX	E-1394
C66653	HalDEX	E-1400
66636	HalDEX	E-1400
66634	HalDEX	E-1402
C66649	HalDEX	E-1403
C66650	HalDEX	E-1406
C67804	HalDEX	E-1408
CS41763	HalDEX	E-1410
41763	HalDEX	E-1410
66553	HalDEX	E-1410
CS41762	HalDEX	E-1411
41762	HalDEX	E-1411
66554	HalDEX	E-1411
C65383	HalDEX	E-1416
65383	HalDEX	E-1416
C66563	HalDEX	E-1416A
67363	HalDEX	E-1416A
C65320	HalDEX	E-1418
65320	HalDEX	E-1418
65320	HalDEX	E-1418-BK
CS41723	HalDEX	E-1420
41723	HalDEX	E-1420
CS41722	HalDEX	E-1421
41722	HalDEX	E-1421
CS41719	HalDEX	E-1422
41719	HalDEX	E-1422
CS41718	HalDEX	E-1423
41718	HalDEX	E-1423
CS41507	HalDEX	E-1424A
41507	HalDEX	E-1424A
65332	HalDEX	E-1424A
CS41506	HalDEX	E-1425A
41506	HalDEX	E-1425A
65333	HalDEX	E-1425A
C63103	HalDEX	E-1426
67365	HalDEX	E-1426
C65450	HalDEX	E-1428A
65450	HalDEX	E-1428A
C66447	HalDEX	E-1458
66447	HalDEX	E-1458
CS41114	HalDEX	E-14820
CS41115	HalDEX	E-14821
CS41110	HalDEX	E-14822

PART NO.	COMPETITOR	EUCLID NO.
CS41111	HalDEX	E-14823
66680	HalDEX	E-1486
CQ36541	HalDEX	E-15061
CQ36544	HalDEX	E-15069
CQ36593	HalDEX	E-15072
65463	HalDEX	E-1561
CS41528	HalDEX	E-1563
CS41728	HalDEX	E-1563
41528	HalDEX	E-1563
41728	HalDEX	E-1563
65370	HalDEX	E-1563
CS41529	HalDEX	E-1564
CS41729	HalDEX	E-1564
41529	HalDEX	E-1564
41729	HalDEX	E-1564
65371	HalDEX	E-1564
C65377	HalDEX	E-1565
65377	HalDEX	E-1565
C65378	HalDEX	E-1567
65378	HalDEX	E-1567
C65379	HalDEX	E-1569
65379	HalDEX	E-1569
C65380	HalDEX	E-1571
65380	HalDEX	E-1571
KN44041	HalDEX	E-1574HD
KN52080	HalDEX	E-1574HD
18535	HalDEX	E-1574HD
18536	HalDEX	E-1574HD
5600	HalDEX	E-1574HD
KN52080	HalDEX	E-1574HD-BK
KN44041	HalDEX	E-1574S-BK
C66645	HalDEX	E-1577A
66645	HalDEX	E-1577A
C67448	HalDEX	E-1581
67448	HalDEX	E-1581
C67447	HalDEX	E-1582
67447	HalDEX	E-1582
C67446	HalDEX	E-1583
67446	HalDEX	E-1583
CQ67357	HalDEX	E-1607HD
67357	HalDEX	E-1607HD
KN36160	HalDEX	E-16S
N36216M	HalDEX	E-16S
16S	HalDEX	E-16S
MA36160	HalDEX	E-16S
1600001	HalDEX	E-16S
SC16	HalDEX	E-16S
CS41015	HalDEX	E-1773C

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PART NO.	COMPETITOR	EUCLID NO.
41015	Haldex	E-1773C
CS41014	Haldex	E-1774C
41014	Haldex	E-1774C
CS41761	Haldex	E-1775
41761	Haldex	E-1775
CS41760	Haldex	E-1776
CS41761	Haldex	E-1776
41760	Haldex	E-1776
41761	Haldex	E-1776
C67374	Haldex	E-1781
67374	Haldex	E-1781
C67375	Haldex	E-1782
67375	Haldex	E-1782
CS41011	Haldex	E-1788
41011	Haldex	E-1788
66555	Haldex	E-1788
CS41010	Haldex	E-1789
41010	Haldex	E-1789
66556	Haldex	E-1789
CQ66735	Haldex	E-1816HD
CQ67317	Haldex	E-1816S
CQ67435	Haldex	E-1816S
67317	Haldex	E-1816S
67352	Haldex	E-1816S
CQ66735	Haldex	E-1816SHD
66735	Haldex	E-1816SHD
C65449	Haldex	E-1880B
65449	Haldex	E-1880B
CQ67319	Haldex	E-1887ASHD
WKH1-J	Haldex	E-1887ASHD
67319	Haldex	E-1887ASHD
C63084	Haldex	E-1893
65372	Haldex	E-1893
65732	Haldex	E-1893
65372	Haldex	E-1893-BK
C65372	Haldex	E-1893S
65473	Haldex	E-2015
C66751	Haldex	E-2029
CQ67397	Haldex	E-2030HD
CQ67327	Haldex	E-2086B
CQ67328	Haldex	E-2086B
67327	Haldex	E-2086B
CQ67331	Haldex	E-2087
67331	Haldex	E-2087
CQ67328	Haldex	E-2088A
67328	Haldex	E-2088A
67328 (2)	Haldex	E-2088A
CQ67328	Haldex	E-2088AHD

PART NO.	COMPETITOR	EUCLID NO.
67328	Haldex	E-2088AHD
CQ67384	Haldex	E-2089
CQ67324	Haldex	E-2090
67324	Haldex	E-2090
67324 (2)	Haldex	E-2090
KN51000	Haldex	E-2091
N2943	Haldex	E-2091
CS41512	Haldex	E-2099
CS41730	Haldex	E-2099
41512	Haldex	E-2099
41730	Haldex	E-2099
KN36200	Haldex	E-20S
N36220AC	Haldex	E-20S
20S	Haldex	E-20S
2000001	Haldex	E-20S
SC20	Haldex	E-20S
CS41513	Haldex	E-2100
CS41731	Haldex	E-2100
41513	Haldex	E-2100
41731	Haldex	E-2100
C63037	Haldex	E-2101
C65476	Haldex	E-2102
65476	Haldex	E-2102
CS41474	Haldex	E-2107
CS41475	Haldex	E-2108
CQ67316	Haldex	E-2121
67316	Haldex	E-2121
CQ67399	Haldex	E-2121HD
WKH1-EF	Haldex	E-2121SHD
CQ66740	Haldex	E-2122
66740	Haldex	E-2122
66740(2)	Haldex	E-2122
CQ67325	Haldex	E-2123
67325	Haldex	E-2123
CQ67326	Haldex	E-2125
67326	Haldex	E-2125
67326(2)	Haldex	E-2125
CQ67388	Haldex	E-2126
66125	Haldex	E-2128
65404	Haldex	E-2153
C65414	Haldex	E-2163
C63022	Haldex	E-2176
C66901	Haldex	E-2177
66901	Haldex	E-2177
66902	Haldex	E-2217A
C65306	Haldex	E-2218
65306	Haldex	E-2218
CQ67394	Haldex	E-2286

PART NO.	COMPETITOR	EUCLID NO.
CQ67332	Haldex	E-2287
67332	Haldex	E-2287
67332 (2)	Haldex	E-2287
C65375	Haldex	E-2291
65375	Haldex	E-2291
66145	Haldex	E-2296
66143	Haldex	E-2297
66144	Haldex	E-2298
66155	Haldex	E-2301
66224	Haldex	E-2303
66225	Haldex	E-2304
66226	Haldex	E-2305
10037	Haldex	E-2307
C66646	Haldex	E-2361
66646	Haldex	E-2361
CQ67334	Haldex	E-2363
CQ67334	Haldex	E-2382
67334	Haldex	E-2382
C67476	Haldex	E-2389
66873	Haldex	E-2389
C67473	Haldex	E-2390
66683	Haldex	E-2390
C67474	Haldex	E-2391
66869	Haldex	E-2391
C67475	Haldex	E-2392
66870	Haldex	E-2392
C67490	Haldex	E-2395
66871	Haldex	E-2395
C67487	Haldex	E-2396
66872	Haldex	E-2396
68872	Haldex	E-2396
C67492	Haldex	E-2398
67492	Haldex	E-2398
C67471	Haldex	E-2399
C63097	Haldex	E-2401
CQ67398	Haldex	E-2402HD
CQ67503	Haldex	E-2403HD
CQ67503B	Haldex	E-2403HD
C65488	Haldex	E-2404
C65491	Haldex	E-2405
67363	Haldex	E-2405
C65494	Haldex	E-2406
65494	Haldex	E-2406
C66859	Haldex	E-2409
66859	Haldex	E-2409
6689	Haldex	E-2409
C66852	Haldex	E-2411A
66852	Haldex	E-2411A

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CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
CS41163	HalDEX	E-2412A
41765	HalDEX	E-2412A
66829	HalDEX	E-2412A
CS41162	HalDEX	E-2413A
41764	HalDEX	E-2413A
66830	HalDEX	E-2413A
C63064	HalDEX	E-2414
66197	HalDEX	E-2421
CS41504	HalDEX	E-2441B
41504	HalDEX	E-2441B
CS41505	HalDEX	E-2442B
41505	HalDEX	E-2442B
CS41526	HalDEX	E-2443B
41526	HalDEX	E-2443B
67370	HalDEX	E-2443B
CS41527	HalDEX	E-2444B
41527	HalDEX	E-2444B
67371	HalDEX	E-2444B
CS41758	HalDEX	E-2445B
41758	HalDEX	E-2445B
CS41759	HalDEX	E-2446B
41759	HalDEX	E-2446B
CS41276	HalDEX	E-2447A
41276	HalDEX	E-2447A
CS41277	HalDEX	E-2448A
41277	HalDEX	E-2448A
CS41532	HalDEX	E-2449A
41532	HalDEX	E-2449A
CS41533	HalDEX	E-2450A
41533	HalDEX	E-2450A
CS41752	HalDEX	E-2451A
41752	HalDEX	E-2451A
CS41753	HalDEX	E-2452A
41753	HalDEX	E-2452A
KN44051	HalDEX	E-2458HD
18531	HalDEX	E-2458HD
3300	HalDEX	E-2458HD
6510	HalDEX	E-2458HD
KN44051	HalDEX	E-2458S
KN44051	HalDEX	E-2458S-BK
KN44061	HalDEX	E-2459HD
18534	HalDEX	E-2459HD
6512	HalDEX	E-2459HD
KN44061	HalDEX	E-2459S-BK
CQ67382	HalDEX	E-2469
C67786	HalDEX	E-2475
C66455	HalDEX	E-2476
C63143	HalDEX	E-2477B

PART NO.	COMPETITOR	EUCLID NO.
65330	HalDEX	E-2477B
CS41029	HalDEX	E-2478B
41003	HalDEX	E-2478B
41029	HalDEX	E-2478B
CS41028	HalDEX	E-2479B
41028	HalDEX	E-2479B
CS41715	HalDEX	E-2492
41715	HalDEX	E-2492
CS41714	HalDEX	E-2493
41714	HalDEX	E-2493
CQ67410	HalDEX	E-2494
KN36240	HalDEX	E-24S
SC24	HalDEX	E-24S
2400001	HalDEX	E-24S
24SL	HalDEX	E-24S-L
SC24L	HalDEX	E-24S-L
2400003	HalDEX	E-24S-L
67358	HalDEX	E-2517
65417	HalDEX	E-2522
CQ67411	HalDEX	E-2526
66101	HalDEX	E-2550
C67018	HalDEX	E-2551
67018	HalDEX	E-2551
66135	HalDEX	E-2660
66831	HalDEX	E-2670
CQ67356	HalDEX	E-2675HD
67356	HalDEX	E-2675HD
CQ67385	HalDEX	E-2679A
CQ67353	HalDEX	E-2680
67353	HalDEX	E-2680
67353 (2)	HalDEX	E-2680
67364	HalDEX	E-2690A
CS41292	HalDEX	E-2693
41293	HalDEX	E-2693
CS41293	HalDEX	E-2694
41292	HalDEX	E-2694
67362	HalDEX	E-2695
CQ67354	HalDEX	E-2696A
67354	HalDEX	E-2696A
67354 (2)	HalDEX	E-2696A
CS41035	HalDEX	E-2700B
41035	HalDEX	E-2700B
CS41034	HalDEX	E-2701B
41034	HalDEX	E-2701B
41036	HalDEX	E-2701B
CQ67314	HalDEX	E-2713
CS41041	HalDEX	E-2714A
CS41040	HalDEX	E-2715A

PART NO.	COMPETITOR	EUCLID NO.
66891	HalDEX	E-2717
66892	HalDEX	E-2720
66893	HalDEX	E-2722
66894	HalDEX	E-2723
C66895	HalDEX	E-2724
66899	HalDEX	E-2733
CQ67313	HalDEX	E-2740
324095	HalDEX	E-2745
BA1	HalDEX	E-2764
1178010	HalDEX	E-2764
19104	HalDEX	E-2764
66866	HalDEX	E-2766S
C66863	HalDEX	E-2767
66863	HalDEX	E-2767
66864	HalDEX	E-2768
CQ66861	HalDEX	E-2769S
CQ66867	HalDEX	E-2769SHD
E-2769SHD-R	HalDEX	E-2769SHD
WKH1-EZT	HalDEX	E-2769SHD
66867	HalDEX	E-2769SHD
C66880	HalDEX	E-2770
65450	HalDEX	E-2785
CS41043	HalDEX	E-2786
41043	HalDEX	E-2786
CS41042	HalDEX	E-2787
41042	HalDEX	E-2787
CS41725	HalDEX	E-2792
CS41724	HalDEX	E-2793
CS41267	HalDEX	E-2794
41267	HalDEX	E-2794
CS41266	HalDEX	E-2795
41266	HalDEX	E-2795
CS41755	HalDEX	E-2796
41755	HalDEX	E-2796
CS41754	HalDEX	E-2797
41754	HalDEX	E-2797
CS41027	HalDEX	E-2799
41027	HalDEX	E-2799
CS41026	HalDEX	E-2800
41026	HalDEX	E-2800
CQ67406	HalDEX	E-2821
66903	HalDEX	E-3007A
66115	HalDEX	E-3008
KN36300	HalDEX	E-30S
30S	HalDEX	E-30S
3000001	HalDEX	E-30S
53000001	HalDEX	E-30S
SC30	HalDEX	E-30S

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
65376	HalDEX	E-3227
CQ66926	HalDEX	E-3291
CQ67335	HalDEX	E-3353A
67336	HalDEX	E-3354
C66841	HalDEX	E-3424
66841	HalDEX	E-3424
C66847	HalDEX	E-3427
C66842	HalDEX	E-3437
CQ66922	HalDEX	E-3446
66922	HalDEX	E-3446
C66690	HalDEX	E-3447
66890	HalDEX	E-3447
CQ66920	HalDEX	E-3468A
C66691	HalDEX	E-3469
66691	HalDEX	E-3469
C66692	HalDEX	E-3471
66692	HalDEX	E-3471
C66697	HalDEX	E-3472
66697	HalDEX	E-3472
C66695	HalDEX	E-3475
66695	HalDEX	E-3475
66693	HalDEX	E-3476
C67001	HalDEX	E-3478
C66699	HalDEX	E-3479
66699	HalDEX	E-3479
C67467	HalDEX	E-3482
67467	HalDEX	E-3482
C67466	HalDEX	E-3483
67466	HalDEX	E-3483
CQ67395	HalDEX	E-3484
C66610	HalDEX	E-3511
66610	HalDEX	E-3511
C66612	HalDEX	E-3512
66612	HalDEX	E-3512
C66611	HalDEX	E-3513
CS41106	HalDEX	E-3516
41510	HalDEX	E-3516
CS41107	HalDEX	E-3517
41511	HalDEX	E-3517
CQ67407	HalDEX	E-3518
CQ65517	HalDEX	E-3520A
CQ67386	HalDEX	E-3520A
CS41050	HalDEX	E-3523
CS41051	HalDEX	E-3524
MA36360	HalDEX	E-36S
3600001	HalDEX	E-36S
SC36	HalDEX	E-36S
CQ66914	HalDEX	E-3710SHD

PART NO.	COMPETITOR	EUCLID NO.
WKH1-EZF	HalDEX	E-3710SHD
WKH1-EZFX	HalDEX	E-3710SHD
66914	HalDEX	E-3710SHD
CQ69002	HalDEX	E-3782
CS41053	HalDEX	E-3854
CS41052	HalDEX	E-3855
CQ69001	HalDEX	E-3869
C69611	HalDEX	E-3870
C69612	HalDEX	E-3871
C66854	HalDEX	E-3873
C66843	HalDEX	E-3874
CQ67408	HalDEX	E-3992
CQ67387	HalDEX	E-3993B
66681	HalDEX	E-3994
CQ67319	HalDEX	E-4311EHD-N
67319	HalDEX	E-4311EHD-N
CQ67317	HalDEX	E-4515P
CQ67435	HalDEX	E-4515P
67317	HalDEX	E-4515P
67352	HalDEX	E-4515P
CQ66735	HalDEX	E-4515PHD
66735	HalDEX	E-4515PHD
CQ66913	HalDEX	E-4515X
66913	HalDEX	E-4515X
CQ66914	HalDEX	E-4515XHD
66914	HalDEX	E-4515XHD
CQ66919	HalDEX	E-4691
66919	HalDEX	E-4691
CQ66923	HalDEX	E-4692
66923	HalDEX	E-4692
CS41037	HalDEX	E-4702B
41037	HalDEX	E-4702B
CS41036	HalDEX	E-4703B
41036	HalDEX	E-4703B
CS41022	HalDEX	E-4705B
41022	HalDEX	E-4705B
CS41025	HalDEX	E-4706B
41025	HalDEX	E-4706B
CS41023	HalDEX	E-4707B
CS41024	HalDEX	E-4707B
41024	HalDEX	E-4707B
CS41045	HalDEX	E-4708B
41045	HalDEX	E-4708B
CS41044	HalDEX	E-4709B
41044	HalDEX	E-4709B
CQ65477	HalDEX	E-4709ES2-N
65477	HalDEX	E-4709ES2-N
CS41261	HalDEX	E-4710B

PART NO.	COMPETITOR	EUCLID NO.
41261	HalDEX	E-4710B
CS41260	HalDEX	E-4711B
41260	HalDEX	E-4711B
CS41269	HalDEX	E-4712
41269	HalDEX	E-4712
CS41268	HalDEX	E-4713
41268	HalDEX	E-4713
CS41279	HalDEX	E-4714A
CS41278	HalDEX	E-4715A
CS41525	HalDEX	E-4716
CS41547	HalDEX	E-4716
41525	HalDEX	E-4716
41547	HalDEX	E-4716
CS41524	HalDEX	E-4717
CS41546	HalDEX	E-4717
41002	HalDEX	E-4717
41524	HalDEX	E-4717
41546	HalDEX	E-4717
CS41757	HalDEX	E-4718
41757	HalDEX	E-4718
CS41756	HalDEX	E-4719
41756	HalDEX	E-4719
CS41545	HalDEX	E-4720
41545	HalDEX	E-4720
CS41544	HalDEX	E-4721
41544	HalDEX	E-4721
CS41549	HalDEX	E-4722
41549	HalDEX	E-4722
CS41548	HalDEX	E-4723
41548	HalDEX	E-4723
C65700	HalDEX	E-4736
CS41048	HalDEX	E-4740
CS41049	HalDEX	E-4741
CS41542	HalDEX	E-4884
41543	HalDEX	E-4884
CS41543	HalDEX	E-4885
41542	HalDEX	E-4885
CS41032	HalDEX	E-4886
CS41033	HalDEX	E-4887
CS41046	HalDEX	E-4888
CS41047	HalDEX	E-4889
CS41104	HalDEX	E-4900
CS41105	HalDEX	E-4901
67242	HalDEX	E-4965-L
67241	HalDEX	E-4965-R
67246	HalDEX	E-4967-L
67245	HalDEX	E-4967-R
67248	HalDEX	E-4968-L

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
67247	Haldex	E-4968-R
67249	Haldex	E-4969-L
67250	Haldex	E-4969-R
C65301	Haldex	E-501
65301	Haldex	E-501
65307	Haldex	E-502
65308	Haldex	E-502
CS40139	Haldex	E-5056
CS40138	Haldex	E-5057
C63067	Haldex	E-5087
C63058	Haldex	E-5088
C66698	Haldex	E-5093
65423	Haldex	E-5093
C65381	Haldex	E-5095
65328	Haldex	E-512
65439	Haldex	E-512
66836	Haldex	E-5123
CS41768	Haldex	E-5131
CS41769	Haldex	E-5132
CS41570	Haldex	E-5133
CS41571	Haldex	E-5134
CS41572	Haldex	E-5135
CS41772	Haldex	E-5135
41772	Haldex	E-5135
CS41573	Haldex	E-5136
CS41773	Haldex	E-5136
41773	Haldex	E-5136
CQ66917	Haldex	E-5139
CQ66918	Haldex	E-5140
65326	Haldex	E-523
C65318	Haldex	E-526
65318	Haldex	E-526
65311	Haldex	E-527
C67488	Haldex	E-5305
67488	Haldex	E-5305
CQ67396	Haldex	E-5306
CQ67383	Haldex	E-5307
65330	Haldex	E-535
65329	Haldex	E-536
C63101	Haldex	E-537
65303	Haldex	E-537
65424	Haldex	E-537
65305	Haldex	E-538
65327	Haldex	E-539
66117	Haldex	E-540
C66614	Haldex	E-543
65309	Haldex	E-543
65310	Haldex	E-544

PART NO.	COMPETITOR	EUCLID NO.
65310	Haldex	E-545A
65337	Haldex	E-545A
C63015	Haldex	E-5477
CQ65481	Haldex	E-5481A
CQ65521	Haldex	E-5499
CS41110	Haldex	E-5506
CS41111	Haldex	E-5507
CS41112	Haldex	E-5508
CS41113	Haldex	E-5509
CS41114	Haldex	E-5510
CS41115	Haldex	E-5511
C63107	Haldex	E-5512
65329	Haldex	E-5512
CS413941	Haldex	E-5521
CS41404	Haldex	E-5526
CS41405	Haldex	E-5527
65387	Haldex	E-5531
65387	Haldex	E-5541
67234	Haldex	E-5551-L
67233	Haldex	E-5551-R
67233/67234	Haldex	E-5551-R
67238	Haldex	E-5553-L
67237	Haldex	E-5553-R
67227	Haldex	E-5556-L
67226	Haldex	E-5556-R
67225	Haldex	E-5558-L
67224	Haldex	E-5558-R
67228	Haldex	E-5559-L
67310	Haldex	E-5559-R
65332	Haldex	E-556
67232	Haldex	E-5560-L
67231	Haldex	E-5560-R
67230	Haldex	E-5561-L
67229	Haldex	E-5561-R
65333	Haldex	E-557
67202	Haldex	E-5571A
67236	Haldex	E-5585-L
67235	Haldex	E-5585-R
67297	Haldex	E-5589-L
67298	Haldex	E-5589-R
C63102	Haldex	E-563
65304	Haldex	E-563
C65313	Haldex	E-564
65313	Haldex	E-564
67214	Haldex	E-5652-L
67213	Haldex	E-5652-R
67296	Haldex	E-5714-L
67295	Haldex	E-5714-R

PART NO.	COMPETITOR	EUCLID NO.
67292	Haldex	E-5718-L
67291	Haldex	E-5718-R
66114	Haldex	E-572
67290	Haldex	E-5720-L
67289	Haldex	E-5720-R
67544	Haldex	E-5737
67546	Haldex	E-5743
67305	Haldex	E-5749-L
67306	Haldex	E-5749-R
67308	Haldex	E-5750-L
67307	Haldex	E-5750-R
67303/67304	Haldex	E-5765-R
65331	Haldex	E-579A
65339	Haldex	E-580
C65339	Haldex	E-581
65338	Haldex	E-581
65470	Haldex	E-586
65430	Haldex	E-595
65431	Haldex	E-595
67545	Haldex	E-5957
65431	Haldex	E-596A
67211	Haldex	E-5977-L
67212	Haldex	E-5977-R
66552	Haldex	E-603
C63140	Haldex	E-6076
C63164	Haldex	E-6077
CQ66941	Haldex	E-6078
65421	Haldex	E-608
C63112	Haldex	E-6080
65344	Haldex	E-609
65440	Haldex	E-609
KN53010	Haldex	E-6109
KN53000	Haldex	E-6110
KN47001	Haldex	E-612HD
1850	Haldex	E-612HD
18500	Haldex	E-612HD
1855-000	Haldex	E-612HD
2100	Haldex	E-612HD
6500	Haldex	E-612HD
KN47001	Haldex	E-612S-BK
C65352	Haldex	E-654
65352	Haldex	E-654
66563	Haldex	E-654
65340	Haldex	E-656
65434	Haldex	E-661
65441	Haldex	E-667
CS41515	Haldex	E-684
CS41514	Haldex	E-685

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
CS41265	Haldex	E-686
CS41264	Haldex	E-687
CS41285	Haldex	E-688A
66829	Haldex	E-688A
CS41284	Haldex	E-689A
66830	Haldex	E-689A
CS41519	Haldex	E-690
CS41518	Haldex	E-691
EM50420	Haldex	E-6918A
C65437	Haldex	E-712
65437	Haldex	E-712
65374	Haldex	E-719
C65351	Haldex	E-747
65351	Haldex	E-747
65428	Haldex	E-752
C66849	Haldex	E-757
65444	Haldex	E-757
66635	Haldex	E-757
66849	Haldex	E-757
65384	Haldex	E-759
C66755	Haldex	E-773
65325	Haldex	E-773
67210	Haldex	E-7895-L
67209	Haldex	E-7895-R
67267	Haldex	E-7898-L
67266	Haldex	E-7898-R
C65358	Haldex	E-801
65358	Haldex	E-801
65359	Haldex	E-807
DP09	Haldex	E-8888
18090	Haldex	E-8888
DP12	Haldex	E-8889
18120	Haldex	E-8889
DP16	Haldex	E-8890
18160	Haldex	E-8890
DP20	Haldex	E-8891
18200	Haldex	E-8891
18240	Haldex	E-8892
DP24L	Haldex	E-8893
DP30	Haldex	E-8894
18300	Haldex	E-8894
DP36	Haldex	E-8895
18360	Haldex	E-8895
CF8	Haldex	E-8896
KN36490	Haldex	E-8896
CF7	Haldex	E-8897
KN36470	Haldex	E-8897
CF3	Haldex	E-8898

PART NO.	COMPETITOR	EUCLID NO.
KN36460	Haldex	E-8898
KN36480	Haldex	E-8898
CF4	Haldex	E-8899
C63054	Haldex	E-9037
C63043	Haldex	E-9063
C63045	Haldex	E-9069
C63158	Haldex	E-9072
C63166	Haldex	E-9073
C63157	Haldex	E-9074
C63153	Haldex	E-9075
C63146	Haldex	E-9076
C63148	Haldex	E-9077
CQ67416	Haldex	E-9079
CQ67416	Haldex	E-9079HD
CS41108	Haldex	E-9087
CS41109	Haldex	E-9088
65452	Haldex	E-910
KN55001	Haldex	E-9102
KN52060	Haldex	E-9105
CB30	Haldex	E-9118
CB20	Haldex	E-9121
RS6	Haldex	E-9130
RS7	Haldex	E-9131
CQ36551	Haldex	E-9132
CQ36552	Haldex	E-9132
CQ36543	Haldex	E-9133
CQ36562	Haldex	E-9135
CQ36572	Haldex	E-9135
C65448	Haldex	E-919
65448	Haldex	E-919
65366	Haldex	E-920
6300	Haldex	E-940HD
C66876	Haldex	E-9643
C67320	Haldex	E-9643
CS40172	Haldex	E-9645
CS40173	Haldex	E-9646
CS41172	Haldex	E-9647
CS41173	Haldex	E-9648
CS40174	Haldex	E-9649
41550	Haldex	E-9649
CS40175	Haldex	E-9650
41551	Haldex	E-9650
CS41158	Haldex	E-9651
41552	Haldex	E-9651
CS41159	Haldex	E-9652
41553	Haldex	E-9652
CS41150	Haldex	E-9653
41554	Haldex	E-9653

PART NO.	COMPETITOR	EUCLID NO.
CS41151	Haldex	E-9654
41555	Haldex	E-9654
CS40178	Haldex	E-9655
41556	Haldex	E-9655
CS40179	Haldex	E-9656
41557	Haldex	E-9656
CS41160	Haldex	E-9657
41558	Haldex	E-9657
CS41161	Haldex	E-9658
41559	Haldex	E-9658
CS40182	Haldex	E-9659
41560	Haldex	E-9659
CS40183	Haldex	E-9660
41561	Haldex	E-9660
41662	Haldex	E-9661
41663	Haldex	E-9662
CS40152	Haldex	E-9663
CS41153	Haldex	E-9664
CS41154	Haldex	E-9667
41564	Haldex	E-9667
CS41155	Haldex	E-9668
41565	Haldex	E-9668
CS41156	Haldex	E-9669
41566	Haldex	E-9669
CS41157	Haldex	E-9670
41567	Haldex	E-9670
CS40186	Haldex	E-9671
41568	Haldex	E-9671
41569	Haldex	E-9672
CS40188	Haldex	E-9673A
CS40189	Haldex	E-9674A
CS40192	Haldex	E-9675
41772	Haldex	E-9675
CS40193	Haldex	E-9676
41773	Haldex	E-9676
CS40196	Haldex	E-9677
CS40197	Haldex	E-9678
CS40194	Haldex	E-9679
CS40195	Haldex	E-9680
CS40198	Haldex	E-9681
CS40199	Haldex	E-9682
CS40108	Haldex	E-9697
CS40109	Haldex	E-9698
41782	Haldex	E-9699
CS40110	Haldex	E-9701
CS40111	Haldex	E-9702
CS41907	Haldex	E-9704
CS40116	Haldex	E-9707

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PART NO.	COMPETITOR	EUCLID NO.
CS40117	Haldex	E-9708
CS40112	Haldex	E-9713
CS40113	Haldex	E-9714
CS41692	Haldex	E-9727
CS41416	Haldex	E-9733
CS41417	Haldex	E-9734
CS41420	Haldex	E-9735
CS41421	Haldex	E-9736
C63113	Haldex	E-9789
C66886	Haldex	E-979
66886	Haldex	E-979
CQ67111	Haldex	E-9790A
C63115	Haldex	E-9792A
SC36	Haldex	E-BC36S
165642	Haldex	E-GC2024
GC2024	Haldex	E-GC2024
2024003	Haldex	E-GC2024
GC2424	Haldex	E-GC2424
GC2424L	Haldex	E-GC2424L
2424008	Haldex	E-GC2424L
GC2430	Haldex	E-GC2430
2430019	Haldex	E-GC2430
52430019	Haldex	E-GC2430
GC2430L	Haldex	E-GC2430L
MA15425	Haldex	E-GC2430L
2430021	Haldex	E-GC2430L
CC3030	Haldex	E-GC3030
GC3030	Haldex	E-GC3030
MA15431	Haldex	E-GC3030
MA15445	Haldex	E-GC3030
MA15449	Haldex	E-GC3030
3030017	Haldex	E-GC3030
GC3030CF	Haldex	E-GC3030CF
MA15439	Haldex	E-GC3030CF
MA15443	Haldex	E-GC3030CF
GC3030CFP40	Haldex	E-GC-3030CFP40
GC3030CF	Haldex	E-GC-3030CFP40
MA15439	Haldex	E-GC-3030CFP40
MA15443	Haldex	E-GC-3030CFP40
GC3030L	Haldex	E-GC3030L
3030054	Haldex	E-GC3030L
MA15473	Haldex	E-GC3030L
GC3030P40	Haldex	E-GC3030P40
3030017	Haldex	E-GC3030P40
GC3030	Haldex	E-GC3030P40

PART NO.	COMPETITOR	EUCLID NO.
MA15431	Haldex	E-GC3030P40
MA15445	Haldex	E-GC3030P40
MA15449	Haldex	E-GC3030P40
GC3030R	Haldex	E-GC3030R
GC3036	Haldex	E-GC3036
3036001	Haldex	E-GC3036
53036001	Haldex	E-GC3036
GC3036L	Haldex	E-GC3036L
MA15477	Haldex	E-GC3036L
GC3636	Haldex	E-GC3636
MA15479	Haldex	E-GC3636
3636001	Haldex	E-GC3636
53636001	Haldex	E-GC3636
GP1624	Haldex	E-GP1624
1624001	Haldex	E-GP1624
GP2024	Haldex	E-GP2024
2024005	Haldex	E-GP2024
GP2424	Haldex	E-GP2424
52424008	Haldex	E-GP2424
M15440	Haldex	E-GP2424
2424011	Haldex	E-GP2424
GP2424L	Haldex	E-GP2424L
2424012	Haldex	E-GP2424L
52424011	Haldex	E-GP2424L
GP2430	Haldex	E-GP2430
2430026	Haldex	E-GP2430
52430026	Haldex	E-GP2430
GP2430L	Haldex	E-GP2430L
MA15427	Haldex	E-GP2430L
2430027	Haldex	E-GP2430L
GP2430XL	Haldex	E-GP2430XL
2430057	Haldex	E-GP2430XL
MA15472	Haldex	E-GP2430XL
GC2430XL	Haldex	E-GP2430XL
GP3030	Haldex	E-GP3030
MA15435	Haldex	E-GP3030
MA15444	Haldex	E-GP3030
3030021	Haldex	E-GP3030
GP3030K	Haldex	E-GP3030K
3030069	Haldex	E-GP3030K
MQ48300	Haldex	E-GP3030K
GP3030LK	Haldex	E-GP3030LK
GC3030LK	Haldex	E-GP3030LK
GP3036	Haldex	E-GP3036
MA15455	Haldex	E-GP3036
3036004	Haldex	E-GP3036
GP3636	Haldex	E-GP3636
MA15480	Haldex	E-GP3636

PART NO.	COMPETITOR	EUCLID NO.
3636007	Haldex	E-GP3636
0912001	Haldex	E-PB0912
0916024	Haldex	E-PB0916
1212015	Haldex	E-PB1212
1216007	Haldex	E-PB1216
SC12	Haldex	E-BC12S
SC16	Haldex	E-BC16S
SC20	Haldex	E-BC20S
SC24XL	Haldex	E-BC24S-EL
SC30	Haldex	E-BC30S
40910129	Haldex	M807000
40010402	Haldex	M807001
40910584	Haldex	M807001
40010155	Haldex	M807002
40910635	Haldex	M807002
40010156	Haldex	M807003
40910648	Haldex	M807003
40010154	Haldex	M807004
40910650	Haldex	M807004
40010304	Haldex	M807005
40910654	Haldex	M807005
40010305	Haldex	M807006
40910655	Haldex	M807006
40010306	Haldex	M807007
40910656	Haldex	M807007
40010307	Haldex	M807008
40910657	Haldex	M807008
40010001	Haldex	M807009
40910658	Haldex	M807009
40010004	Haldex	M807010
40910659	Haldex	M807010
40010005	Haldex	M807011
40910662	Haldex	M807011
40010008	Haldex	M807012
40910663	Haldex	M807012
40010212	Haldex	M807013
40910673	Haldex	M807013
40010214	Haldex	M807014
40910674	Haldex	M807014
40010216	Haldex	M807015
40910675	Haldex	M807015
40010144	Haldex	M807016
40910678	Haldex	M807016
40010146	Haldex	M807017
40910679	Haldex	M807017
40010145	Haldex	M807018
40910680	Haldex	M807018
40010211	Haldex	M807019

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
40910683	Haldex	M807019
40010213	Haldex	M807020
40910684	Haldex	M807020
40010215	Haldex	M807021
40910685	Haldex	M807021
40010143	Haldex	M807022
40910733	Haldex	M807022
40010142	Haldex	M807023
40910741	Haldex	M807023
40010140	Haldex	M807024
40910742	Haldex	M807024
40010081	Haldex	M807025
40910228	Haldex	M807025
40010141	Haldex	M807026
40910653	Haldex	M807026
40010009	Haldex	M807500
40010058	Haldex	M807500
40910599	Haldex	M807500
40010010	Haldex	M807501
40010059	Haldex	M807501
40910600	Haldex	M807501
40010003	Haldex	M807502
40910660	Haldex	M807502
40010002	Haldex	M807503
40910661	Haldex	M807503
40010041	Haldex	M807504
40910664	Haldex	M807504
40010040	Haldex	M807505
40910665	Haldex	M807505
40010068	Haldex	M807507
40910638	Haldex	M807507
40010069	Haldex	M807508
40910639	Haldex	M807508
400-20240	Haldex	M808005
40920019	Haldex	M808005
40020231	Haldex	M808005
400-20243	Haldex	M808006
409-20006A	Haldex	M808006
40920014	Haldex	M808006
40020305	Haldex	M808006
400-20217	Haldex	M808007
409-20020	Haldex	M808007
400-20229	Haldex	M808012
409-20018	Haldex	M808012
40920006	Haldex	M808016
40020243	Haldex	M808016
400-20215	Haldex	M808021
409-20000	Haldex	M808021

PART NO.	COMPETITOR	EUCLID NO.
40920046	Haldex	M808026
40020240	Haldex	M808026
400-20228	Haldex	M808028
409-20017	Haldex	M808028
400-20234	Haldex	M808029
409-20023	Haldex	M808029
65306	Haldex	E-541
65335	Haldex	E-573
65466	Haldex	E-618
65467	Haldex	E-617
65468	Haldex	E-619
66115	Haldex	E-573
67369	Haldex	E-2726
67379	Haldex	E-2778
401576	Haldex	E-2341
401578	Haldex	E-2432
40010001	Haldex	R806009A
40010002	Haldex	R806503A
40010003	Haldex	R806502A
40010004	Haldex	R806010A
40010005	Haldex	R806011A
40010008	Haldex	R806012A
40010009	Haldex	R806500A
40010010	Haldex	R806501A
40010040	Haldex	R806505A
40010041	Haldex	R806504A
40010058	Haldex	R806500A
40010059	Haldex	R806501A
40010068	Haldex	R806507A
40010069	Haldex	R806508A
40010081	Haldex	R806025A
40010140	Haldex	R806024A
40010141	Haldex	R806026A
40010142	Haldex	R806023A
40010143	Haldex	R806022A
40010144	Haldex	R806016A
40010145	Haldex	R806018A
40010146	Haldex	R806017A
40010154	Haldex	R806004A
40010155	Haldex	R806002A
40010156	Haldex	R806003A
40010211	Haldex	R806019A
40010212	Haldex	R806013A
40010213	Haldex	R806020A
40010214	Haldex	R806014A
40010215	Haldex	R806021A
40010216	Haldex	R806015A
40010304	Haldex	R806005A

PART NO.	COMPETITOR	EUCLID NO.
40010305	Haldex	R806006A
40010306	Haldex	R806007A
40010307	Haldex	R806008A
40010402	Haldex	R806001A
40910129	Haldex	R806000A
40910228	Haldex	R806025A
40910532	Haldex	R806004A
40910584	Haldex	R806001A
40910599	Haldex	R806500A
40910600	Haldex	R806501A
40910615	Haldex	R806024A
40910628	Haldex	R806004A
40910635	Haldex	R806002A
40910638	Haldex	R806507A
40910639	Haldex	R806508A
40910648	Haldex	R806003A
40910650	Haldex	R806004A
40910653	Haldex	R806026A
40910654	Haldex	R806005A
40910655	Haldex	R806006A
40910656	Haldex	R806007A
40910657	Haldex	R806008A
40910658	Haldex	R806009A
40910659	Haldex	R806010A
40910660	Haldex	R806502A
40910661	Haldex	R806503A
40910662	Haldex	R806011A
40910663	Haldex	R806012A
40910664	Haldex	R806504A
40910665	Haldex	R806505A
40910673	Haldex	R806013A
40910674	Haldex	R806014A
40910675	Haldex	R806015A
40910678	Haldex	R806016A
40910679	Haldex	R806017A
40910680	Haldex	R806018A
40910683	Haldex	R806019A
40910684	Haldex	R806020A
40910685	Haldex	R806021A
40910733	Haldex	R806022A
40910741	Haldex	R806023A
40910742	Haldex	R806024A
42710566	Haldex	R810302
42710576	Haldex	R810337
42710585	Haldex	R810338
400-10141	Haldex	R806026A
401576P	Haldex	E-2341
401578P	Haldex	E-2432

CROSS REFERENCE

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**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
409-10101	Haldex	R806002A
409-10599	Haldex	R806500A
409-10600	Haldex	R806501A
409-10635	Haldex	R806002A
409-10638	Haldex	R806507A
409-10648	Haldex	R806003A
409-10650	Haldex	R806004A
409-10653	Haldex	R806026A
409-10654	Haldex	R806005A
409-10656	Haldex	R806007A
409-10658	Haldex	R806009A
409-10660	Haldex	R806502A
409-10661	Haldex	R806503A
409-10662	Haldex	R806011A
409-10663	Haldex	R806012A
409-10665	Haldex	R806505A
409-10674	Haldex	R806014A
409-10678	Haldex	R806016A
409-10679	Haldex	R806017A
409-10680	Haldex	R806018A
409-10685	Haldex	R806021A
409-10741	Haldex	R806023A
409-10742	Haldex	R806024A
409-10861	Haldex	R806026A
427-10420	Haldex	R810314
427-10421	Haldex	R810311
427-10517	Haldex	R810312
427-10553K	Haldex	R810300
427-10558	Haldex	R810317
427-10566K	Haldex	R810302
427-10567K	Haldex	R810303
427-10582	Haldex	R810313
42710585K	Haldex	R810339
443-10096	Haldex	R810317
443-10096	Haldex	R810321
443-10101	Haldex	R810324
443-10204	Haldex	R810320
443-10290	Haldex	R810325
443-10299	Haldex	R810326
443-10318	Haldex	R810325
452-10058	Haldex	R810322
452-10128	Haldex	R810323
C66654	Haldex	E-3975
EM50420	Haldex	R806016A
A5P	HDA	KIT-5
B1116RB	HDA	E-1094
B1116LB	HDA	E-1095
A613B	HDA	E-1113

PART NO.	COMPETITOR	EUCLID NO.
4602SB	HDA	E-1139
B1058RB	HDA	E-1147C
B1058LB	HDA	E-1148C
1610BP	HDA	E-1307
21P	HDA	E-1314
43P	HDA	E-1357A
16P	HDA	E-1385
B1152RB	HDA	E-1393
B1152LB	HDA	E-1394
B1154RB	HDA	E-1410
B1154LB	HDA	E-1411
12P	HDA	E-1416
B1160RB	HDA	E-1420
B1160LB	HDA	E-1421
B1158RB	HDA	E-1422
B1158LB	HDA	E-1423
B1108LB	HDA	E-1424A
B1108RB	HDA	E-1425A
A635B	HDA	E-1559
B2050LB	HDA	E-1563
B2050RB	HDA	E-1564
19P	HDA	E-1565
20P	HDA	E-1567
22P	HDA	E-1569
24P	HDA	E-1577A
B1056R	HDA	E-1773C
B1056LB	HDA	E-1774C
B1006RB	HDA	E-1775
B1006LB	HDA	E-1776
30P	HDA	E-1781
29P	HDA	E-1782
B1052RB	HDA	E-1788
B1052LB	HDA	E-1789
46P	HDA	E-2086B
56P	HDA	E-2087
49P	HDA	E-2090
B2052LB	HDA	E-2099
B2052RB	HDA	E-2100
A15P	HDA	E-2121
A15P	HDA	E-2121HD
50P	HDA	E-2122
47P	HDA	E-2123
48P	HDA	E-2125
53P	HDA	E-2287
61P	HDA	E-2291
36P	HDA	E-2361
44P	HDA	E-2363
45P	HDA	E-2382

PART NO.	COMPETITOR	EUCLID NO.
28P	HDA	E-2407
33P	HDA	E-2411A
B1106RB	HDA	E-2412A
B1106LB	HDA	E-2413A
B2000LB	HDA	E-2441B
B2000RB	HDA	E-2442B
B2002LB	HDA	E-2443B
B2002RB	HDA	E-2444B
B2004LB	HDA	E-2445B
B2004RB	HDA	E-2446B
B1182LB	HDA	E-2449A
B1182RB	HDA	E-2450A
55P	HDA	E-2469
B1050RB	HDA	E-2478B
B1050LB	HDA	E-2479B
B1156RB	HDA	E-2492
B1156LB	HDA	E-2493
60P	HDA	E-2670
B1181LB	HDA	E-2693
B1181RB	HDA	E-2694
B1100RB	HDA	E-2794
B1100LB	HDA	E-2795
B1120RB	HDA	E-2796
B1120LB	HDA	E-2797
B1000RB	HDA	E-2799
B1000LB	HDA	E-2800
HDA6999SHD	HDA	E-4515QMBHD-N
993B	HDA	E-5040A
04P	HDA	E-526
03P	HDA	E-535
00P	HDA	E-536
123B	HDA	E-5571A
235B	HDA	E-5572A
889LB/888RB	HDA	E-5652-R
411B	HDA	E-5706
07P	HDA	E-580
05P	HDA	E-581
956LB/956RB	HDA	E-5978-R
988LB/988RB	HDA	E-5988-R
09P	HDA	E-654
08P	HDA	E-656
01P	HDA	E-661
B1110RB	HDA	E-684
B1110LB	HDA	E-685
B1066RB	HDA	E-686
B1066LB	HDA	E-687
B1104RB	HDA	E-688A

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
B1104LB	HDA	E-689A
B1112RB	HDA	E-690
B1112LB	HDA	E-691
11P	HDA	E-719
02P	HDA	E-759
34P	HDA	E-910
35P	HDA	E-943
C-20806-1L	Hendrickson	E-10899
S208061L	Hendrickson	E-10899
C-20806-1R	Hendrickson	E-10900
S208061R	Hendrickson	E-10900
S-23974	Hendrickson	E-11450HD
S-23857-1L	Hendrickson	E-11864
S-23857-1R	Hendrickson	E-11865
C23347-1L	Hendrickson	E-11866
C24636-1L	Hendrickson	E-11866
S-24636-1L	Hendrickson	E-11866
C23347-1R	Hendrickson	E-11867
C24636-1R	Hendrickson	E-11867
S-24636-1R	Hendrickson	E-11867
S-26348	Hendrickson	E-11897
AE-33117	Hendrickson	E-1307
33117	Hendrickson	E-1307
28500-1657	Hendrickson	E-14924
S23752	Hendrickson	E-2769HD
S21183	Hendrickson	E-2769SHD
S21183	Hendrickson	E-4515QHD-N
S23752	Hendrickson	E-4515QHD-N
A20823	Hendrickson	E-807
S-21307	Hendrickson	E-9575
S-21181	Hendrickson	E-9791HD
H2001	Hercules	E-6991B
H2002	Hercules	E-6992B
H2003	Hercules	E-6993B
H2004	Hercules	E-6994B
HQ10330L	Hercules	E-10306A
H10414L	Hercules	E-10306A
HQ10331R	Hercules	E-10307A
H10415R	Hercules	E-10307A
H11003R	Hercules	E-10860
H11009R	Hercules	E-10861
H11008L	Hercules	E-10862
H10148L	Hercules	E-10863
H11000L	Hercules	E-10863
H11001R	Hercules	E-10864
H11029R	Hercules	E-10896
H8746Z	Hercules	E-10897
H10936L	Hercules	E-10899

PART NO.	COMPETITOR	EUCLID NO.
H10937R	Hercules	E-10900
H10878L	Hercules	E-10901
H10879R	Hercules	E-10902
H10882L	Hercules	E-10903
H10883R	Hercules	E-10904
H10886L	Hercules	E-10905
H10887R	Hercules	E-10906
H10890L	Hercules	E-10907
H10891R	Hercules	E-10908
H10176L	Hercules	E-10909
H10177R	Hercules	E-10910
H10430L	Hercules	E-10911
H10431R	Hercules	E-10912
H10498L	Hercules	E-10913
H10499R	Hercules	E-10914
H10500L	Hercules	E-10915
H10501R	Hercules	E-10916
H10986L	Hercules	E-10917
H10987R	Hercules	E-10918
H10990L	Hercules	E-10919
H10991R	Hercules	E-10920
H10992L	Hercules	E-10921
H10993R	Hercules	E-10922
H10994L	Hercules	E-10923
H10995R	Hercules	E-10924
H10996L	Hercules	E-10925
H10997R	Hercules	E-10926
H10998L	Hercules	E-10927
H10999R	Hercules	E-10928
H12000L	Hercules	E-10929
H12001R	Hercules	E-10930
H3045	Hercules	E-10931
H3040	Hercules	E-10932
H3053	Hercules	E-10933
H3054	Hercules	E-10934
H3030	Hercules	E-10936
H3041	Hercules	E-10937
H3068	Hercules	E-10939
H10522	Hercules	E-1094
H10523R	Hercules	E-1094
H10547R	Hercules	E-1094
H3072	Hercules	E-10940
H3073	Hercules	E-10942
H3067	Hercules	E-10943
H3065	Hercules	E-10944
H3074	Hercules	E-10945
H3031	Hercules	E-10946
H3103	Hercules	E-10947

PART NO.	COMPETITOR	EUCLID NO.
H10522L	Hercules	E-1095
H10523	Hercules	E-1095
H10546L	Hercules	E-1095
HQ10017R	Hercules	E-1147C
H10016	Hercules	E-1147C
H10017R	Hercules	E-1147C
HQ10016L	Hercules	E-1148C
H10016L	Hercules	E-1148C
H10017	Hercules	E-1148C
H3075	Hercules	E-11497
HQ10375R	Hercules	E-11512
HQ10374L	Hercules	E-11513
HQ10377R	Hercules	E-11514
HQ10376L	Hercules	E-11515
HQ10339R	Hercules	E-11516
HQ10338L	Hercules	E-11517
HQ10379R	Hercules	E-11518
HQ10378L	Hercules	E-11519
H10841R	Hercules	E-11520
H10840L	Hercules	E-11521
H10843R	Hercules	E-11522
H10842L	Hercules	E-11523
HQ10383R	Hercules	E-11524
HQ10382L	Hercules	E-11525
HQ10387R	Hercules	E-11528
HQ10386L	Hercules	E-11529
HQ10389R	Hercules	E-11530
HQ10388L	Hercules	E-11531
HQ10391R	Hercules	E-11532
HQ10390L	Hercules	E-11533
HQ10393R	Hercules	E-11534
HQ10392L	Hercules	E-11535
H10849R	Hercules	E-11538
H10848L	Hercules	E-11539
HQ10309R	Hercules	E-11542
HQ10308L	Hercules	E-11543
HQ10397R	Hercules	E-11544
HQ10396L	Hercules	E-11545
HQ10399R	Hercules	E-11546
HQ10398L	Hercules	E-11547
H10851R	Hercules	E-11548
H10850L	Hercules	E-11549
H10865R	Hercules	E-11550
H10864L	Hercules	E-11551
H10869R	Hercules	E-11566
H10868L	Hercules	E-11567
HQ10677R	Hercules	E-11576
HQ10676L	Hercules	E-11577

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
HQ10327R	Hercules	E-11580
HQ10326L	Hercules	E-11581
HQ10333R	Hercules	E-11584
HQ10332L	Hercules	E-11585
HQ10335R	Hercules	E-11602
HQ10334L	Hercules	E-11603
H12034L	Hercules	E-11864
H12035R	Hercules	E-11865
H10232L	Hercules	E-11866
H12032L	Hercules	E-11866
H10233R	Hercules	E-11867
H12033R	Hercules	E-11867
HQ10699R	Hercules	E-11958
HQ10698L	Hercules	E-11959
HQ10385R	Hercules	E-11960
H11025R	Hercules	E-11960
HQ10384L	Hercules	E-11961
H11024L	Hercules	E-11961
H12028L	Hercules	E-11969
H8696	Hercules	E-1318A
H8643	Hercules	E-1357A
H10710	Hercules	E-1393
H10711	Hercules	E-1394
H10101R	Hercules	E-1410
H10100L	Hercules	E-1411
H10524	Hercules	E-1420
H10525	Hercules	E-1421
HQ10507R	Hercules	E-1424A
H10506	Hercules	E-1424A
H10507R	Hercules	E-1424A
HQ10506L	Hercules	E-1425A
H10506L	Hercules	E-1425A
H10507	Hercules	E-1425A
H10528	Hercules	E-1563
H10528L	Hercules	E-1563
H10529	Hercules	E-1564
H10529R	Hercules	E-1564
HQ10015R	Hercules	E-1773C
H10014	Hercules	E-1773C
H10015R	Hercules	E-1773C
HQ10014L	Hercules	E-1774C
H10014L	Hercules	E-1774C
H10015	Hercules	E-1774C
H10760	Hercules	E-1775
H10761R	Hercules	E-1775
H10760L	Hercules	E-1776
H10761	Hercules	E-1776
H10010	Hercules	E-1788

PART NO.	COMPETITOR	EUCLID NO.
H10011R	Hercules	E-1788
H10010L	Hercules	E-1789
H10011	Hercules	E-1789
KIT#2	Hercules	E-1887AHD
KIT#2	Hercules	E-1887ASHD
H8646	Hercules	E-2086B
H8656	Hercules	E-2087
H8681	Hercules	E-2088A
H8657	Hercules	E-2089
HCK1407	Hercules	E-2090
H8649	Hercules	E-2090
H10512	Hercules	E-2099
H10512L	Hercules	E-2099
H10513R	Hercules	E-2099
H10512L	Hercules	E-2100
H10513	Hercules	E-2100
H10513R	Hercules	E-2100
H8714	Hercules	E-2104
H10508	Hercules	E-2107
H10509	Hercules	E-2108
H8650	Hercules	E-2122
H8648	Hercules	E-2125
HCK1410	Hercules	E-2287
H8652	Hercules	E-2287
H8660	Hercules	E-2291
H8644	Hercules	E-2363
H8645	Hercules	E-2382
HQ10765R	Hercules	E-2412A
H10764	Hercules	E-2412A
H10765R	Hercules	E-2412A
HQ10764L	Hercules	E-2413A
H10764L	Hercules	E-2413A
H10765	Hercules	E-2413A
HQ10364L	Hercules	E-2441B
H10504	Hercules	E-2441B
H10504L	Hercules	E-2441B
HQ10365R	Hercules	E-2442B
H10505	Hercules	E-2442B
H10505R	Hercules	E-2442B
HQ10366L	Hercules	E-2443B
H10526	Hercules	E-2443B
H10526L	Hercules	E-2443B
HQ10367R	Hercules	E-2444B
H10527	Hercules	E-2444B
H10527R	Hercules	E-2444B
HQ10368L	Hercules	E-2445B
H10758	Hercules	E-2445B
H10758L	Hercules	E-2445B

PART NO.	COMPETITOR	EUCLID NO.
HQ10369R	Hercules	E-2446B
H10759	Hercules	E-2446B
H10759R	Hercules	E-2446B
HQ10276L	Hercules	E-2447A
H10276	Hercules	E-2447A
H10276L	Hercules	E-2447A
HQ10277R	Hercules	E-2448A
H10277	Hercules	E-2448A
H10277R	Hercules	E-2448A
HQ10532L	Hercules	E-2449A
H10532	Hercules	E-2449A
H10532L	Hercules	E-2449A
HQ10533R	Hercules	E-2450A
H10533	Hercules	E-2450A
H10533R	Hercules	E-2450A
HQ10752L	Hercules	E-2451A
H10752	Hercules	E-2451A
H10752L	Hercules	E-2451A
HQ10753R	Hercules	E-2452A
H10753	Hercules	E-2452A
H10753R	Hercules	E-2452A
H2022A	Hercules	E-2458S
H8655	Hercules	E-2469
H8682	Hercules	E-2469
HQ10003R	Hercules	E-2478B
H10002	Hercules	E-2478B
H10003R	Hercules	E-2478B
HQ10002L	Hercules	E-2479B
H10002L	Hercules	E-2479B
H10003	Hercules	E-2479B
H8712	Hercules	E-2494
HCK1416	Hercules	E-2670
H8661	Hercules	E-2670
H8686	Hercules	E-2679A
H8685Z	Hercules	E-2680
H10292	Hercules	E-2693
H10292L	Hercules	E-2693
H10293	Hercules	E-2694
H10293R	Hercules	E-2694
H8684	Hercules	E-2696A
HQ10005R	Hercules	E-2700B
H10005	Hercules	E-2700B
H10005R	Hercules	E-2700B
HQ10004L	Hercules	E-2701B
H10004	Hercules	E-2701B
H10004L	Hercules	E-2701B
H10250	Hercules	E-2714A
H10251R	Hercules	E-2714A

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
H10250L	Hercules	E-2715A
H10251	Hercules	E-2715A
KIT#1	Hercules	E-2769SHD-C
H10042	Hercules	E-2786
H10043R	Hercules	E-2786
H10042L	Hercules	E-2787
H10043	Hercules	E-2787
H10266	Hercules	E-2794
H10267R	Hercules	E-2794
H10266L	Hercules	E-2795
H10267	Hercules	E-2795
H10754	Hercules	E-2796
H10755R	Hercules	E-2796
H10754L	Hercules	E-2797
H10755	Hercules	E-2797
H10026	Hercules	E-2799
H10027R	Hercules	E-2799
H10026L	Hercules	E-2800
H10027	Hercules	E-2800
H8743	Hercules	E-3446
H8688	Hercules	E-3468A
H10370L	Hercules	E-3516
H10371R	Hercules	E-3517
HCK1419	Hercules	E-3520A
H8683	Hercules	E-3520A
H10052	Hercules	E-3523
H10052L	Hercules	E-3523
H10053	Hercules	E-3524
H10053R	Hercules	E-3524
KIT#3	Hercules	E-3710HD
KIT#3	Hercules	E-3710SHD-C
H10154L	Hercules	E-3854
H10418L	Hercules	E-3854
H10155R	Hercules	E-3855
H10419R	Hercules	E-3855
H10158L	Hercules	E-3856
H10422L	Hercules	E-3856
H10159R	Hercules	E-3857
H10423R	Hercules	E-3857
H10812	Hercules	E-3861
H10812L	Hercules	E-3861
H10813	Hercules	E-3862
H10813R	Hercules	E-3862
HCK1425	Hercules	E-3993B
H8707	Hercules	E-3993B
KIT#2	Hercules	E-4311EHD-N
KIT#1	Hercules	E-4515QHD-C
KIT#1	Hercules	E-4515QHD-N

PART NO.	COMPETITOR	EUCLID NO.
KIT#1A	Hercules	E-4515UHD-C
KIT#3	Hercules	E-4515XHD
KIT#3	Hercules	E-4515XHD-C
HQ10037R	Hercules	E-4702B
H10036	Hercules	E-4702B
H10036L	Hercules	E-4702B
H10037R	Hercules	E-4702B
HQ10036L	Hercules	E-4703B
H10036L	Hercules	E-4703B
H10037	Hercules	E-4703B
H10037R	Hercules	E-4703B
HQ10023R	Hercules	E-4704B
H10023R	Hercules	E-4704B
HQ10022L	Hercules	E-4705B
H10022	Hercules	E-4705B
H10022L	Hercules	E-4705B
HQ10025R	Hercules	E-4706B
H10024	Hercules	E-4706B
H10025R	Hercules	E-4706B
HQ10024L	Hercules	E-4707B
H10023	Hercules	E-4707B
H10023R	Hercules	E-4707B
H10024L	Hercules	E-4707B
H10025	Hercules	E-4707B
HQ10045R	Hercules	E-4708B
H10044	Hercules	E-4708B
H10045R	Hercules	E-4708B
HQ10044L	Hercules	E-4709B
H10044L	Hercules	E-4709B
H10045	Hercules	E-4709B
HQ10261R	Hercules	E-4710B
H10261	Hercules	E-4710B
H10261R	Hercules	E-4710B
HQ10260L	Hercules	E-4711B
H10260	Hercules	E-4711B
H10260L	Hercules	E-4711B
H10268	Hercules	E-4712
H10269R	Hercules	E-4712
H10268L	Hercules	E-4713
H10269	Hercules	E-4713
HQ10279R	Hercules	E-4714A
H10279	Hercules	E-4714A
H10279R	Hercules	E-4714A
HQ10278L	Hercules	E-4715A
H10278	Hercules	E-4715A
H10278L	Hercules	E-4715A
H10546	Hercules	E-4716
H10547R	Hercules	E-4716

PART NO.	COMPETITOR	EUCLID NO.
H10546L	Hercules	E-4717
H10547	Hercules	E-4717
H10756	Hercules	E-4718
H10757R	Hercules	E-4718
H10756L	Hercules	E-4719
H10757	Hercules	E-4719
H10544	Hercules	E-4720
H10545R	Hercules	E-4720
H10544L	Hercules	E-4721
H10545	Hercules	E-4721
H10548	Hercules	E-4722
H10549R	Hercules	E-4722
H10548L	Hercules	E-4723
H10549	Hercules	E-4723
H3033	Hercules	E-4738A
H3034	Hercules	E-4739
H10054	Hercules	E-4740
H10054L	Hercules	E-4740
H10055	Hercules	E-4741
H10055R	Hercules	E-4741
H10542	Hercules	E-4884
H10542L	Hercules	E-4884
H10570L	Hercules	E-4884
H10543	Hercules	E-4885
H10543R	Hercules	E-4885
H10571R	Hercules	E-4885
H10032	Hercules	E-4886
H10032L	Hercules	E-4886
H10033	Hercules	E-4887
H10033R	Hercules	E-4887
H10046	Hercules	E-4888
H10046L	Hercules	E-4888
H10047	Hercules	E-4889
H10047R	Hercules	E-4889
H10814L	Hercules	E-4890
H10815R	Hercules	E-4891
H10020	Hercules	E-4892
H10020L	Hercules	E-4892
H10021	Hercules	E-4893
H10021R	Hercules	E-4893
H10380L	Hercules	E-4900
H10381R	Hercules	E-4901
H3056	Hercules	E-4934A
H3901	Hercules	E-4935
H10924L	Hercules	E-4991
H10925R	Hercules	E-4992
H10926L	Hercules	E-4993
H10927R	Hercules	E-4994

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
H10928L	Hercules	E-4995
H10929R	Hercules	E-4996
H10007R	Hercules	E-5056
H10006L	Hercules	E-5057
H10600L	Hercules	E-5058
H10606L	Hercules	E-5060
H10607R	Hercules	E-5061
H10616L	Hercules	E-5062
H10617R	Hercules	E-5063
H10608L	Hercules	E-5066
H10609R	Hercules	E-5067
H10602L	Hercules	E-5129
H10603R	Hercules	E-5130
H10610L	Hercules	E-5131
H10611R	Hercules	E-5132
H10612L	Hercules	E-5133
H10613R	Hercules	E-5134
H10614L	Hercules	E-5135
H10615R	Hercules	E-5136
H8742	Hercules	E-5140
H3058	Hercules	E-5240A
H3057	Hercules	E-5241A
H3061	Hercules	E-5242A
H3059	Hercules	E-5243A
H3060	Hercules	E-5244A
H10214L	Hercules	E-5490
H10215R	Hercules	E-5491
H10216L	Hercules	E-5492
H10218L	Hercules	E-5492
H10217R	Hercules	E-5493
H10219R	Hercules	E-5493
H10228L	Hercules	E-5494
H10229R	Hercules	E-5495
H10230L	Hercules	E-5496
H10231R	Hercules	E-5497
H8746	Hercules	E-5501
HQ10304L	Hercules	E-5504A
HQ10305R	Hercules	E-5505A
HQ10350L	Hercules	E-5506
H10854L	Hercules	E-5506
HQ10351R	Hercules	E-5507
H10855R	Hercules	E-5507
HQ10352L	Hercules	E-5508
H10856L	Hercules	E-5508
HQ10353R	Hercules	E-5509
H10857R	Hercules	E-5509
HQ10354L	Hercules	E-5510
H10858	Hercules	E-5510

PART NO.	COMPETITOR	EUCLID NO.
H10858L	Hercules	E-5510
HQ10355R	Hercules	E-5511
H10859	Hercules	E-5511
H10859R	Hercules	E-5511
H8766	Hercules	E-5513
H10124L	Hercules	E-5516
H10125R	Hercules	E-5517
H10126L	Hercules	E-5518
H10127R	Hercules	E-5519
HQ10522L	Hercules	E-5520
H10130L	Hercules	E-5520
HQ10523R	Hercules	E-5521
H10131R	Hercules	E-5521
H10152L	Hercules	E-5522
H10153R	Hercules	E-5523
H10154L	Hercules	E-5524
H10155R	Hercules	E-5525
H10158L	Hercules	E-5526
H10159R	Hercules	E-5527
H10198L	Hercules	E-5529
H10199R	Hercules	E-5530
H8783	Hercules	E-6076
HCK1443	Hercules	E-6078
H8788	Hercules	E-6078
H10128L	Hercules	E-6101
H10129R	Hercules	E-6102
H10514	Hercules	E-684
H10515R	Hercules	E-684
H10514L	Hercules	E-685
H10515	Hercules	E-685
H10264	Hercules	E-686
H10265R	Hercules	E-686
H10264L	Hercules	E-687
H10265	Hercules	E-687
H10420L	Hercules	E-6884
H10421R	Hercules	E-6885
HQ10285R	Hercules	E-688A
H10285	Hercules	E-688A
H10285R	Hercules	E-688A
HQ10284L	Hercules	E-689A
H10284	Hercules	E-689A
H10284L	Hercules	E-689A
H10516	Hercules	E-690
H10517R	Hercules	E-690
H10516L	Hercules	E-691
H10517	Hercules	E-691
H2063	Hercules	E-6942
H2062	Hercules	E-6944

PART NO.	COMPETITOR	EUCLID NO.
H10572L	Hercules	E-7217
H10573R	Hercules	E-7218
H10574L	Hercules	E-7219
H10575R	Hercules	E-7220
H8602	Hercules	E-759
H3102	Hercules	E-8906
H10830L	Hercules	E-9028
H10831R	Hercules	E-9029
H10832L	Hercules	E-9030
H10833R	Hercules	E-9031
H10834L	Hercules	E-9032
H10835R	Hercules	E-9033
H10836L	Hercules	E-9034
H10837R	Hercules	E-9035
H8793	Hercules	E-9053
H10056L	Hercules	E-9055
H10057R	Hercules	E-9056
H10224L	Hercules	E-9057
H10225R	Hercules	E-9058
H10226L	Hercules	E-9059
H10227R	Hercules	E-9060
H10844L	Hercules	E-9065
H10845R	Hercules	E-9065
H10845R	Hercules	E-9066
H10846L	Hercules	E-9067A
H10847R	Hercules	E-9067A
H11034L	Hercules	E-9067A
H11035R	Hercules	E-9067A
H10846L	Hercules	E-9068A
H10847R	Hercules	E-9068A
H11034L	Hercules	E-9068A
H11035R	Hercules	E-9068A
H8772M	Hercules	E-9078HD
HCK1442HD	Hercules	E-9079HD
H8772M	Hercules	E-9079HD
H10372L	Hercules	E-9087
H10373R	Hercules	E-9088
H10516L	Hercules	E-9089
H10542L	Hercules	E-9089
H10570L	Hercules	E-9089
H10543R	Hercules	E-9090
H10571R	Hercules	E-9090
H10150L	Hercules	E-9096
H10416L	Hercules	E-9096
H10151R	Hercules	E-9097
H10417R	Hercules	E-9097
H10156L	Hercules	E-9098
H10424L	Hercules	E-9098

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
H10157R	Hercules	E-9099
H10425R	Hercules	E-9099
H10162L	Hercules	E-9100
H10426L	Hercules	E-9100
H10163R	Hercules	E-9101
H10427R	Hercules	E-9101
H10450L	Hercules	E-9263
H10451R	Hercules	E-9264
H10444L	Hercules	E-9273
H10464L	Hercules	E-9273
H10445R	Hercules	E-9274
H10465R	Hercules	E-9274
H3035	Hercules	E-9590
H3036	Hercules	E-9591
H3037	Hercules	E-9592
H3042	Hercules	E-9592
H3038	Hercules	E-9593
H3039	Hercules	E-9594
H3050	Hercules	E-9596
H3051	Hercules	E-9597
H3062	Hercules	E-9598
H3064	Hercules	E-9600
H3069	Hercules	E-9601
H3070	Hercules	E-9602
HQ10300L	Hercules	E-9645
HQ10301R	Hercules	E-9646
HQ10344L	Hercules	E-9647
H10400L	Hercules	E-9647
HQ10345R	Hercules	E-9648
H10401R	Hercules	E-9648
HQ10302L	Hercules	E-9649
H10550	Hercules	E-9649
H10550L	Hercules	E-9649
H10551R	Hercules	E-9649
HQ10303R	Hercules	E-9650
H10550L	Hercules	E-9650
H10551	Hercules	E-9650
H10551R	Hercules	E-9650
HQ10346L	Hercules	E-9651
H10552	Hercules	E-9651
H10552L	Hercules	E-9651
HQ10347R	Hercules	E-9652
H10553	Hercules	E-9652
H10553R	Hercules	E-9652
HQ10360L	Hercules	E-9653
H10555	Hercules	E-9653
H10555R	Hercules	E-9653
HQ10361R	Hercules	E-9654

PART NO.	COMPETITOR	EUCLID NO.
H10554	Hercules	E-9654
H10554L	Hercules	E-9654
HQ10306L	Hercules	E-9655
H10556	Hercules	E-9655
H10556L	Hercules	E-9655
HQ10307R	Hercules	E-9656
H10557	Hercules	E-9656
H10557R	Hercules	E-9656
HQ10348L	Hercules	E-9657
H10558	Hercules	E-9657
H10558L	Hercules	E-9657
HQ10349R	Hercules	E-9658
H10559	Hercules	E-9658
H10559R	Hercules	E-9658
HQ10310L	Hercules	E-9659
H10402L	Hercules	E-9659
H10560	Hercules	E-9659
H10560L	Hercules	E-9659
HQ10311R	Hercules	E-9660
H10403R	Hercules	E-9660
H10561	Hercules	E-9660
H10561R	Hercules	E-9660
HQ10312L	Hercules	E-9661
H10562	Hercules	E-9661
H10562L	Hercules	E-9661
HQ10313R	Hercules	E-9662
H10563	Hercules	E-9662
H10563R	Hercules	E-9662
HQ10340L	Hercules	E-9663
H10404L	Hercules	E-9663
HQ10341R	Hercules	E-9664
H10405R	Hercules	E-9664
HQ10362L	Hercules	E-9665
HQ10363R	Hercules	E-9666
HQ10356L	Hercules	E-9667
H10564	Hercules	E-9667
H10564L	Hercules	E-9667
HQ10357R	Hercules	E-9668
H10565	Hercules	E-9668
H10565R	Hercules	E-9668
HQ10358L	Hercules	E-9669
H10566	Hercules	E-9669
H10566L	Hercules	E-9669
HQ10343R	Hercules	E-9670
HQ10359R	Hercules	E-9670
H10567	Hercules	E-9670
H10567R	Hercules	E-9670
H10779R	Hercules	E-9670

PART NO.	COMPETITOR	EUCLID NO.
HQ10316L	Hercules	E-9671
H10568L	Hercules	E-9671
H10569	Hercules	E-9671
HQ10317R	Hercules	E-9672
H10568	Hercules	E-9672
H10569R	Hercules	E-9672
HQ10318L	Hercules	E-9673A
HQ10320L	Hercules	E-9673A
H10770L	Hercules	E-9673A
HQ10319R	Hercules	E-9674A
HQ10321R	Hercules	E-9674A
H10771R	Hercules	E-9674A
HQ10322L	Hercules	E-9675
H10772L	Hercules	E-9675
H10773	Hercules	E-9675
HQ10323R	Hercules	E-9676
H10772	Hercules	E-9676
H10773R	Hercules	E-9676
HQ10336L	Hercules	E-9677
H10774L	Hercules	E-9677
HQ10337R	Hercules	E-9678
H10775R	Hercules	E-9678
HQ10324L	Hercules	E-9679
HQ10325R	Hercules	E-9680
HQ10328L	Hercules	E-9681
H10776L	Hercules	E-9681
HQ10329R	Hercules	E-9682
H10777R	Hercules	E-9682
HQ10342L	Hercules	E-9683
H10778L	Hercules	E-9683
HQ10343R	Hercules	E-9684
H10779R	Hercules	E-9684
HQ10012L	Hercules	E-9687A
H10012L	Hercules	E-9687A
HQ10013R	Hercules	E-9688A
H10013R	Hercules	E-9688A
HQ10018L	Hercules	E-9689A
H10018L	Hercules	E-9689A
HQ10019R	Hercules	E-9690A
H10019L	Hercules	E-9690A
H10019R	Hercules	E-9690A
HQ10034L	Hercules	E-9691A
H10034L	Hercules	E-9691A
HQ10035R	Hercules	E-9692A
H10035R	Hercules	E-9692A
H10182L	Hercules	E-9693
H10183R	Hercules	E-9694
H10184L	Hercules	E-9695

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
H10184L	Hercules	E-9696
H10185R	Hercules	E-9696
H10186L	Hercules	E-9697
H10187R	Hercules	E-9698
H10188L	Hercules	E-9699
H10189R	Hercules	E-9700
H10190L	Hercules	E-9701
H10191R	Hercules	E-9702
H10192L	Hercules	E-9703
H10193R	Hercules	E-9704
H10148L	Hercules	E-9707
H10149R	Hercules	E-9708
H10200L	Hercules	E-9711
H10201R	Hercules	E-9712
H10202L	Hercules	E-9713
H10203R	Hercules	E-9714
H10204L	Hercules	E-9715
H10205R	Hercules	E-9716
H10206L	Hercules	E-9717
H10207R	Hercules	E-9718
H10416L	Hercules	E-9725
H10417R	Hercules	E-9726
H10166L	Hercules	E-9729
H10167R	Hercules	E-9730
H10168L	Hercules	E-9731
H10169R	Hercules	E-9732
H10170L	Hercules	E-9733
H10171R	Hercules	E-9734
H10172L	Hercules	E-9735
H10173R	Hercules	E-9736
H10174L	Hercules	E-9737
H10175R	Hercules	E-9738
H10452L	Hercules	E-9751
H10453R	Hercules	E-9752
H10482L	Hercules	E-9755
H10483R	Hercules	E-9756
H10484L	Hercules	E-9757
H10485R	Hercules	E-9758
H10180L	Hercules	E-9759
H10486L	Hercules	E-9759
H10181R	Hercules	E-9760
H10487R	Hercules	E-9760
H10818L	Hercules	E-9761
H10819R	Hercules	E-9762
H10028L	Hercules	E-9763
H10029R	Hercules	E-9764
H10030L	Hercules	E-9765
H10052L	Hercules	E-9765

PART NO.	COMPETITOR	EUCLID NO.
H10031R	Hercules	E-9766
H10216L	Hercules	E-9767
H10217R	Hercules	E-9768
H10220L	Hercules	E-9769
H10221R	Hercules	E-9770
H10222L	Hercules	E-9771
H10223R	Hercules	E-9772
HCK1437	Hercules	E-9790A
H8792	Hercules	E-9790A
202102236LH	IMT	E-1094
202102236RH	IMT	E-1094
203109	IMT	E-1112A
202103213RH	IMT	E-1410
202103213LH	IMT	E-1411
408101	IMT	E-1416
4081101	IMT	E-1416
202103233RH	IMT	E-1422
202103233LH	IMT	E-1423
202102205LH	IMT	E-1424A
202102205RH	IMT	E-1424A
202102215RH	IMT	E-1424A
214702	IMT	E-1559
105105001	IMT	E-1561
214104	IMT	E-1569
405120	IMT	E-2102
405128	IMT	E-2102
209999019	IMT	E-2103
209999018	IMT	E-2104
204101001	IMT	E-2177
105106	IMT	E-2237
209108001	IMT	E-2365
203108001	IMT	E-2390
103108001	IMT	E-2390
403147	IMT	E-2391
214107	IMT	E-2392
204108001	IMT	E-2395
205107001	IMT	E-2396
208107	IMT	E-2398
103107001	IMT	E-2550
208502	IMT	E-2767
211102001	IMT	E-3775
20127205LH	IMT	E-3854
202127205LH	IMT	E-3854
202127236LH	IMT	E-3854
20127205RH	IMT	E-3855
202127205RH	IMT	E-3855
20127236LH	IMT	E-3856
202127236RH	IMT	E-3856

PART NO.	COMPETITOR	EUCLID NO.
20127236RH	IMT	E-3857
999195236	IMT	E-4738A
202102225LH	IMT	E-4884
202102225RH	IMT	E-4885
214102	IMT	E-527
214201	IMT	E-527
203113001	IMT	E-5304
208109	IMT	E-5305
214103	IMT	E-539
403107	IMT	E-564
103102001	IMT	E-572
103103001	IMT	E-572
204102001	IMT	E-586
212116	IMT	E-612HD
405129	IMT	E-661
202102215LH	IMT	E-685
403105	IMT	E-719
202102265LH	IMT	E-7219
202102265RH	IMT	E-7220
207100	IMT	E-747
208106	IMT	E-757
102102002	IMT	E-864
200999010	IMT	E-957
202103265LH	IMT	E-9747
202103265RH	IMT	E-9748
R822009	Mack	E-4904S
R822001	Mack	E-940S-BK
2121-0415571004	Mack	E-A3-4734
KIT9002	Mack	KIT-4S
KIT9017	Mack	KIT-4S
20484486	Mack	M807027
25QD345	Mack	M807031
56AX128	Mack	E-10238
320GB11A	Mack	E-1046
R607001	Mack	E-1094
R607002	Mack	E-1095
20527307	Mack	E-11401
25QD419P2	Mack	E-11401
20714924	Mack	E-11402
25QD419P4	Mack	E-11402
2210-C-5359S	Mack	E-1147C
2210-D-5360S	Mack	E-1148C
85111963	Mack	E-11554
85112677	Mack	E-11555
1025M11	Mack	E-1269
R607003	Mack	E-1393
R607004	Mack	E-1394

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
R607005	Mack	E-1410
R607006	Mack	E-1411
R607007	Mack	E-1420
R607008	Mack	E-1421
E607009	Mack	E-1422
R607010	Mack	E-1423
2210-E-5413	Mack	E-1424A
2210-F-5414	Mack	E-1425A
2210-N-2484	Mack	E-1425A
1025M11	Mack	E-1426
20527307	Mack	E-15055
25QD419P2	Mack	E-15055
20714924	Mack	E-15056
25QD419P4	Mack	E-15056
R607011	Mack	E-1563
R607012	Mack	E-1564
R823008	Mack	E-1574HD
R822007	Mack	E-1574S-BK
2210-W-5353S	Mack	E-1773C
2210-X-5354S	Mack	E-1774C
R607015	Mack	E-1775
R607016	Mack	E-1776
KIT9000	Mack	E-1816S
KIT9001	Mack	E-1816SHD
R607020	Mack	E-2099
R607019	Mack	E-2100
R607022	Mack	E-2107
R607021	Mack	E-2108
25QJ35	Mack	E-2303
23QJ201	Mack	E-2304
25QJ36	Mack	E-2305
131SP59	Mack	E-2340
2210-U-5533	Mack	E-2412A
2210-V-5534	Mack	E-2413A
130SP19	Mack	E-2431
11CG198	Mack	E-2434
131SP31	Mack	E-2435
131SP47	Mack	E-2438
2210-M-4329	Mack	E-2441B
2210-L-4328	Mack	E-2442B
2210-R-4334	Mack	E-2443B
2210-Q-4333	Mack	E-2444B
2210-P-4332	Mack	E-2445B
2210-N-4330	Mack	E-2446B
2210-W-4183	Mack	E-2449A
2210-V-4182	Mack	E-2450A
2210-U-4181	Mack	E-2451A
R823002	Mack	E-2458HD

PART NO.	COMPETITOR	EUCLID NO.
R822003	Mack	E-2458S-BK
R823003	Mack	E-2459HD
R82204	Mack	E-2459S-BK
2210-W-2639S	Mack	E-2478B
2210-X-5640S	Mack	E-2479B
R607023	Mack	E-2492
R607024	Mack	E-2493
KIT9020	Mack	E-2522
KIT971	Mack	E-2679A
A3722T358	Mack	E-2689
R607026	Mack	E-2693
R607025	Mack	E-2694
R607027	Mack	E-2714A
R607028	Mack	E-2715A
KIT8000	Mack	E-2769S
KIT8000HD	Mack	E-2769SHD
R607029	Mack	E-2786
R607030	Mack	E-2787
R607031	Mack	E-2794
R607032	Mack	E-2795
R607033	Mack	E-2796
R607034	Mack	E-2797
R607035	Mack	E-2799
R607036	Mack	E-2800
190220	Mack	E-2951
KIT8004	Mack	E-3484
21AX790	Mack	E-3501
25QJ168	Mack	E-3504
23QJ129	Mack	E-3505
25QJ125	Mack	E-3505
21AX626	Mack	E-3506
25QJ13	Mack	E-3507
23QJ12B	Mack	E-3508
21AX335	Mack	E-3509
2210-C-6165	Mack	E-3516
2210-D-6166	Mack	E-3517
KIT970	Mack	E-3520A
R607038	Mack	E-3523
R607037	Mack	E-3524
KIT1129	Mack	E-3525
KIT8029	Mack	E-3869
KIT8014	Mack	E-3895SHD
KIT8014HD	Mack	E-3895SHD
2210-Z-5720S	Mack	E-4702B
2210-Y-5719S	Mack	E-4703B
R607039	Mack	E-4712
R607040	Mack	E-4713
R607041	Mack	E-4716

PART NO.	COMPETITOR	EUCLID NO.
R607042	Mack	E-4717
R607043	Mack	E-4718
R607044	Mack	E-4719
R607045	Mack	E-4720
R607046	Mack	E-4721
R607047	Mack	E-4722
R607048	Mack	E-4723
R607049	Mack	E-4740
R607050	Mack	E-4741
2210-G-6169	Mack	E-4900
2210-H-6170	Mack	E-4901
18AX405	Mack	E-4987A
31AX436	Mack	E-501
15QJ118P2	Mack	E-5044
97AX19	Mack	E-5093
97AX75	Mack	E-5093
3015M86	Mack	E-512
10225M11	Mack	E-537
1025M11	Mack	E-537
41AX167	Mack	E-537
34ISM18	Mack	E-539
18AX424	Mack	E-5551-L
18AX423	Mack	E-5551-R
18AX830	Mack	E-5556-L
18AX829	Mack	E-5556-R
18AX990	Mack	E-5557-L
18AX989	Mack	E-5557-R
18AX826	Mack	E-5558-L
18AX825	Mack	E-5558-R
2210-M-2483	Mack	E-556
15QJ154A	Mack	E-5571A
15QJ21	Mack	E-5573
21AX612	Mack	E-5576-L
21AX611	Mack	E-5576-R
3425Q26	Mack	E-563
21AX92	Mack	E-5652-L
21AX91	Mack	E-5652-R
35AX600	Mack	E-5737
35AX606	Mack	E-5743
15QJ223CP6	Mack	E-5783
15QJ112BP2	Mack	E-5820
15QJ223CP5	Mack	E-5822
15QJ223BP4	Mack	E-5823
15QJ16P3	Mack	E-5883
18AX340	Mack	E-5887
15QJ239	Mack	E-5890
11EHT31	Mack	E-5952
63SP29	Mack	E-5952

CROSS REFERENCE

CROSS REFERENCE

Brake and Wheel End

PART NO.	COMPETITOR	EUCLID NO.
11BMT148	Mack	E-5957
63SP23	Mack	E-5960
21AX96	Mack	E-5977-L
21AX95	Mack	E-5977-R
34QD150	Mack	E-608
R823000	Mack	E-612HD
R822000	Mack	E-612S-BK
25QJ225	Mack	E-6145
23QJ117B	Mack	E-6146
35AX338	Mack	E-6148
8235-A1205V1556	Mack	E-654
R607051	Mack	E-690
R607052	Mack	E-691
25QDA259P6	Mack	E-6914A
25QD49P2	Mack	E-6914A
25QDA259P7	Mack	E-6918A
25QDA340	Mack	E-6918A
25QD412	Mack	E-6918A
25QD49	Mack	E-6918A
25QD410P4	Mack	E-6924B
80AX269	Mack	E-712
6QD120	Mack	E-714
58AX117	Mack	E-752
21AX94	Mack	E-7895-L
21AX93	Mack	E-7895-R
21AX443	Mack	E-7897-L
21AX442	Mack	E-7897-R
21AX610	Mack	E-7898-L
21AX609	Mack	E-7898-R
18AX1159	Mack	E-8966-L
18AX1158	Mack	E-8966-R
3398W883L	Mack	E-8978-L
3398W883R	Mack	E-8978-R
R823001	Mack	E-940HD
2210-F-5440S	Mack	E-9649
2210-E-5439S	Mack	E-9650
2210-B-5332S	Mack	E-9661
2210-A-5331S	Mack	E-9662
2210-H-5390S	Mack	E-9663
8235-2210H5364	Mack	E-9669
2210-D-5334S	Mack	E-9671
2210-C-5333S	Mack	E-9672
2210-N-5370S	Mack	E-9675
2210-M-5369S	Mack	E-9676
2210-Q-5399S	Mack	E-9693
2210-R-5400S	Mack	E-9694
2210-Q-5555S	Mack	E-9695

PART NO.	COMPETITOR	EUCLID NO.
2210-R-5556S	Mack	E-9696
25156842	Mack	M807016
25QD412	Mack	M807016
08007591	Meritor	E-11646
08203868	Meritor	E-11647
08205373	Meritor	E-11648
08205435	Meritor	E-11649
08205740	Meritor	E-11651
08205741	Meritor	E-11652
08205833	Meritor	E-11654
09001254	Meritor	E-11658-R
09001255	Meritor	E-11658-L
09001555	Meritor	E-11665-R
09001652	Meritor	E-11668-R
09001653	Meritor	E-11668-L
09001727	Meritor	E-11701
09001728	Meritor	E-11702
09001763	Meritor	E-11669-R
09001764	Meritor	E-11669-L
09001811	Meritor	E-11703
09001825	Meritor	E-11704
09001826	Meritor	E-11705
09001827	Meritor	E-11722-R
09001828	Meritor	E-11722-L
09001853	Meritor	E-11706
09001855	Meritor	E-11707
09001925	Meritor	E-11697-R
09001926	Meritor	E-11697-L
09001958	Meritor	E-11708
09001962	Meritor	E-11693
09001965	Meritor	E-11673-R
09001966	Meritor	E-11673-L
09001982	Meritor	E-11674-R
09001983	Meritor	E-11674-L
09001990	Meritor	E-11712
09001995	Meritor	E-11677-R
09001996	Meritor	E-11677-L
09001997	Meritor	E-11659-R
09001998	Meritor	E-11659-L
09002000	Meritor	E-11699-L
09002001	Meritor	E-11713
09002002	Meritor	E-11714
09002004	Meritor	E-11716
09002005	Meritor	E-11717
09002013	Meritor	E-11718
09002024	Meritor	E-11685-L
09002025	Meritor	E-11686-R
09002026	Meritor	E-11686-L

PART NO.	COMPETITOR	EUCLID NO.
09002048	Meritor	E-11660-L
09002073	Meritor	E-11724
09002082	Meritor	E-11723-R
09002083	Meritor	E-11723-L
09002085	Meritor	E-11678-R
09002086	Meritor	E-11678-L
09002140	Meritor	E-11725
09002184	Meritor	E-11719
09002204	Meritor	E-11682-R
09002205	Meritor	E-11682-L
09002211	Meritor	E-11681-L
09869701	Meritor	E-11680-R
09869702	Meritor	E-11680-L
09 001669	Meritor	E-11696-L
09 001910	Meritor	E-11672-R
09 001911	Meritor	E-11672-L
09 001914	Meritor	E-11692
09 001964	Meritor	E-11709
09 001988	Meritor	E-11710
09 001989	Meritor	E-9837
09 001991	Meritor	E-11676-R
09 001992	Meritor	E-11676-L
09 001999	Meritor	E-11699-R
09 002003	Meritor	E-11715
09 002047	Meritor	E-11660-R
09 002049	Meritor	E-11661-R
09 002050	Meritor	E-11661-L
1107D 56	Meritor	E-3475
1199U3765	Meritor	E-3511
1205B2004	Meritor	E-3995
1205C2005	Meritor	E-3994
1205K 193	Meritor	E-563
1205N 924	Meritor	E-1272
1205V1452	Meritor	E-2406
1218C 107	Meritor	E-3513
1218G 85	Meritor	E-747
1218Z 52	Meritor	E-10834
1225A 833	Meritor	E-2407
1225B 496 BULK	Meritor	E-1893-BK
1225B 834	Meritor	E-2408
1225C1277	Meritor	E-11951
1225G 449	Meritor	E-919
1225L1208 BULK	Meritor	E-536-BK
1225M 897	Meritor	E-3447
1225N1158	Meritor	E-6080
1225R1058	Meritor	E-2361

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
1225S1267	Meritor	E-920
1225U 151	Meritor	E-712
1225X 440	Meritor	E-10836
1225X 804	Meritor	E-2551
1227B 678	Meritor	E-1253
1227B 756	Meritor	E-572
1227C 549	Meritor	E-540
1227D1226	Meritor	E-2550
1227H 34	Meritor	E-618
1227R 330	Meritor	E-2305
1227R1240	Meritor	E-7658
1227U 541	Meritor	E-2299
1227V 464	Meritor	E-6140
1229A4135	Meritor	E-9073
1229B 236	Meritor	E-3471
1229B1848	Meritor	E-1113
1229B2498	Meritor	E-3426
1229B4136	Meritor	E-9074
1229C4137	Meritor	E-9075
1229D 108	Meritor	E-10817
1229D2942	Meritor	E-5093
1229E 811	Meritor	E-3473
1229E1565	Meritor	E-10831
1229F1566	Meritor	E-10832
1229F4686	Meritor	E-9071
1229G1021	Meritor	E-2421
1229H 476	Meritor	E-2660
1229J 868	Meritor	E-564
1229J4092	Meritor	E-9076
1229M 221	Meritor	E-1106
1229N2250	Meritor	E-3478
1229P 302	Meritor	E-3472
1229Q 277	Meritor	E-3476
1229Q 771	Meritor	E-581
1229Q2851	Meritor	E-4736
1229R 122	Meritor	E-580
1229R4100	Meritor	E-6077
1229S 435	Meritor	E-10857
1229S 747	Meritor	E-10843
1229S2697	Meritor	E-3479
1229S4101	Meritor	E-9072
1229T1164	Meritor	E-10851
1229T1554	Meritor	E-10842
1229T4102	Meritor	E-9077
1229U1113	Meritor	E-10776
1229V1504	Meritor	E-3874
1229V1556	Meritor	E-3427
1229X1116	Meritor	E-801

PART NO.	COMPETITOR	EUCLID NO.
1229X2936	Meritor	E-10845
1229X3118	Meritor	E-2411A
1229Z1118	Meritor	E-526
1229Z3068	Meritor	E-1561
1245N 144	Meritor	E-10819
1246F1020	Meritor	E-3482
1246L 350	Meritor	E-10828
1246R 382	Meritor	E-10822
1259B 262	Meritor	E-3424
1259L 194	Meritor	E-10835
1259N 274 BULK	Meritor	E-2766-BK
1259N1132	Meritor	E-2119
1259P 198	Meritor	E-10825
1259Q 251 BULK	Meritor	E-512-BK
1259R 252	Meritor	E-502
1259V 308	Meritor	E-5087
1707B 2	Meritor	E-11950
1725H 8	Meritor	E-10839
1725V 22	Meritor	E-10813
1746U 47	Meritor	E-10811
1779B1172	Meritor	E-523
1779J 114	Meritor	E-10812
1779L 116	Meritor	E-10838
1779Q 147	Meritor	E-1467
1779Q 433	Meritor	E-1262
1779X 180	Meritor	E-10823
1829P 198	Meritor	E-2724
19X 143	Meritor	E-5090
2205P1004	Meritor	E-3871
2210K7473	Meritor	E-11532
2210K7499	Meritor	E-11540
2210K7551	Meritor	E-9666
2210K7603	Meritor	E-9674A
2210L6746	Meritor	E-9711
2210L7396	Meritor	E-9645
2210L7474	Meritor	E-11533
2210L7500	Meritor	E-11541
2210L7552	Meritor	E-9665
2210L7604	Meritor	E-9673A
2210L8176	Meritor	E-11640
2210M6747	Meritor	E-9712
2210M6851	Meritor	E-9697
2210M7449	Meritor	E-9065
2210M7501	Meritor	E-11542
2210M7787	Meritor	E-11604
2210M8177	Meritor	E-11641

PART NO.	COMPETITOR	EUCLID NO.
2210N6852	Meritor	E-9698
2210N7450	Meritor	E-9066
2210N7502	Meritor	E-11543
2210N7788	Meritor	E-11605
2210P7426	Meritor	E-9650
2210P7478	Meritor	E-11534
2210P7530	Meritor	E-11548
2210P7582	Meritor	E-11592
2210P7608	Meritor	E-11568
2210P7660	Meritor	E-11576
2210P7842	Meritor	E-11544
2210Q6725	Meritor	E-9713
2210Q6751	Meritor	E-9717
2210Q7427	Meritor	E-9649
2210Q7479	Meritor	E-11535
2210Q7531	Meritor	E-11549
2210Q7583	Meritor	E-11593
2210Q7609	Meritor	E-11569
2210Q7661	Meritor	E-11577
2210Q7843	Meritor	E-11545
2210Q8181	Meritor	E-11968
2210R6726	Meritor	E-9714
2210R6752	Meritor	E-9718
2210R6856	Meritor	E-9699
2210R7428	Meritor	E-11522
2210R7688	Meritor	E-9684
2210R7714	Meritor	E-11590
2210R7766	Meritor	E-11600
2210R7844	Meritor	E-11558
2210R8182	Meritor	E-11969
2210S7429	Meritor	E-11523
2210S7689	Meritor	E-9683
2210S7715	Meritor	E-11591
2210S7767	Meritor	E-11601
2210S7845	Meritor	E-11559
2210S8157	Meritor	E-2444B
2210S8183	Meritor	E-11610
2210T4908	Meritor	E-10860
2210T7430	Meritor	E-11524
2210T7456	Meritor	E-9654
2210T7534	Meritor	E-11550
2210T7560	Meritor	E-11554
2210T8158	Meritor	E-2443B
2210T8184	Meritor	E-11611
2210U7431	Meritor	E-11525
2210U7457	Meritor	E-9653
2210U7535	Meritor	E-11551
2210U7561	Meritor	E-11555

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
2210U7665	Meritor	E-11579
2210U8159	Meritor	E-2446B
2210U8315	Meritor	E-11622
2210V6860	Meritor	E-9701
2210V7484	Meritor	E-11536
2210V7510	Meritor	E-11546
2210V7666	Meritor	E-11580
2210V7718	Meritor	E-11592
2210V8160	Meritor	E-2445B
2210V8316	Meritor	E-11623
2210W6731	Meritor	E-9707
2210W6861	Meritor	E-9702
2210W7485	Meritor	E-11537
2210W7511	Meritor	E-11547
2210W7667	Meritor	E-11581
2210W7719	Meritor	E-11593
2210W8317	Meritor	E-11608
2210X6732	Meritor	E-9708
2210X7408	Meritor	E-9648
2210X7564	Meritor	E-11556
2210X7590	Meritor	E-11564
2210X8318	Meritor	E-11609
2210Y7409	Meritor	E-9647
2210Y7565	Meritor	E-11557
2210Y7591	Meritor	E-11565
2210Y8345	Meritor	E-11612
2210Z7514	Meritor	E-9658
2210Z7618	Meritor	E-11570
2210Z7644	Meritor	E-9678
2210Z7670	Meritor	E-9682
2210Z7696	Meritor	E-11586
2210Z7748	Meritor	E-11598
2210Z8346	Meritor	E-11613
2258B 704	Meritor	E-3481A
2258E1123	Meritor	E-3873
2258G 579	Meritor	E-3437
2258J 400	Meritor	E-10826
2258K 349	Meritor	E-543
2258K1181	Meritor	E-3872
2258L1234	Meritor	E-9063
2258P 354	Meritor	E-545A
2258Q 615	Meritor	E-2767
2258R 590	Meritor	E-3512
2258S 643	Meritor	E-9069
2258U 619 BULK	Meritor	E-2768-BK
2258V 256	Meritor	E-757
2258W 803	Meritor	E-3490B

PART NO.	COMPETITOR	EUCLID NO.
2258X 804	Meritor	E-5088
2258Y1273	Meritor	E-9643
2297A5123	Meritor	E-2135
2297A5331	Meritor	E-2137
2297B5332	Meritor	E-2136
2297C5021	Meritor	E-3483
2297C5333	Meritor	E-2139
2297N2874	Meritor	E-3499
2297X5328	Meritor	E-2134
2297Y5329	Meritor	E-1137
2297Z5330	Meritor	E-1136
2758Q 43	Meritor	E-1458
2758W 127	Meritor	E-2476
2797B 106	Meritor	E-8890
2797B1042	Meritor	E-8888
2797D 56	Meritor	E-8889
2797E 109	Meritor	E-8894
3105B 210	Meritor	E-3007A
3264R1292	Meritor	E-11935
3299A5981	Meritor	E-2681A
3299C4189	Meritor	E-2193
3299U5299	Meritor	E-2096
5X 640	Meritor	E-537
A 4X1883	Meritor	E-11988
A 1205D2110	Meritor	E-3878
A 1205P1602	Meritor	E-3469
A 1205S1943	Meritor	E-1269
A 1229S4179	Meritor	E-7660
A 1229W2545	Meritor	E-3008
A 2247D1018	Meritor	E-1261
A 2247E1019	Meritor	E-2141
A 2247F1020	Meritor	E-2142
A 2297B5670	Meritor	E-5540
A 2297V2882	Meritor	E-3492
A 3105D1148	Meritor	E-9784
A 3105L1078	Meritor	E-6076
A 3222D1356	Meritor	E-3417
A 3222K2169	Meritor	E-10844
A 3222S2021	Meritor	E-1139
A 3222V1088	Meritor	E-3495
A 3222Z2288	Meritor	E-10854
A 3256H1152	Meritor	E-11913
A 3264S 227	Meritor	E-11938
A 3280E6817	Meritor	E-PB1216
A 3280U8185	Meritor	E-3996
A 3280V8186	Meritor	E-3997
A 3280W8187	Meritor	E-3998
A 3280X8188	Meritor	E-3999

PART NO.	COMPETITOR	EUCLID NO.
A 3722D 82	Meritor	E-2687
A 3722E 681	Meritor	E-1457
A 3722T 358	Meritor	E-2689
A 3736W 907	Meritor	E-11939
A 1 3105Q1213	Meritor	E-11952
A 1 3236C1823	Meritor	E-11943
A 1 3236Q2123	Meritor	E-11940
A 1 3264J 114	Meritor	E-11941
A 1 3722R 824	Meritor	E-10810
A 2 3264P1082	Meritor	E-11937
A 3 1705M 221	Meritor	E-5532
A 4 3222M1157	Meritor	E-10803
A3-333B4734	Meritor	E-A3-4734
K 2824Z	Meritor	E-2306
KIT 1106B	Meritor	E-7212A
KIT 1129	Meritor	E-3525
KIT 8004	Meritor	E-3484
KIT 8029	Meritor	E-3869
KIT 8037	Meritor	E-9070
KIT 8048	Meritor	E-3520A
KIT 8058	Meritor	E-9078HD
KIT 8091	Meritor	E-11977
KIT 8289	Meritor	E-6078
KIT 8883	Meritor	E-11904
KIT 9006RHB	Meritor	E-7213A
KIT 9017	Meritor	KIT-4S
KIT 9037	Meritor	E-1357A
KIT 9081	Meritor	E-11974
KIT 9094	Meritor	E-4691
KIT 9300	Meritor	E-3446
KIT 9304	Meritor	E-3468A
KIT 9425	Meritor	E-4800
M34 3276L 12	Meritor	E-12SD300R
MKT 1308E	Meritor	E-1308E
MKT 1308QMA	Meritor	E-1308QMA
MKT 4515P	Meritor	E-4515P
MKT 4515PHD	Meritor	E-4515PHD
MKT 4515QHDK	Meritor	E-4515QHD-N
MKT 4515X	Meritor	E-4515X
MKT 4515XHD	Meritor	E-4515XHD
MKT4515QMB- HD-N	Meritor	E-4515QMBHD- N
MKT4709ES2-N	Meritor	E-4709ES2-N
R000540	Meritor	E-540
R000572	Meritor	E-572
R000573	Meritor	E-3008
R0010093A	Meritor	E-10093A
R001016L	Meritor	E-10200-L

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
R001016R	Meritor	E-10200-R
R0010202L	Meritor	E-10202-L
R0010202R	Meritor	E-10202-R
R0010206L	Meritor	E-10206-L
R0010206R	Meritor	E-10206-R
R0010208L	Meritor	E-10208-L
R0010208R	Meritor	E-10208-R
R0010209L	Meritor	E-10209-L
R0010209R	Meritor	E-10209-R
R0010210L	Meritor	E-10210-L
R0010210R	Meritor	E-10210-R
R0010213L	Meritor	E-10213-L
R0010213R	Meritor	E-10213-R
R0010214L	Meritor	E-10214-L
R0010214R	Meritor	E-10214-R
R0010215	Meritor	E-10215
R0010216	Meritor	E-10216
R0010217	Meritor	E-10217
R0010218	Meritor	E-10218
R0010219	Meritor	E-10219
R0010220	Meritor	E-10220
R0010221	Meritor	E-10221
R0010222	Meritor	E-10222
R0010223	Meritor	E-10223
R0010225L	Meritor	E-10225-L
R0010225R	Meritor	E-10225-R
R0010226L	Meritor	E-10226-L
R0010226R	Meritor	E-10226-R
R0010227L	Meritor	E-10227-L
R0010227R	Meritor	E-10227-R
R0010228L	Meritor	E-10228-L
R0010228R	Meritor	E-10228-R
R0010229	Meritor	E-10229
R0010234	Meritor	E-10234
R0010235	Meritor	E-10235
R0010242	Meritor	E-10242
R0010254L	Meritor	E-10254-L
R0010254R	Meritor	E-10254-R
R0010256	Meritor	E-10256
R0010257	Meritor	E-10257
R0010258L	Meritor	E-10258-L
R0010258R	Meritor	E-10258-R
R0010259L	Meritor	E-10259-L
R0010259R	Meritor	E-10259-R
R0010676	Meritor	E-10676
R001087	Meritor	E-1087
R0011003	Meritor	E-11003
R001124L	Meritor	E-10201-L

PART NO.	COMPETITOR	EUCLID NO.
R0011445	Meritor	E-11445
R0011446	Meritor	E-11446
R0011819	Meritor	E-11819
R0011907	Meritor	E-11907
R0011907H	Meritor	E-11907H
R001250	Meritor	E-1250
R001251	Meritor	E-1251
R001252	Meritor	E-1252
R001362	Meritor	E-1362
R0014640	Meritor	E-14640
R0014924	Meritor	E-14924
R001559	Meritor	E-1559
R001561	Meritor	E-1561
R0015680	Meritor	E-15680
R0015681	Meritor	E-15681
R0015682	Meritor	E-15682
R0015683	Meritor	E-15683
R001597A	Meritor	E-1597A
R001607R	Meritor	E-10224-R
R001623L	Meritor	E-10249-L
R001623R	Meritor	E-10249-R
R0017001	Meritor	E-17001
R001828	Meritor	E-1828
R001901	Meritor	E-1901
R001904	Meritor	E-1904
R001905	Meritor	E-10230
R001906	Meritor	E-1906
R001907	Meritor	E-1907
R001908	Meritor	E-1908
R001909	Meritor	E-1909
R001910	Meritor	E-1910
R001911	Meritor	E-1911
R001912	Meritor	E-1912
R001913	Meritor	E-1913
R001914	Meritor	E-1914
R001915	Meritor	E-1915
R001916	Meritor	E-1916
R001917	Meritor	E-1917
R001918	Meritor	E-1918
R001920	Meritor	E-1920
R001921	Meritor	E-1921
R001922	Meritor	E-1922
R001923	Meritor	E-1923
R001924	Meritor	E-1924
R001925	Meritor	E-1925
R001926	Meritor	E-1926
R001927	Meritor	E-1927
R001929	Meritor	E-1929

PART NO.	COMPETITOR	EUCLID NO.
R001930	Meritor	E-1930
R001931	Meritor	E-1931
R001932	Meritor	E-1932
R001936	Meritor	E-1936
R002091	Meritor	E-2091
R002128	Meritor	E-2128
R002237	Meritor	E-2237
R002296	Meritor	E-2296
R002297	Meritor	E-2297
R002298	Meritor	E-2298
R002299	Meritor	E-2299
R002300	Meritor	E-2300
R002301	Meritor	E-2301
R002303	Meritor	E-2303
R002304	Meritor	E-2304
R002305	Meritor	E-2305
R002306	Meritor	E-2306
R002307	Meritor	E-2307
R002340	Meritor	E-2340
R002341	Meritor	E-2341
R002417	Meritor	E-2417
R002419	Meritor	E-2419
R002422	Meritor	E-2422
R002423	Meritor	E-2423
R002424	Meritor	E-2424
R002425	Meritor	E-2425
R002431	Meritor	E-2431
R002433	Meritor	E-2433
R002434	Meritor	E-2434
R002435	Meritor	E-2435
R002436	Meritor	E-2436
R002437	Meritor	E-2437
R002438	Meritor	E-2438
R002460	Meritor	E-2460
R002461	Meritor	E-2461
R002462	Meritor	E-2462
R002463	Meritor	E-2463
R002464	Meritor	E-2464
R002465	Meritor	E-2465
R002467	Meritor	E-2467
R002468	Meritor	E-2468
R002518A	Meritor	E-2518A
R002550	Meritor	E-2550
R002650	Meritor	E-8963
R002654	Meritor	E-2654
R002660	Meritor	E-2660
R002662	Meritor	E-2662
R002739	Meritor	E-2739

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**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
R002951	Meritor	E-2951
R003010	Meritor	E-3010
R003130L	Meritor	E-10253-L
R003130R	Meritor	E-10253-R
R003371	Meritor	E-3371
R003372	Meritor	E-3372
R003421A	Meritor	E-3421A
R003501	Meritor	E-3501
R003502	Meritor	E-3502
R003504	Meritor	E-3504
R003505	Meritor	E-3505
R003506	Meritor	E-3506
R003507	Meritor	E-3507
R003508	Meritor	E-3508
R003509	Meritor	E-3509
R003510	Meritor	E-3510
R003520AHD	Meritor	E-3520AHD
R003723L	Meritor	E-3723-L
R003723R	Meritor	E-3723-R
R003727R	Meritor	E-3727-R
R003728L	Meritor	E-3728-L
R003728R	Meritor	E-3728-R
R003775	Meritor	E-3775
R003909	Meritor	E-3909
R003910	Meritor	E-3910
R004738A	Meritor	E-4738A
R004739	Meritor	E-4739
R004855	Meritor	E-4855
R004857	Meritor	E-4857
R004858	Meritor	E-4858
R004859	Meritor	E-4859
R004861	Meritor	E-4861
R004863	Meritor	E-4863
R004868	Meritor	E-4868
R004869	Meritor	E-4869
R004871	Meritor	E-4871
R004873	Meritor	E-4873
R004876	Meritor	E-4876
R004877	Meritor	E-4877
R004878	Meritor	E-4878
R004879	Meritor	E-4879
R004881	Meritor	E-4881
R004942	Meritor	E-4942
R004944	Meritor	E-4944
R004945	Meritor	E-4945
R004946	Meritor	E-4946
R004947	Meritor	E-4947
R004948	Meritor	E-4948

PART NO.	COMPETITOR	EUCLID NO.
R004949	Meritor	E-4949
R004950	Meritor	E-4950
R004951	Meritor	E-4951
R004952	Meritor	E-4952
R004953	Meritor	E-4953
R004955	Meritor	E-4955
R004956A	Meritor	E-4956A
R004957	Meritor	E-4957
R004958	Meritor	E-4958
R004960	Meritor	E-4960
R004961A	Meritor	E-4961A
R004962	Meritor	E-4962
R004963	Meritor	E-4963
R004964L	Meritor	E-4964-L
R004964R	Meritor	E-4964-R
R004965L	Meritor	E-4965-L
R004965R	Meritor	E-4965-R
R004966L	Meritor	E-4966-L
R004966R	Meritor	E-4966-R
R004967L	Meritor	E-4967-L
R004967R	Meritor	E-4967-R
R004968L	Meritor	E-4968-L
R004968R	Meritor	E-4968-R
R004969L	Meritor	E-4969-L
R004969R	Meritor	E-4969-R
R004975R	Meritor	E-4975-R
R004976R	Meritor	E-4976-R
R004979R	Meritor	E-4979-R
R004987A	Meritor	E-4987A
R004988L	Meritor	E-4988-L
R004988R	Meritor	E-4988-R
R005007	Meritor	E-5007
R005008	Meritor	E-5008
R005012	Meritor	E-5012
R005018	Meritor	E-5018
R005032	Meritor	E-5032
R005040A	Meritor	E-5040A
R005044	Meritor	E-5044
R005205	Meritor	E-5205
R005206	Meritor	E-5206
R005207	Meritor	E-5207
R005208	Meritor	E-5208
R005242A	Meritor	E-5242A
R005243A	Meritor	E-5243A
R005244A	Meritor	E-5244A
R005500	Meritor	E-05500
R005551L	Meritor	E-5551-L
R005551R	Meritor	E-5551-R

PART NO.	COMPETITOR	EUCLID NO.
R005553L	Meritor	E-5553-L
R005553R	Meritor	E-5553-R
R005554L	Meritor	E-5554-L
R005554R	Meritor	E-5554-R
R005556L	Meritor	E-5556-L
R005556R	Meritor	E-5556-R
R005557L	Meritor	E-5557-L
R005557R	Meritor	E-5557-R
R005558L	Meritor	E-5558-L
R005558R	Meritor	E-5558-R
R005559L	Meritor	E-5559-L
R005559R	Meritor	E-5559-R
R005560L	Meritor	E-5560-L
R005560R	Meritor	E-5560-R
R005561L	Meritor	E-5561-L
R005561R	Meritor	E-5561-R
R005570	Meritor	E-5570
R005571A	Meritor	E-5571A
R005572A	Meritor	E-5572A
R005573	Meritor	E-5573
R005576L	Meritor	E-5576-L
R005576R	Meritor	E-5576-R
R005579L	Meritor	E-5579-L
R005579R	Meritor	E-5579-R
R005585L	Meritor	E-5585-L
R005585R	Meritor	E-5585-R
R005587L	Meritor	E-5587-L
R005587R	Meritor	E-5587-R
R005588L	Meritor	E-5588-L
R005588R	Meritor	E-5588-R
R005589L	Meritor	E-5589-L
R005589R	Meritor	E-5589-R
R005610R	Meritor	E-5610-R
R005612R	Meritor	E-5612-R
R005618L	Meritor	E-5618-L
R005618R	Meritor	E-5618-R
R005632	Meritor	E-5632
R005652L	Meritor	E-5652-L
R005652R	Meritor	E-5652-R
R005682	Meritor	E-5682
R005683	Meritor	E-5683
R005702	Meritor	E-5702
R005704	Meritor	E-5704
R005706	Meritor	E-5706
R005708	Meritor	E-5708
R005710	Meritor	E-5710
R005711	Meritor	E-5711
R005713L	Meritor	E-5713-L

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PART NO.	COMPETITOR	EUCLID NO.
R005713R	Meritor	E-5713-R
R005714L	Meritor	E-5714-L
R005714R	Meritor	E-5714-R
R005715L	Meritor	E-5715-L
R005715R	Meritor	E-5715-R
R005716L	Meritor	E-5716-L
R005716R	Meritor	E-5716-R
R005717L	Meritor	E-5717-L
R005717R	Meritor	E-5717-R
R005718L	Meritor	E-5718-L
R005718R	Meritor	E-5718-R
R005719L	Meritor	E-5719-L
R005719R	Meritor	E-5719-R
R005720L	Meritor	E-5720-L
R005720R	Meritor	E-5720-R
R005721L	Meritor	E-5721-L
R005721R	Meritor	E-5721-R
R005722L	Meritor	E-5722-L
R005722R	Meritor	E-5722-R
R005724	Meritor	E-5724
R005726	Meritor	E-5726
R005727	Meritor	E-5727
R005728	Meritor	E-5728
R005729	Meritor	E-5729
R005734	Meritor	E-5734
R005736	Meritor	E-5736
R005737	Meritor	E-5737
R005738	Meritor	E-5738
R005739	Meritor	E-5739
R005740	Meritor	E-5740
R005742	Meritor	E-5742
R005743	Meritor	E-5743
R005748L	Meritor	E-5748-L
R005748R	Meritor	E-5748-R
R005749L	Meritor	E-5749-L
R005749R	Meritor	E-5749-R
R005750L	Meritor	E-5750-L
R005750R	Meritor	E-5750-R
R005756L	Meritor	E-5756-L
R005756R	Meritor	E-5756-R
R005757L	Meritor	E-5757-L
R005757R	Meritor	E-5757-R
R005761	Meritor	E-5761
R005764L	Meritor	E-5764-L
R005764R	Meritor	E-5764-R
R005765L	Meritor	E-5765-L
R005765R	Meritor	E-5765-R
R005766L	Meritor	E-5766-L

PART NO.	COMPETITOR	EUCLID NO.
R005766R	Meritor	E-5766-R
R005775	Meritor	E-5775
R005776	Meritor	E-5776
R005781	Meritor	E-5781
R005781G	Meritor	E-5781
R005783	Meritor	E-5783
R005783G	Meritor	E-5783
R005784	Meritor	E-5784A
R005785A	Meritor	E-5785A
R005785G	Meritor	E-5785A
R005796	Meritor	E-5796
R005799	Meritor	E-5799
R005800	Meritor	E-5800
R005801	Meritor	E-5801
R005816	Meritor	E-5816
R005820	Meritor	E-5820
R005821	Meritor	E-5821
R005821G	Meritor	E-5821
R005822	Meritor	E-5822
R005823	Meritor	E-5823
R005824	Meritor	E-5824
R005825	Meritor	E-5825
R005827	Meritor	E-5827
R005827G	Meritor	E-5827
R005828	Meritor	E-5828
R005828G	Meritor	E-5828
R005833	Meritor	E-5833
R005834	Meritor	E-5834
R005837	Meritor	E-5837
R005838	Meritor	E-5838
R005838G	Meritor	E-5838
R005841	Meritor	E-5841
R005850	Meritor	E-5850
R005851	Meritor	E-5851
R005854	Meritor	E-5854
R005855	Meritor	E-5855
R005856	Meritor	E-5856
R005868L	Meritor	E-5868-L
R005868R	Meritor	E-5868-R
R005869L	Meritor	E-5869-L
R005869R	Meritor	E-5869-R
R005870L	Meritor	E-5870-L
R005870R	Meritor	E-5870-R
R005871L	Meritor	E-5871-L
R005871R	Meritor	E-5871-R
R005872	Meritor	E-5872
R005876L	Meritor	E-5876-L
R005876R	Meritor	E-5876-R

PART NO.	COMPETITOR	EUCLID NO.
R005883	Meritor	E-5883
R005885	Meritor	E-5885
R005887	Meritor	E-5887
R005890	Meritor	E-5890
R005891	Meritor	E-5891
R005892	Meritor	E-5892
R005896L	Meritor	E-5896-L
R005896R	Meritor	E-5896-R
R005897L	Meritor	E-5897-L
R005897R	Meritor	E-5897-R
R005898L	Meritor	E-5898-L
R005898R	Meritor	E-5898-R
R005899L	Meritor	E-5899-L
R005899R	Meritor	E-5899-R
R005900L	Meritor	E-5900-L
R005900R	Meritor	E-5900-R
R005902	Meritor	E-5902
R005902G	Meritor	E-5902
R005904A	Meritor	E-5904A
R005906	Meritor	E-5906
R005909L	Meritor	E-5909-L
R005909R	Meritor	E-5909-R
R005910L	Meritor	E-5910-L
R005910R	Meritor	E-5910-R
R005911L	Meritor	E-5911-L
R005911R	Meritor	E-5911-R
R005916L	Meritor	E-5916-L
R005916R	Meritor	E-5916-R
R005918L	Meritor	E-5918-L
R005918R	Meritor	E-5918-R
R005920L	Meritor	E-5920-L
R005920R	Meritor	E-5920-R
R005922L	Meritor	E-5922-L
R005922R	Meritor	E-5922-R
R005923L	Meritor	E-5923-L
R005923R	Meritor	E-5923-R
R005924L	Meritor	E-5924-L
R005924R	Meritor	E-5924-R
R005926	Meritor	E-5926
R005926G	Meritor	E-5926
R005929L	Meritor	E-5929-L
R005929R	Meritor	E-5929-R
R005930L	Meritor	E-5930-L
R005930R	Meritor	E-5930-R
R005931L	Meritor	E-5931-L
R005931R	Meritor	E-5931-R
R005932L	Meritor	E-5932-L
R005932R	Meritor	E-5932-R

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
R005933L	Meritor	E-5933-L
R005933R	Meritor	E-5933-R
R005935L	Meritor	E-5935-L
R005935R	Meritor	E-5935-R
R005936L	Meritor	E-5936-L
R005936R	Meritor	E-5936-R
R005937L	Meritor	E-5937-L
R005944	Meritor	E-5944
R005946	Meritor	E-5946
R005947	Meritor	E-5947
R005949	Meritor	E-5949
R005952	Meritor	E-5952
R005953	Meritor	E-5953
R005953G	Meritor	E-5953
R005954	Meritor	E-5954
R005955	Meritor	E-5955
R005957	Meritor	E-5957
R005960	Meritor	E-5960
R005961	Meritor	E-5961
R005963	Meritor	E-5963
R005964	Meritor	E-5964
R005970	Meritor	E-5970
R005971	Meritor	E-5971
R005972	Meritor	E-5972
R005973	Meritor	E-5973
R005976	Meritor	E-5976
R005977L	Meritor	E-5977-L
R005977LBK	Meritor	E-5977-L-BK
R005977R	Meritor	E-5977-R
R005977RBK	Meritor	E-5977-R-BK
R005978L	Meritor	E-5978-L
R005978R	Meritor	E-5978-R
R005982L	Meritor	E-5982-L
R005982R	Meritor	E-5982-R
R005983L	Meritor	E-5983-L
R005983R	Meritor	E-5983-R
R005985L	Meritor	E-5985-L
R005985R	Meritor	E-5985-R
R005986L	Meritor	E-5986-L
R005986R	Meritor	E-5986-R
R005987L	Meritor	E-5987-L
R005987R	Meritor	E-5987-R
R005988L	Meritor	E-5988-L
R005988R	Meritor	E-5988-R
R005989L	Meritor	E-5989-L
R005989R	Meritor	E-5989-R
R005990L	Meritor	E-5990-L
R005990R	Meritor	E-5990-R

PART NO.	COMPETITOR	EUCLID NO.
R005991	Meritor	E-5991
R005992A	Meritor	E-5992A
R005993	Meritor	E-5993
R005994	Meritor	E-5994
R005995L	Meritor	E-5995-L
R005995R	Meritor	E-5995-R
R005996L	Meritor	E-5996-L
R005996R	Meritor	E-5996-R
R005997	Meritor	E-5997
R005998	Meritor	E-5998
R005999	Meritor	E-5999
R006000A	Meritor	E-6000A
R006001	Meritor	E-6001A
R006023L	Meritor	E-6023-L
R006023R	Meritor	E-6023-R
R006024L	Meritor	E-6024-L
R006024R	Meritor	E-6024-R
R006026L	Meritor	E-6026-L
R006026R	Meritor	E-6026-R
R006027L	Meritor	E-6027-L
R006027R	Meritor	E-6027-R
R006028L	Meritor	E-6028-L
R006028R	Meritor	E-6028-R
R006029	Meritor	E-6029A
R006030	Meritor	E-6030A
R006033L	Meritor	E-6033-L
R006033R	Meritor	E-6033-R
R006034	Meritor	E-6034
R006035	Meritor	E-6035
R006036	Meritor	E-6036
R006053	Meritor	E-6053
R006053G	Meritor	E-6053
R006054	Meritor	E-6054
R006057L	Meritor	E-6057-L
R006057R	Meritor	E-6057-R
R006058L	Meritor	E-6058-L
R006058R	Meritor	E-6058-R
R006059L	Meritor	E-6059-L
R006059R	Meritor	E-6059-R
R006060L	Meritor	E-6060-L
R006060R	Meritor	E-6060-R
R006137	Meritor	E-6137
R006138	Meritor	E-6138
R006141	Meritor	E-6141
R006142	Meritor	E-6142
R006144	Meritor	E-6144
R006145	Meritor	E-6145
R006146	Meritor	E-6146

PART NO.	COMPETITOR	EUCLID NO.
R006147	Meritor	E-6147
R006148	Meritor	E-6148
R007014	Meritor	E-4945
R007118	Meritor	E-10238
R007224	Meritor	E-10828
R007664	Meritor	E-7664
R007665	Meritor	E-7665
R007666	Meritor	E-7666
R007775	Meritor	E-7775
R007895L	Meritor	E-7895-L
R007895R	Meritor	E-7895-R
R007896L	Meritor	E-7896-L
R007896R	Meritor	E-7896-R
R007897L	Meritor	E-7897-L
R007897R	Meritor	E-7897-R
R007898L	Meritor	E-7898-L
R007898R	Meritor	E-7898-R
R00864	Meritor	E-864
R008906	Meritor	E-8906
R008946L	Meritor	E-8946-L
R008946R	Meritor	E-8946-R
R008947L	Meritor	E-8947-L
R008947R	Meritor	E-8947-R
R008948L	Meritor	E-8948-L
R008948R	Meritor	E-8948-R
R008949L	Meritor	E-8949-L
R008949R	Meritor	E-8949-R
R008950L	Meritor	E-8950-L
R008950R	Meritor	E-8950-R
R008951L	Meritor	E-8951-L
R008951R	Meritor	E-8951-R
R008952L	Meritor	E-8952-L
R008952R	Meritor	E-8952-R
R008954L	Meritor	E-8954-L
R008954R	Meritor	E-8954-R
R008955L	Meritor	E-8955-L
R008955R	Meritor	E-8955-R
R008957L	Meritor	E-8957-L
R008957R	Meritor	E-8957-R
R008958L	Meritor	E-8958-L
R008958R	Meritor	E-8958-R
R008959L	Meritor	E-8959-L
R008959R	Meritor	E-8959-R
R008960	Meritor	E-8960
R008961	Meritor	E-8961
R008962	Meritor	E-8962
R008964	Meritor	E-8964
R008965	Meritor	E-8965

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
R008966L	Meritor	E-8966-L
R008966R	Meritor	E-8966-R
R008968L	Meritor	E-8968-L
R008968R	Meritor	E-8968-R
R008969L	Meritor	E-8969-L
R008969R	Meritor	E-8969-R
R008972L	Meritor	E-8972-L
R008972R	Meritor	E-8972-R
R008976L	Meritor	E-8976-L
R008976R	Meritor	E-8976-R
R008977L	Meritor	E-8977-L
R008977R	Meritor	E-8977-R
R008978L	Meritor	E-8978-L
R008978R	Meritor	E-8978-R
R008979L	Meritor	E-8979-L
R008979R	Meritor	E-8979-R
R008980	Meritor	E-8980
R008981	Meritor	E-8981
R008982L	Meritor	E-8982-L
R008982R	Meritor	E-8982-R
R008983L	Meritor	E-8983-L
R008983R	Meritor	E-8983-R
R008985L	Meritor	E-8985-L
R008985R	Meritor	E-8985-R
R008986	Meritor	E-8986
R008987	Meritor	E-8987
R008988	Meritor	E-8988
R008990L	Meritor	E-8990-L
R008990R	Meritor	E-8990-R
R008992L	Meritor	E-8992-L
R008992R	Meritor	E-8992-R
R008993L	Meritor	E-8993-L
R008993R	Meritor	E-8993-R
R008994L	Meritor	E-8994-L
R008994R	Meritor	E-8994-R
R008995L	Meritor	E-8995-L
R008995R	Meritor	E-8995-R
R008996L	Meritor	E-8996-L
R008996R	Meritor	E-8996-R
R008997	Meritor	E-8997
R009000L	Meritor	E-9000-L
R009000R	Meritor	E-9000-R
R009001L	Meritor	E-9001-L
R009001R	Meritor	E-9001-R
R009002L	Meritor	E-9002-L
R009002R	Meritor	E-9002-R
R009003L	Meritor	E-9003-L
R009003R	Meritor	E-9003-R

PART NO.	COMPETITOR	EUCLID NO.
R009004L	Meritor	E-9004-L
R009004R	Meritor	E-9004-R
R009005L	Meritor	E-9005-L
R009005R	Meritor	E-9005-R
R009008L	Meritor	E-9008-L
R009008R	Meritor	E-9008-R
R009009	Meritor	E-9009
R009010L	Meritor	E-9010-L
R009010R	Meritor	E-9010-R
R009011L	Meritor	E-9011-L
R009011R	Meritor	E-9011-R
R009012L	Meritor	E-9012-L
R009012R	Meritor	E-9012-R
R009020	Meritor	E-9020
R009021	Meritor	E-9021
R009022R	Meritor	E-9022-R
R009023	Meritor	E-9023
R009024	Meritor	E-9024
R009115	Meritor	E-9115
R009261	Meritor	E-9261
R009262	Meritor	E-9262
R009319	Meritor	E-9319
R009320	Meritor	E-9320
R009524L	Meritor	E-9524-L
R009524R	Meritor	E-9524-R
R009525L	Meritor	E-9525-L
R009525R	Meritor	E-9525-R
R009526	Meritor	E-9526
R009592	Meritor	E-9592
R009602	Meritor	E-9602
R1308E	Meritor	E-5126
R301107	Meritor	E-1107
R301307	Meritor	E-1307
R301828	Meritor	E-1828
R301835	Meritor	E-1835
R302002	Meritor	E-2002
R302644	Meritor	E-2644
R303975	Meritor	E-3975
R30700	Meritor	E-700
R30702A	Meritor	E-702A
R307450	Meritor	E-7450
R307451	Meritor	E-7451
R308927	Meritor	E-8927
R30937	Meritor	E-937
R309575	Meritor	E-9575
R4023969	Meritor	E-1495
R4049624	Meritor	E-1493
R40FC004395	Meritor	E-2726

PART NO.	COMPETITOR	EUCLID NO.
R40H1456	Meritor	E-4078
R4515	Meritor	E-2778
R4709G2	Meritor	E-10272
R507000	Meritor	E-2126
R507003	Meritor	E-2820
R507005	Meritor	E-2286
R507011	Meritor	E-2121
R507012	Meritor	E-2121HD
R507013	Meritor	KIT-5
R507014	Meritor	E-2030HD
R507017	Meritor	E-14539
R507061	Meritor	E-8923
R507062	Meritor	E-8925
R507067	Meritor	E-1812
R507068	Meritor	E-2403HD
R507069	Meritor	E-2676
R507070	Meritor	E-2713
R507071	Meritor	E-2740
R507072	Meritor	E-2821
R507073	Meritor	E-3291
R507074	Meritor	E-3373HD
R507075	Meritor	E-3374HD
R507076	Meritor	E-3782
R507077	Meritor	E-3801
R507078	Meritor	E-5306
R507079	Meritor	E-5499
R507080	Meritor	E-7231
R507081	Meritor	E-7237
R507082	Meritor	E-7238
R507083	Meritor	E-9039
R507084	Meritor	E-9048
R507085	Meritor	E-9052
R507086	Meritor	E-9141
R507087	Meritor	E-9142
R507088	Meritor	E-9281
R507090	Meritor	E-9283
R507092	Meritor	E-10756
R507093	Meritor	E-10757
R507094	Meritor	E-10760
R507095	Meritor	E-10875
R517002	Meritor	E-1582
R517003	Meritor	E-2395
R517005	Meritor	E-1406
R517506	Meritor	E-2396
R517509	Meritor	E-596A
R517510	Meritor	E-10239
R527001	Meritor	E-1581
R527002	Meritor	E-3227

CROSS REFERENCE

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PART NO.	COMPETITOR	EUCLID NO.
R537001	Meritor	E-2390
R537003	Meritor	E-1403
R537006	Meritor	E-2029
R547003	Meritor	E-2391
R547004	Meritor	E-2392
R547007	Meritor	E-1808
R547008	Meritor	E-1893S
R547011	Meritor	E-5305
R547028	Meritor	E-9061
R557001	Meritor	E-2389
R567001	Meritor	E-2785
R567002	Meritor	E-1583
R567003	Meritor	E-1400
R567004	Meritor	E-1402
R567005	Meritor	E-2398
R567006	Meritor	E-1428A
R567009	Meritor	E-5123
R567011	Meritor	E-1025
R567012	Meritor	E-9037
R567014	Meritor	E-979
R567015	Meritor	E-2770
R567017	Meritor	E-2475
R567024	Meritor	E-544
R567501	Meritor	E-5122
R567502	Meritor	E-1418
R567503	Meritor	E-10197
R567505	Meritor	E-10198
R567507	Meritor	E-10761
R577001	Meritor	E-2399
R607039	Meritor	E-4712
R607040	Meritor	E-4713
R607063	Meritor	E-688A
R607064	Meritor	E-689A
R607067	Meritor	E-2452A
R607068	Meritor	E-2451A
R607069	Meritor	E-2450A
R607070	Meritor	E-2449A
R607071	Meritor	E-1773C
R607072	Meritor	E-1774C
R607074	Meritor	E-4709B
R607077	Meritor	E-2700B
R607078	Meritor	E-2701B
R607079	Meritor	E-9690A
R607080	Meritor	E-9689A
R607083	Meritor	E-2412A
R607084	Meritor	E-2413A
R607085	Meritor	E-9688A
R607086	Meritor	E-9687A

PART NO.	COMPETITOR	EUCLID NO.
R607088	Meritor	E-9691A
R607089	Meritor	E-4710B
R607090	Meritor	E-4711B
R607091	Meritor	E-2478B
R607092	Meritor	E-2479B
R607095	Meritor	E-4706B
R607096	Meritor	E-4707B
R607127	Meritor	E-5058
R607128	Meritor	E-5059
R607183	Meritor	E-5526
R607184	Meritor	E-5527
R607263	Meritor	E-4890
R607264	Meritor	E-4891
R615000	Meritor	E-2494
R615001	Meritor	E-2526
R615002	Meritor	E-2125
R615003	Meritor	E-2089
R615004	Meritor	E-2696A
R615005	Meritor	E-2090
R615006	Meritor	E-2122
R615007	Meritor	E-2680
R615008	Meritor	E-2287
R615009	Meritor	E-2087
R615010	Meritor	E-2469
R615011	Meritor	E-3353A
R615012	Meritor	E-3354
R615013	Meritor	E-5140
R615014	Meritor	E-5307
R615015	Meritor	E-5501
R615016	Meritor	E-7235
R615018	Meritor	E-9053
R615019	Meritor	E-9790A
R615020	Meritor	E-9791
R615022	Meritor	E-9791HD
R615023	Meritor	E-11450
R615025	Meritor	E-11897
R615026	Meritor	E-11981
R617001	Meritor	E-661
R617002	Meritor	E-2102
R617003	Meritor	E-759
R617005	Meritor	E-2690A
R617006	Meritor	E-2695
R617007	Meritor	E-1571
R617008	Meritor	E-2517
R617009	Meritor	E-1577A
R617015	Meritor	E-9792A
R627002	Meritor	E-1565
R627005	Meritor	E-1782

PART NO.	COMPETITOR	EUCLID NO.
R627006	Meritor	E-1781
R627008	Meritor	E-1416A
R627009	Meritor	E-1385
R627012	Meritor	E-3234
R627014	Meritor	E-910
R627015	Meritor	E-2405
R627018	Meritor	E-1416
R627022	Meritor	E-602
R627024	Meritor	E-2404
R627025	Meritor	E-2409
R627026	Meritor	E-2717
R627027	Meritor	E-2720
R627028	Meritor	E-2733
R627029	Meritor	E-5127
R627030	Meritor	E-5128
R627031	Meritor	E-5137
R627032	Meritor	E-5138
R627033	Meritor	E-5482
R627034	Meritor	E-9789
R627043	Meritor	E-10800
R627044	Meritor	E-10801
R627048	Meritor	E-1271
R630002	Meritor	E-2103
R630003	Meritor	E-2104
R630005	Meritor	E-2365
R630006	Meritor	E-4586
R630007	Meritor	E-4587
R630008	Meritor	E-4593
R630009	Meritor	E-4594
R630014	Meritor	E-4738A
R630017	Meritor	E-3781
R645008	Meritor	E-957
R657001	Meritor	E-807
R657003	Meritor	E-1567
R657005	Meritor	E-667
R670001	Meritor	E-1214
R670002	Meritor	E-1215
R670003	Meritor	E-1216
R670005	Meritor	E-1218
R670006	Meritor	E-1230
R670011	Meritor	E-2153
R670013	Meritor	E-2155
R670014	Meritor	E-2156
R670019	Meritor	E-2162
R670020	Meritor	E-2163
R670021	Meritor	E-2281
R670022	Meritor	E-2282
R670023	Meritor	E-2552

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
R670024	Meritor	E-2745
R700004	Meritor	E-1580
R700005	Meritor	E-2393
R700008	Meritor	E-2474
R700009	Meritor	E-2801
R700011	Meritor	E-5303A
R700016	Meritor	E-9026
R700023	Meritor	E-9509
R700024	Meritor	E-10270
R700025	Meritor	E-10271
R700026	Meritor	E-10273
R700027	Meritor	E-10762
R700028	Meritor	E-10763
R700029	Meritor	E-10876
R700030	Meritor	E-10877
R700031	Meritor	E-10878
R704591	Meritor	E-2394
R801001	Meritor	E-11395
R801002	Meritor	E-11396
R801003	Meritor	E-11397
R801041	Meritor	E-11398
R801042	Meritor	E-11399
R801072	Meritor	E-11400
R801073	Meritor	E-11401
R801074	Meritor	E-11402
R801079	Meritor	E-11404
R801101	Meritor	E-11405
R801102	Meritor	E-11406
R801700	Meritor	E-11432
R802070	Meritor	E-11407
R802071	Meritor	E-11408
R802316	Meritor	E-11409
R802317	Meritor	E-11410
R802354	Meritor	E-11930
R802355	Meritor	E-11931
R802444	Meritor	E-11415
R802445	Meritor	E-11416
R802446	Meritor	E-11417
R802447	Meritor	E-11418
R802462	Meritor	E-11419
R802463	Meritor	E-11420
R802486	Meritor	E-11421
R802487	Meritor	E-11422
R802512	Meritor	E-11403
R802513	Meritor	E-11902
R803051	Meritor	E-11419A
R803109	Meritor	E-11400A
R810012	Meritor	E11431

PART NO.	COMPETITOR	EUCLID NO.
R810018	Meritor	E-11428A
R810019	Meritor	E-11430A
R810021	Meritor	E-11900
R810023	Meritor	E-11901
R810024	Meritor	E-11427A
R810025	Meritor	E-11429A
R810327	Meritor	E-427K
R823003	Meritor	E-2459HD
R823008	Meritor	E-1574HD
R824003	Meritor	E-2458S
R824009	Meritor	E-4904S
R825009	Meritor	E-9105
R825020	Meritor	E-9102
R870016	Meritor	E-16S
R870020	Meritor	E-20S
R870030	Meritor	E-30S
R870030S	Meritor	E-BC30S
R8711989	Meritor	E-11989
R8711990	Meritor	E-11990
R873030P-L	Meritor	E-BC3030P-L
RV 3109S	Meritor	10-9S
S 266D	Meritor	E-579A
S 843	Meritor	E-773
X48 3276L 12	Meritor	E-1216SB300R
3230008	MGM Brakes	ELPP3030K
1009023	MGM Brakes	E-09SD300R
2212252	MGM Brakes	E-1216SB300R
1412001	MGM Brakes	E-12S
1012001	MGM Brakes	E-12SD300R
1012118	MGM Brakes	E-12SD300R
1416001	MGM Brakes	E-16S
1420001	MGM Brakes	E-20S
781A	MGM Brakes	E-2144
781P	MGM Brakes	E-2144
1427001	MGM Brakes	E-24S
1427001	MGM Brakes	E-24S-L
1430001	MGM Brakes	E-30S
1436001	MGM Brakes	E-36S
8017109	MGM Brakes	E-8888
8017112	MGM Brakes	E-8889
236665	MGM Brakes	E-8890
8017116	MGM Brakes	E-8890
8017516	MGM Brakes	E-8890
236666	MGM Brakes	E-8891
8017120	MGM Brakes	E-8891
8017520	MGM Brakes	E-8891
8017241	MGM Brakes	E-8892
236667	MGM Brakes	E-8893

PART NO.	COMPETITOR	EUCLID NO.
8017141	MGM Brakes	E-8893
8017424	MGM Brakes	E-8893
236668	MGM Brakes	E-8894
8017130	MGM Brakes	E-8894
8017530	MGM Brakes	E-8894
8017136	MGM Brakes	E-8895
8292003	MGM Brakes	E-8896
8292001	MGM Brakes	E-8897
8292002	MGM Brakes	E-8898
8292007	MGM Brakes	E-8899
3120051	MGM Brakes	E-GC2024
3121051	MGM Brakes	E-GC2024
3427051	MGM Brakes	E-GC2424
3127051	MGM Brakes	E-GC2424L
3128051	MGM Brakes	E-GC2424L
3429051	MGM Brakes	E-GC2430
3027051	MGM Brakes	E-GC2430L
3129051	MGM Brakes	E-GC2430L
3136051	MGM Brakes	E-GC2430L
3428051	MGM Brakes	E-GC2430L
3429051	MGM Brakes	E-GC2430L
3528051	MGM Brakes	E-GC2430L
3130051	MGM Brakes	E-GC3030
3131051	MGM Brakes	E-GC3030
3429001	MGM Brakes	E-GC3030
3430051	MGM Brakes	E-GC3030
3431051	MGM Brakes	E-GC3030
3531051	MGM Brakes	E-GC3030
5007132	MGM Brakes	E-GC3030
3230051	MGM Brakes	E-GC3030L
5010414	MGM Brakes	E-GC3030L
5010435	MGM Brakes	E-GC3030L
3432051	MGM Brakes	E-GC3036
3433051	MGM Brakes	E-GC3036
3532051	MGM Brakes	E-GC3036
3436051	MGM Brakes	E-GC3636
3437051	MGM Brakes	E-GC3636
3536051	MGM Brakes	E-GC3636
3120001	MGM Brakes	E-GP2024
3121001	MGM Brakes	E-GP2024
3127001	MGM Brakes	E-GP2424L
3128001	MGM Brakes	E-GP2424L
3027001	MGM Brakes	E-GP2430L
3129001	MGM Brakes	E-GP2430L
3136001	MGM Brakes	E-GP2430L
3428001	MGM Brakes	E-GP2430L
3528001	MGM Brakes	E-GP2430L
3130001	MGM Brakes	E-GP3030

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
3131001	MGM Brakes	E-GP3030
3430001	MGM Brakes	E-GP3030
3430001X	MGM Brakes	E-GP3030
3431001	MGM Brakes	E-GP3030
3531001	MGM Brakes	E-GP3030
3430008	MGM Brakes	E-GP3030K
3436001	MGM Brakes	E-GP3636
3437001	MGM Brakes	E-GP3636
3536001	MGM Brakes	E-GP3636
1416001	MGM Brakes	E-BC16S
1420001	MGM Brakes	E-BC20S
1430001	MGM Brakes	E-BC30S
91156	Motor Wheel	E-10209-L
91155	Motor Wheel	E-10209-R
91161	Motor Wheel	E-10215
91159	Motor Wheel	E-10216
91165	Motor Wheel	E-10219
91163	Motor Wheel	E-10220
ST-69	Motor Wheel	E-4955
82700	Motor Wheel	E-4961A
81124	Motor Wheel	E-4976-R
87133	Motor Wheel	E-5018
86897	Motor Wheel	E-5032
83028	Motor Wheel	E-5632
84524	Motor Wheel	E-5652-L
84523	Motor Wheel	E-5652-R
08434	Motor Wheel	E-5708
6605	Motor Wheel	E-5708
07652	Motor Wheel	E-5710
07669	Motor Wheel	E-5711
86478	Motor Wheel	E-5872
CL-1008	Motor Wheel	E-5885
84528	Motor Wheel	E-5977-L
84527	Motor Wheel	E-5977-R
88109	Motor Wheel	E-5986-L
88108	Motor Wheel	E-5986-R
86798	Motor Wheel	E-5987-L
86797	Motor Wheel	E-5987-R
88881	Motor Wheel	E-5991
88836	Motor Wheel	E-5992A
88799	Motor Wheel	E-5993
88808	Motor Wheel	E-5994
89774	Motor Wheel	E-6001A
89983	Motor Wheel	E-6029A
84526	Motor Wheel	E-7895-L
84525	Motor Wheel	E-7895-R
81323	Motor Wheel	E-7897-L
90442	Motor Wheel	E-8952-L

PART NO.	COMPETITOR	EUCLID NO.
90441	Motor Wheel	E-8952-R
82096	Motor Wheel	E-8992-L
82095	Motor Wheel	E-8992-R
82843	Motor Wheel	E-8993-L
82842	Motor Wheel	E-8993-R
82018	Motor Wheel	E-8994-L
82017	Motor Wheel	E-8994-R
87143	Motor Wheel	E-8995-L
87142	Motor Wheel	E-8995-R
88292	Motor Wheel	E-8996-L
88291	Motor Wheel	E-8996-R
89620	Motor Wheel	E-8997
66741	Napa	KIT-1
66734	Napa	KIT-4S
67546	Napa	KIT-4S
641-2544	Napa	E-10226-L
641-2543	Napa	E-10226-R
65360	Napa	E-1025
67038	Napa	E-1046
65365	Napa	E-1094
65364	Napa	E-1095
66544	Napa	E-1106
66547	Napa	E-1107
66561	Napa	E-1108
65369	Napa	E-1112A
65373	Napa	E-1113
65391	Napa	E-1128
65397	Napa	E-1136
65398	Napa	E-1137
4602-ROC	Napa	E-1139
65385	Napa	E-1140
65321	Napa	E-1147C
65322	Napa	E-1148C
65323	Napa	E-1214
65409	Napa	E-1215
65400	Napa	E-1216
65401	Napa	E-1217
65399	Napa	E-1218
65412	Napa	E-1230
65396	Napa	E-1261
65302	Napa	E-1269
67443	Napa	E-1271
66875	Napa	E-1289
66887	Napa	E-1302
66632	Napa	E-1304
66633	Napa	E-1305
66549	Napa	E-1318A
67368	Napa	E-1337

PART NO.	COMPETITOR	EUCLID NO.
66739	Napa	E-1357A
67361	Napa	E-1385
66634	Napa	E-1402
67475	Napa	E-1406
66553	Napa	E-1410
66554	Napa	E-1411
67477	Napa	E-1416
65383	Napa	E-1416A
65320	Napa	E-1418
65432	Napa	E-1418
65332	Napa	E-1424A
65333	Napa	E-1425A
66680	Napa	E-1486
66744	Napa	E-1496
65370	Napa	E-1563
65371	Napa	E-1564
65377	Napa	E-1565
65378	Napa	E-1567
65379	Napa	E-1569
65380	Napa	E-1571
66645	Napa	E-1577A
67448	Napa	E-1581
67447	Napa	E-1582
67446	Napa	E-1583
66736	Napa	E-1607HD
66828	Napa	E-1773C
66827	Napa	E-1774C
67459	Napa	E-1781
67460	Napa	E-1782
66555	Napa	E-1788
66556	Napa	E-1789
66735	Napa	E-1816S
65449	Napa	E-1880B
66733	Napa	E-1887ASHD
67550	Napa	E-1887ASHD
65372	Napa	E-1893
67444	Napa	E-1893
65473	Napa	E-2015
66545	Napa	E-2029
66874	Napa	E-2030HD
66737	Napa	E-2086B
67562	Napa	E-2087
66738	Napa	E-2088A
66738	Napa	E-2088AHD
67559	Napa	E-2089
67324	Napa	E-2090
67046	Napa	E-2099
67047	Napa	E-2100

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PART NO.	COMPETITOR	EUCLID NO.
65476	Napa	E-2102
66732	Napa	E-2121
66740	Napa	E-2122
67325	Napa	E-2123
67560	Napa	E-2125
66977	Napa	E-2136
66978	Napa	E-2137
66975	Napa	E-2141
65404	Napa	E-2153
66973	Napa	E-2155
66974	Napa	E-2156
65410	Napa	E-2162
65414	Napa	E-2163
67445	Napa	E-2177
66980	Napa	E-2192
67451	Napa	E-2217A
65306	Napa	E-2218
66749	Napa	E-2281
67551	Napa	E-2287
66646	Napa	E-2361
67442	Napa	E-2361
67538	Napa	E-2382
66683	Napa	E-2390
66868	Napa	E-2390
66869	Napa	E-2391
66870	Napa	E-2392
66871	Napa	E-2395
65353	Napa	E-2396
66639	Napa	E-2399
66867	Napa	E-2402HD
66982	Napa	E-2405
67363	Napa	E-2405
66859	Napa	E-2409
67532	Napa	E-2441B
67531	Napa	E-2442B
67370	Napa	E-2443B
67371	Napa	E-2444B
67372	Napa	E-2445B
67373	Napa	E-2446B
66876	Napa	E-2478B
66877	Napa	E-2479B
65390	Napa	E-2484
67563	Napa	E-2494
67358	Napa	E-2517
65417	Napa	E-2522
67464	Napa	E-2551
66831	Napa	E-2670
67565	Napa	E-2680

PART NO.	COMPETITOR	EUCLID NO.
67364	Napa	E-2690A
67362	Napa	E-2695
67354	Napa	E-2696A
67554	Napa	E-2713
66891	Napa	E-2717
66892	Napa	E-2720
66895	Napa	E-2724
66896	Napa	E-2725
66899	Napa	E-2733
67453	Napa	E-2733
67552	Napa	E-2740
E-2764	Napa	E-2764
66866	Napa	E-2766S
66863	Napa	E-2767
66864	Napa	E-2768
66861	Napa	E-2769S
67548	Napa	E-2769S
67456	Napa	E-2770
65376	Napa	E-3227
67470	Napa	E-3228
67457	Napa	E-3234
67556	Napa	E-3291
67553	Napa	E-3353A
67555	Napa	E-3354
67455	Napa	E-3421A
67462	Napa	E-3473
67465	Napa	E-3481A
67467	Napa	E-3482
67466	Napa	E-3483
67567	Napa	E-3484
67557	Napa	E-3710S
67970	Napa	E-3710SHD
67471	Napa	E-3711
66681	Napa	E-3994
65388	Napa	E-3995
65307	Napa	E-502
65308	Napa	E-502
65423	Napa	E-5093
65328	Napa	E-512
65326	Napa	E-523
65318	Napa	E-526
65311	Napa	E-527
67489	Napa	E-5304
65330	Napa	E-535
65329	Napa	E-536
65303	Napa	E-537
65424	Napa	E-537
65305	Napa	E-538

PART NO.	COMPETITOR	EUCLID NO.
65327	Napa	E-539
65309	Napa	E-543
65310	Napa	E-545A
65337	Napa	E-545A
65387	Napa	E-5531
66979	Napa	E-5540
65387	Napa	E-5541
641-2263	Napa	E-5571A
641-2631	Napa	E-5571A
65304	Napa	E-563
641-2572	Napa	E-5632
65313	Napa	E-564
641-2701	Napa	E-5717-L
641-2700	Napa	E-5717-R
65331	Napa	E-579A
65339	Napa	E-580
65338	Napa	E-581
641-2630	Napa	E-5823
65470	Napa	E-586
641-2330	Napa	E-5869-R
641-2365	Napa	E-5930-L
65430	Napa	E-595
65431	Napa	E-596A
65367	Napa	E-602
66552	Napa	E-603
65344	Napa	E-609
65352	Napa	E-654
65340	Napa	E-656
65441	Napa	E-667
65341	Napa	E-684
65342	Napa	E-685
65437	Napa	E-712
65438	Napa	E-714
65374	Napa	E-719
65375	Napa	E-719
66983	Napa	E-7212A
66747	Napa	E-7213A
66746	Napa	E-7214A
65351	Napa	E-747
65444	Napa	E-757
67463	Napa	E-759
65325	Napa	E-773
65358	Napa	E-801
65359	Napa	E-807
65452	Napa	E-910
65448	Napa	E-919
65366	Napa	E-920
65368	Napa	E-943

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**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
65363	Napa	E-957
0027236	National	E-3469
27236	National	E-3469
IT16.3A	Navistar	KIT-4SHD
584071C1	Navistar	E-10201-L
1659065C1	Navistar	E-10206-L
1659066C1	Navistar	E-10206-R
43241Z5025	Navistar	E-10254-R
IT15.527	Navistar	E-1112A
IT35.1580	Navistar	E-1113
258009C2	Navistar	E-1128
329665C1	Navistar	E-1136
239664C1	Navistar	E-1137
266303C1	Navistar	E-1140
491688C1	Navistar	E-1140
109520-R1	Navistar	E-1147C
109520R1	Navistar	E-1147C
207184R1	Navistar	E-1147C
207185R1	Navistar	E-1147C
109519-R1	Navistar	E-1148C
109519R1	Navistar	E-1148C
207184R1	Navistar	E-1148C
340210C91	Navistar	E-1261
268439C1	Navistar	E-1262
IT35.1582	Navistar	E-1269
56106R1	Navistar	E-1269
IT28.1253	Navistar	E-1271
IT29.1267	Navistar	E-1272
IT27.1208	Navistar	E-1314
20966R1	Navistar	E-1314
IT30.1358	Navistar	E-1318A
IT43.7036	Navistar	E-1357A
IT19.859	Navistar	E-1418
385960C1	Navistar	E-1418
974401R1	Navistar	E-1425A
56106R1	Navistar	E-1426
142919R3	Navistar	E-1428A
472976C1	Navistar	E-1428A
264621C1	Navistar	E-1458
IT29.1322	Navistar	E-1565
IT28.1237	Navistar	E-1567
IT29.1302	Navistar	E-1569
IT27.1198	Navistar	E-1571
IT27.1194	Navistar	E-1577A
IT34.1531	Navistar	E-1581
IT32.1430	Navistar	E-1582
IT19.863	Navistar	E-1583
IT19.2A	Navistar	E-1607HD

PART NO.	COMPETITOR	EUCLID NO.
212085R1	Navistar	E-1773C
590173C91	Navistar	E-1773C
212086R1	Navistar	E-1774C
59174C91	Navistar	E-1774C
385958C1	Navistar	E-1775
585958C1	Navistar	E-1775
385957C1	Navistar	E-1776
67678R1	Navistar	E-1781
97999R1	Navistar	E-1782
IT14A	Navistar	E-1816SHD
IT19.853	Navistar	E-1880B
62322R1	Navistar	E-1880B
IT43.7034	Navistar	E-2086B
IT43.7039	Navistar	E-2090
IT19.857	Navistar	E-2101
IT43.7038	Navistar	E-2122
330855C1	Navistar	E-2134
330856C1	Navistar	E-2135
327188C1	Navistar	E-2136
327187C1	Navistar	E-2137
361716C91	Navistar	E-2141
IT32.1428	Navistar	E-2177
142917R1	Navistar	E-2217A
56098R1	Navistar	E-2218
IT43.7032	Navistar	E-2287
478888C91	Navistar	E-2290
IT28.1255	Navistar	E-2291
141132H	Navistar	E-2296
141131H	Navistar	E-2298
IT2307	Navistar	E-2307
138776R1	Navistar	E-2340
IT27.1197	Navistar	E-2361
IT43.7044	Navistar	E-2363
IT30.1357	Navistar	E-2365
IT28.1252	Navistar	E-2380
IT43.7037	Navistar	E-2382
IT35.1581	Navistar	E-2391
IT29.1326	Navistar	E-2409
115135H	Navistar	E-2431
218208R1	Navistar	E-2433
297331C1	Navistar	E-2435
56152R2	Navistar	E-2435
982553R1	Navistar	E-2436
974577R1	Navistar	E-2438
67675R92	Navistar	E-2460
67678R1	Navistar	E-2462
17903HA	Navistar	E-2465
IT43.7033	Navistar	E-2469

PART NO.	COMPETITOR	EUCLID NO.
462424C1	Navistar	E-2475
295610C1	Navistar	E-2476
IT28.1243	Navistar	E-2670
IT2029	Navistar	E-2693
IT2030	Navistar	E-2694
IT27.1196	Navistar	E-2695
966153R1	Navistar	E-2700B
966152R1	Navistar	E-2701B
430394C1	Navistar	E-2714A
430395C1	Navistar	E-2715A
IT15.542	Navistar	E-2766S
IT19.860	Navistar	E-2767
IT19.856	Navistar	E-2768
492283C1	Navistar	E-2768
IT30A	Navistar	E-2769SHD
IT19.875	Navistar	E-2785
431567C1	Navistar	E-2786
431566C1	Navistar	E-2787
474497C9	Navistar	E-2804
474498C1	Navistar	E-2805
IT34.1532	Navistar	E-3007A
IT34.1530	Navistar	E-3227
139856R1	Navistar	E-3421A
482438C1	Navistar	E-3424
13611VA	Navistar	E-3427
487473C1	Navistar	E-3437
228884R1	Navistar	E-3472
110542R2	Navistar	E-3477
487480C91	Navistar	E-3492
487479C1	Navistar	E-3499
493186C1	Navistar	E-3513
501788C1	Navistar	E-3523
501789C1	Navistar	E-3524
417488C1	Navistar	E-3859
327185C91	Navistar	E-3995
153156R1	Navistar	E-4702B
150544R1	Navistar	E-4707B
153157R1	Navistar	E-4708B
259726C1	Navistar	E-4708B
265162C1	Navistar	E-4711B
IT31.1405	Navistar	E-4739
109112R1	Navistar	E-4740
109113R1	Navistar	E-4741
50325R1	Navistar	E-4855
36415HB	Navistar	E-4857
50764-V	Navistar	E-4868
470421C1	Navistar	E-4871
470422C1	Navistar	E-4877

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PART NO.	COMPETITOR	EUCLID NO.
36416HB	Navistar	E-4881
462421C1	Navistar	E-4886
462422C1	Navistar	E-4887
506673C1	Navistar	E-4888
506674C1	Navistar	E-4889
IT2025	Navistar	E-4890
IT2026	Navistar	E-4891
IT31.1430	Navistar	E-4934A
55585H	Navistar	E-4960
69327R2	Navistar	E-4988-L
69328R2	Navistar	E-4988-R
56103R1	Navistar	E-501
75887H	Navistar	E-5012
474546C1	Navistar	E-502
56104R1	Navistar	E-502
126403R1	Navistar	E-512
141063R1	Navistar	E-512
472958C1	Navistar	E-512
126404R1	Navistar	E-523
IT29.1301	Navistar	E-526
69339R1	Navistar	E-526
88119R1	Navistar	E-526
138808R2	Navistar	E-527
IT27.1200	Navistar	E-535
56119R98	Navistar	E-535
IT28.1233	Navistar	E-536
122407R1	Navistar	E-536
1691529C1	Navistar	E-536
IT35.1576	Navistar	E-537
56106R1	Navistar	E-537
56108R1	Navistar	E-538
IT34.1529	Navistar	E-539
126402R1	Navistar	E-539
870813R1	Navistar	E-540
56109R1	Navistar	E-543
62333R1	Navistar	E-544
62322R1	Navistar	E-545A
258024C1	Navistar	E-5531
264630C91	Navistar	E-5532
303844C1	Navistar	E-5537
303845C1	Navistar	E-5538
258024C1	Navistar	E-5541
22423V	Navistar	E-5556-L
22422V	Navistar	E-5556-R
92134H	Navistar	E-5570
54493R2	Navistar	E-5571A
IT35.1577	Navistar	E-563
56107R1	Navistar	E-563

PART NO.	COMPETITOR	EUCLID NO.
IT29.1309	Navistar	E-564
84712H	Navistar	E-5652-L
84711H	Navistar	E-5652-R
974272R1	Navistar	E-5737
972423R1	Navistar	E-5740
141316H	Navistar	E-5743
56105R1	Navistar	E-579A
185843R1	Navistar	E-580
56116R1	Navistar	E-580
119345H	Navistar	E-5800
IT29.1308	Navistar	E-581
56115R1	Navistar	E-581
IT32.1441	Navistar	E-595
142917R1	Navistar	E-595
72342R1	Navistar	E-5952
61142H	Navistar	E-5955
132896H1	Navistar	E-5957
54700R1	Navistar	E-5960
142918R1	Navistar	E-596A
83156H	Navistar	E-5977-L
83155H	Navistar	E-5977-R
IT28.1258	Navistar	E-602
IT30.1362	Navistar	E-603
69340R1	Navistar	E-603
452010C1	Navistar	E-6054
451941C1	Navistar	E-6138
157501-R1	Navistar	E-6140
581694C1	Navistar	E-6141
IT29.1270	Navistar	E-654
352680C91	Navistar	E-654
56121R2	Navistar	E-654
56121R3	Navistar	E-654
IT28.1257	Navistar	E-661
95373R2	Navistar	E-662
IT28.1234	Navistar	E-667
56110R1	Navistar	E-686
56111R1	Navistar	E-687
1694310C91	Navistar	E-6924B
1694312C91	Navistar	E-6924B
1694313C91	Navistar	E-6924B
1694318C91	Navistar	E-6924B
1694319C91	Navistar	E-6924B
1697569C91	Navistar	E-6944
983622R1	Navistar	E-747
IT28.1232	Navistar	E-759
41420V	Navistar	E-7895-L
41419V	Navistar	E-7895-R
IT34.1525	Navistar	E-801

PART NO.	COMPETITOR	EUCLID NO.
3212934R	Navistar	E-801
IT28.1231	Navistar	E-807
IT33.1476	Navistar	E-886
IT33.1476A	Navistar	E-886
576711C1	Navistar	E-8955-L
576712C1	Navistar	E-8955-R
292963C1	Navistar	E-8972-L
593096C1	Navistar	E-8972-L
292964C1	Navistar	E-8972-R
593097C1	Navistar	E-8972-R
597992C1	Navistar	E-8979-L
597991C1	Navistar	E-8979-R
1652875C1	Navistar	E-8987
549809C1	Navistar	E-9000-L
549810C1	Navistar	E-9000-R
1660579C1	Navistar	E-9009
1649492C1	Navistar	E-9020
IT16.561	Navistar	E-920
966197R1	Navistar	E-920
IT28.1235K	Navistar	E-943
588993C91	Navistar	E-9661
588992C91	Navistar	E-9662
590666	Navistar	E-9701
590665	Navistar	E-9702
NL1608	New Life/ Fleetcraft	KIT-4S
NL1618	New Life/ Fleetcraft	KIT-4SHD
NL1070	New Life/ Fleetcraft	E-1025
NL1966	New Life/ Fleetcraft	E-10909
NL1967	New Life/ Fleetcraft	E-10910
NL1327	New Life/ Fleetcraft	E-1094
NL1326	New Life/ Fleetcraft	E-1095
NL1002	New Life/ Fleetcraft	E-1112A
NL1250	New Life/ Fleetcraft	E-1113
NL1301	New Life/ Fleetcraft	E-1147C
NL1300	New Life/ Fleetcraft	E-1148C
NL1232	New Life/ Fleetcraft	E-1269
NL1151	New Life/ Fleetcraft	E-1271

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
NL1149	New Life/ Fleetcraft	E-1272
NL1109	New Life/ Fleetcraft	E-1314
NL1179	New Life/ Fleetcraft	E-1318A
NL1221	New Life/ Fleetcraft	E-1357A
NL1147	New Life/ Fleetcraft	E-1385
NL1090	New Life/ Fleetcraft	E-1400
NL1349	New Life/ Fleetcraft	E-1410
NL1348	New Life/ Fleetcraft	E-1411
NL1235	New Life/ Fleetcraft	E-1416A
NL1085	New Life/ Fleetcraft	E-1418
NL1352	New Life/ Fleetcraft	E-1422
NL1353	New Life/ Fleetcraft	E-1423
NL1319	New Life/ Fleetcraft	E-1424A
NL1318	New Life/ Fleetcraft	E-1425A
NL1089	New Life/ Fleetcraft	E-1428A
NL1334	New Life/ Fleetcraft	E-1563
NL1335	New Life/ Fleetcraft	E-1564
NL1256	New Life/ Fleetcraft	E-1565
NL1141	New Life/ Fleetcraft	E-1567
NL1210	New Life/ Fleetcraft	E-1569
NL1144	New Life/ Fleetcraft	E-1571
NL1137	New Life/ Fleetcraft	E-1577A
NL1566	New Life/ Fleetcraft	E-1597A
NL1299	New Life/ Fleetcraft	E-1773C
NL1298	New Life/ Fleetcraft	E-1774C
NL1341	New Life/ Fleetcraft	E-1775
NL1340	New Life/ Fleetcraft	E-1776

PART NO.	COMPETITOR	EUCLID NO.
NL1261	New Life/ Fleetcraft	E-1781
NL1262	New Life/ Fleetcraft	E-1782
NL1295	New Life/ Fleetcraft	E-1788
NL1294	New Life/ Fleetcraft	E-1789
NL1610	New Life/ Fleetcraft	E-1816S
NL1079	New Life/ Fleetcraft	E-1880B
NL1616	New Life/ Fleetcraft	E-1887ASHD
NL1110	New Life/ Fleetcraft	E-1893
NL1009	New Life/ Fleetcraft	E-2029
NL1225	New Life/ Fleetcraft	E-2086B
NL1241	New Life/ Fleetcraft	E-2087
NL1222	New Life/ Fleetcraft	E-2088A
NL1228	New Life/ Fleetcraft	E-2090
NL1270	New Life/ Fleetcraft	E-2091
NL1337	New Life/ Fleetcraft	E-2099
NL1336	New Life/ Fleetcraft	E-2100
NL1138	New Life/ Fleetcraft	E-2102
NL1174	New Life/ Fleetcraft	E-2104
NL1612	New Life/ Fleetcraft	E-2121
NL1229	New Life/ Fleetcraft	E-2122
NL1236	New Life/ Fleetcraft	E-2122
NL1226	New Life/ Fleetcraft	E-2123
NL1227	New Life/ Fleetcraft	E-2125
NL1050	New Life/ Fleetcraft	E-2177
NL1052	New Life/ Fleetcraft	E-2177
NL1027	New Life/ Fleetcraft	E-2217A
NL1237	New Life/ Fleetcraft	E-2287

PART NO.	COMPETITOR	EUCLID NO.
NL1238	New Life/ Fleetcraft	E-2287
NL1148	New Life/ Fleetcraft	E-2291
NL1108	New Life/ Fleetcraft	E-2361
NL1133	New Life/ Fleetcraft	E-2361
NL1223	New Life/ Fleetcraft	E-2363
NL1150	New Life/ Fleetcraft	E-2380
NL1224	New Life/ Fleetcraft	E-2382
NL1254	New Life/ Fleetcraft	E-2391
NL1042	New Life/ Fleetcraft	E-2396
NL1271	New Life/ Fleetcraft	E-2399
NL1253	New Life/ Fleetcraft	E-2404
NL1253	New Life/ Fleetcraft	E-2405
NL1156	New Life/ Fleetcraft	E-2406
NL1155	New Life/ Fleetcraft	E-2407
NL1154	New Life/ Fleetcraft	E-2408
NL1263	New Life/ Fleetcraft	E-2411A
NL1315	New Life/ Fleetcraft	E-2412A
NL1314	New Life/ Fleetcraft	E-2413A
NL1362	New Life/ Fleetcraft	E-2441B
NL1958	New Life/ Fleetcraft	E-2441B
NL1363	New Life/ Fleetcraft	E-2442B
NL1959	New Life/ Fleetcraft	E-2442B
NL1364	New Life/ Fleetcraft	E-2443B
NL1365	New Life/ Fleetcraft	E-2444B
NL1367	New Life/ Fleetcraft	E-2445B
NL1366	New Life/ Fleetcraft	E-2446B
NL1372	New Life/ Fleetcraft	E-2451A

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PART NO.	COMPETITOR	EUCLID NO.
NL1373	New Life/ Fleetcraft	E-2452A
NL1240	New Life/ Fleetcraft	E-2469
NL1293	New Life/ Fleetcraft	E-2478B
NL1292	New Life/ Fleetcraft	E-2479B
NL1351	New Life/ Fleetcraft	E-2492
NL1350	New Life/ Fleetcraft	E-2493
NL1167	New Life/ Fleetcraft	E-2517
NL1239	New Life/ Fleetcraft	E-2526
NL1107	New Life/ Fleetcraft	E-2551
NL1152	New Life/ Fleetcraft	E-2670
NL1103	New Life/ Fleetcraft	E-2681A
NL1147	New Life/ Fleetcraft	E-2695
NL1277	New Life/ Fleetcraft	E-2696A
NL1005	New Life/ Fleetcraft	E-2766S
NL1086	New Life/ Fleetcraft	E-2767
NL1578	New Life/ Fleetcraft	E-2768
NL1621	New Life/ Fleetcraft	E-2769S
NL1311	New Life/ Fleetcraft	E-2794
NL1310	New Life/ Fleetcraft	E-2795
NL1199	New Life/ Fleetcraft	E-3007A
NL1744	New Life/ Fleetcraft	E-3234
NL1744B	New Life/ Fleetcraft	E-3234
NL1084	New Life/ Fleetcraft	E-3490B
NL1389	New Life/ Fleetcraft	E-4901
NL1004	New Life/ Fleetcraft	E-502
NL1001	New Life/ Fleetcraft	E-512
NL1039	New Life/ Fleetcraft	E-5122

PART NO.	COMPETITOR	EUCLID NO.
NL1063	New Life/ Fleetcraft	E-5123
NL1762	New Life/ Fleetcraft	E-5127
NL1429	New Life/ Fleetcraft	E-5128
NL1424	New Life/ Fleetcraft	E-5137
NL1425	New Life/ Fleetcraft	E-5138
NL5328	New Life/ Fleetcraft	E-5205
NL1217	New Life/ Fleetcraft	E-526
NL1098	New Life/ Fleetcraft	E-5305
NL1627	New Life/ Fleetcraft	E-5306
NL1143	New Life/ Fleetcraft	E-535
NL1134	New Life/ Fleetcraft	E-536
NL1230	New Life/ Fleetcraft	E-537
NL1204	New Life/ Fleetcraft	E-538
NL1200	New Life/ Fleetcraft	E-539
NL1248	New Life/ Fleetcraft	E-544
NL1078	New Life/ Fleetcraft	E-545A
NL5006	New Life/ Fleetcraft	E-5571A
NL1231	New Life/ Fleetcraft	E-563
NL1260	New Life/ Fleetcraft	E-564
NL5149	New Life/ Fleetcraft	E-5717-L
NL5148	New Life/ Fleetcraft	E-5717-R
NL5226	New Life/ Fleetcraft	E-5738
NL5234	New Life/ Fleetcraft	E-5742
NL1272	New Life/ Fleetcraft	E-579A
NL1258	New Life/ Fleetcraft	E-580
NL1257	New Life/ Fleetcraft	E-581
NL5247	New Life/ Fleetcraft	E-5833

PART NO.	COMPETITOR	EUCLID NO.
NL5248	New Life/ Fleetcraft	E-5834
NL5263	New Life/ Fleetcraft	E-5930-L
NL1027	New Life/ Fleetcraft	E-595
NL1041	New Life/ Fleetcraft	E-596A
NL1003	New Life/ Fleetcraft	E-609
NL1103	New Life/ Fleetcraft	E-631
NL1234	New Life/ Fleetcraft	E-654
NL1252	New Life/ Fleetcraft	E-656
NL1136	New Life/ Fleetcraft	E-661
NL1321	New Life/ Fleetcraft	E-684
NL1320	New Life/ Fleetcraft	E-685
NL1309	New Life/ Fleetcraft	E-686
NL1308	New Life/ Fleetcraft	E-687
NL1325	New Life/ Fleetcraft	E-690
NL1324	New Life/ Fleetcraft	E-691
NL1255	New Life/ Fleetcraft	E-719
NL1569	New Life/ Fleetcraft	E-7212A
NL1212	New Life/ Fleetcraft	E-747
NL1135	New Life/ Fleetcraft	E-759
NL1205	New Life/ Fleetcraft	E-801
NL1106	New Life/ Fleetcraft	E-886
NL1213	New Life/ Fleetcraft	E-910
NL1112	New Life/ Fleetcraft	E-919
NL1111	New Life/ Fleetcraft	E-920
NL1139	New Life/ Fleetcraft	E-943
NL1416	New Life/ Fleetcraft	E-957
K03	Paccar	E-10213-L
K04	Paccar	E-10213-R

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Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
K05	Paccar	E-10214-L
K06	Paccar	E-10214-R
20S	Paccar	E-20S
24S	Paccar	E-24S
24S-LS	Paccar	E-24S-L
30S	Paccar	E-30S
36S	Paccar	E-36S
PAC5L	Paccar	E-5749-L
PAC5R	Paccar	E-5749-R
0200572	Paccar	E-5868-L
0200573	Paccar	E-5868-R
K233344L	Paccar	E-5871-L
PAC4	Paccar	E-5871-L
K233344R	Paccar	E-5871-R
PAC3	Paccar	E-5871-R
K2332871L	Paccar	E-5896-L
PAC2	Paccar	E-5896-L
0302208	Paccar	E-5896-L
K2332871R	Paccar	E-5896-R
PAC1	Paccar	E-5896-R
0302207	Paccar	E-5896-R
K233B359L	Paccar	E-5982-L
PAC15L	Paccar	E-5982-L
0200771	Paccar	E-5982-L
0201484	Paccar	E-5982-L
K233B359R	Paccar	E-5982-R
PAC15R	Paccar	E-5982-R
0200772	Paccar	E-5982-R
0201485	Paccar	E-5982-R
0302853	Paccar	E-5983-L
12452001L	Paccar	E-5983-L
0302852	Paccar	E-5983-R
12452001R	Paccar	E-5983-R
K233C372L	Paccar	E-8990-L
K233C372R	Paccar	E-8990-R
3036GC	Paccar	E-GC3036
3636GC	Paccar	E-GC3636
2430GP	Paccar	E-GP2430
3036GP	Paccar	E-GP3036
3636GP	Paccar	E-GP3636
HCM-4941	PAI	E-2478B
HCM-4951	PAI	E-2479B
ER00470	PAI	E-3427
ANU-9320	PAI	E-3501
BNU-7890	PAI	E-3504
BWA-7870	PAI	E-3505
BNU-7830	PAI	E-3506
BNU-0770	PAI	E-3507

PART NO.	COMPETITOR	EUCLID NO.
BWA-2560	PAI	E-3508
BNU-0780	PAI	E-3509
HPR5150	PAI	E-501
HWC-5520	PAI	E-5044
HLK-5310	PAI	E-5093
HFT-5340	PAI	E-537
HWC-5590	PAI	E-5571A
ER59200	PAI	E-5652-L
HAP-5260	PAI	E-608
HSA-4920	PAI	E-612HD
HBG-3390	PAI	E-712
HWP-5180	PAI	E-714
HSP-0290	PAI	E-752
HSA-4924	PAI	E-940HD
AWA-9340	PAI	E-3502
BNU7832	PAI	E-6147
HSC-0105	PAI	E-4990A
HSC-0154	PAI	E-4990A
HWC-5491	PAI	E-5828
HWC-5620	PAI	E-5781
47011	PDC	E-940S-BK
KIT-4HDP	PDC	KIT-4HD
KIT-4P	PDC	KIT-4HD
KIT-5P	PDC	KIT-5
1094P	PDC	E-1094
1095P	PDC	E-1095
1147BP	PDC	E-1147C
1148BP	PDC	E-1148C
SC1200	PDC	E-12S
1357P	PDC	E-1357A
1410P	PDC	E-1410
1411P	PDC	E-1411
1420P	PDC	E-1420
1421P	PDC	E-1421
1422P	PDC	E-1422
1423P	PDC	E-1423
1424P	PDC	E-1424A
1425P	PDC	E-1425A
1563P	PDC	E-1563
1564P	PDC	E-1564
44041	PDC	E-1574S-BK
PP1941	PDC	E-1597A
1607HDP	PDC	E-1607HD
SC1600	PDC	E-16S
1773BP	PDC	E-1773C
1774BP	PDC	E-1774C
1775P	PDC	E-1775
1776P	PDC	E-1776

PART NO.	COMPETITOR	EUCLID NO.
1816HDP	PDC	E-1816HD
1816P	PDC	E-1816HD
1887BHD	PDC	E-1887AHD
1887HDP	PDC	E-1887AHD
1887BHD	PDC	E-1887ASHD
PP1901	PDC	E-1901
PP1902	PDC	E-1902
PP1903	PDC	E-1903
PP1904	PDC	E-1904
PP1905	PDC	E-1905
PP1906	PDC	E-1906
PP1907	PDC	E-1907
PP1908	PDC	E-1908
PP1909	PDC	E-1909
PP1910	PDC	E-1910
PP1911	PDC	E-1911
PP1912	PDC	E-1912
PP1913	PDC	E-1913
PP1914	PDC	E-1914
PP1915	PDC	E-1915
PP1916	PDC	E-1916
PP1917	PDC	E-1917
PP1918	PDC	E-1918
PP1919	PDC	E-1919
PP1920	PDC	E-1920
PP1921	PDC	E-1921
PP1922	PDC	E-1922
PP1923	PDC	E-1923
PP1924	PDC	E-1924
PP1925	PDC	E-1925
PP1926	PDC	E-1926
PP1927	PDC	E-1927
PP1928	PDC	E-1928
PP1929	PDC	E-1929
PP1930	PDC	E-1930
PP1931	PDC	E-1931
PP1932	PDC	E-1932
PP1933	PDC	E-1933
PP1934	PDC	E-1934
PP1935	PDC	E-1935
PP1936	PDC	E-1936
PP1937	PDC	E-1937
2086P	PDC	E-2086B
2087P	PDC	E-2087
2088P	PDC	E-2088A
2089P	PDC	E-2089
2090P	PDC	E-2090
2099P	PDC	E-2099

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PART NO.	COMPETITOR	EUCLID NO.
SC2000	PDC	E-20S
2100P	PDC	E-2100
2121P	PDC	E-2121
2121HDP	PDC	E-2121HD
2122P	PDC	E-2122
2123P	PDC	E-2123
2125P	PDC	E-2125
2126P	PDC	E-2126
2286P	PDC	E-2286
2287P	PDC	E-2287
2363P	PDC	E-2363
2382P	PDC	E-2382
2402HDP	PDC	E-2402HD
2412P	PDC	E-2412A
2413P	PDC	E-2413A
2441AP	PDC	E-2441B
2442AP	PDC	E-2442B
2443AP	PDC	E-2443B
2444AP	PDC	E-2444B
2445AP	PDC	E-2445B
2446AP	PDC	E-2446B
44051	PDC	E-2458S-BK
44061	PDC	E-2459S-BK
2469P	PDC	E-2469
2478AP	PDC	E-2478B
2479AP	PDC	E-2479B
2494P	PDC	E-2494
SC2400	PDC	E-24S
2526P	PDC	E-2526
2675HDP	PDC	E-2675HD
2679P	PDC	E-2679A
2680P	PDC	E-2680
2693P	PDC	E-2693
2694P	PDC	E-2694
2696P	PDC	E-2696A
E-2769BHD	PDC	E-2769HD
2769HDP	PDC	E-2769HD
2769BHD	PDC	E-2769SHD
2821P	PDC	E-2821
SC3000	PDC	E-30S
3291P	PDC	E-3291
PP1939	PDC	E-3371
3446P	PDC	E-3446
3468P	PDC	E-3468A
3484P	PDC	E-3484
3518P	PDC	E-3518
3520P	PDC	E-3520A
3710BHD	PDC	E-3710SHD

PART NO.	COMPETITOR	EUCLID NO.
3710HDP	PDC	E-3801
3869P	PDC	E-3869
3876P	PDC	E-3876
3895P	PDC	E-3895S
3989P	PDC	E-3989AHD
3993P	PDC	E-3993B
4691P	PDC	E-4691
4716P	PDC	E-4716
4717P	PDC	E-4717
4720P	PDC	E-4720
4721P	PDC	E-4721
4800P	PDC	E-4800
5094P	PDC	E-5094A
5139P	PDC	E-5139
5140P	PDC	E-5140
E-5481P	PDC	E-5481A
5481P	PDC	E-5481A
5499P	PDC	E-5499
5515P	PDC	E-5515
47001	PDC	E-612S-BK
PP1938	PDC	E-6137
6879P	PDC	E-6879
400-10001	PDC	E-6900A
400-10216	PDC	E-6936
400-10215	PDC	E-6940
400-10212	PDC	E-6942
400-10211	PDC	E-6944
400-10214	PDC	E-6946
T9	PDC	E-8888
T12	PDC	E-8889
T16	PDC	E-8890
T20	PDC	E-8891
T24	PDC	E-8892
T30	PDC	E-8894
T36	PDC	E-8895
3858P	PDC	E-9644
4896P	PDC	E-9649
4897P	PDC	E-9650
3349P	PDC	E-9659
3350P	PDC	E-9660
3351P	PDC	E-9661
3352P	PDC	E-9662
4731P	PDC	E-9671
4730P	PDC	E-9672
2424SB	PDC	E-GC2424
E-2430SB	PDC	E-GC2430
2430SB	PDC	E-GC2430
3030SB	PDC	E-GC3030

PART NO.	COMPETITOR	EUCLID NO.
2424PB	PDC	E-GP2424
2430PB	PDC	E-GP2430
3030PB	PDC	E-GP3030
S9868	S&S / Newstar	E-4904S
S-8573	S&S / Newstar	E-1094
S-8572	S&S / Newstar	E-1095
S-8393	S&S / Newstar	E-1147C
S-8394	S&S / Newstar	E-1148C
S-8395	S&S / Newstar	E-1424A
S-8396	S&S / Newstar	E-1425A
S-8453	S&S / Newstar	E-1563
S-8599	S&S / Newstar	E-1564
S9861	S&S / Newstar	E-1574HD
S-9519	S&S / Newstar	E-2099
S-9518	S&S / Newstar	E-2100
S-9513	S&S / Newstar	E-2441B
S-9512	S&S / Newstar	E-2442B
S-9517	S&S / Newstar	E-2443B
S-9516	S&S / Newstar	E-2444B
S-9515	S&S / Newstar	E-2445B
S-9514	S&S / Newstar	E-2446B
S9863	S&S / Newstar	E-2458HD
S9862	S&S / Newstar	E-2459HD
20X1463	S&S / Newstar	E-5924-L
20X1464	S&S / Newstar	E-5924-R
S9642	S&S / Newstar	E-612HD
1227V464	S&S / Newstar	E-6140
S-5022	S&S / Newstar	E-8888
S-5023	S&S / Newstar	E-8889
S-5024	S&S / Newstar	E-8890
S-5025	S&S / Newstar	E-8891
S-1797	S&S / Newstar	E-8892
S-9462	S&S / Newstar	E-8893
S-1798	S&S / Newstar	E-8894
S-5028	S&S / Newstar	E-8895
S-9523	S&S / Newstar	E-940HD
S-8455	S&S / Newstar	E-9661
S-8454	S&S / Newstar	E-9662
S2026	Sirco Brake	E-4904S
SA24100	Sirco Brake	E-6987B
SA25100	Sirco Brake	E-6989B
SA21103	Sirco Brake	E-6991B
SA21102	Sirco Brake	E-6992B
SA22103	Sirco Brake	E-6993B
SA22102	Sirco Brake	E-6994B
SA23106	Sirco Brake	E-6995B
TK-1	Sirco Brake	KIT-4S
TK-1HD	Sirco Brake	KIT-4SHD

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**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
FK-2	Sirco Brake	KIT-5
B432A	Sirco Brake	E-10197
B434	Sirco Brake	E-10198
C306L	Sirco Brake	E-10306A
C307R	Sirco Brake	E-10307A
LB-10	Sirco Brake	E-10756
LB-11	Sirco Brake	E-10757
EF-2	Sirco Brake	E-10760
SA42100	Sirco Brake	E-10779A
SA41100	Sirco Brake	E-10780A
SA42106	Sirco Brake	E-10781A
SA41106	Sirco Brake	E-10782A
SA43106	Sirco Brake	E-10783A
B800	Sirco Brake	E-10800
B801	Sirco Brake	E-10801
BP-105	Sirco Brake	E-10812
BP-104	Sirco Brake	E-10814
BP-100	Sirco Brake	E-10818
BP-106	Sirco Brake	E-10826
BP-107	Sirco Brake	E-10834
BP-110	Sirco Brake	E-10835
BP-108	Sirco Brake	E-10836
BP-109	Sirco Brake	E-10838
BK-145R	Sirco Brake	E-10870
LB-3D	Sirco Brake	E-10875
B87462	Sirco Brake	E-10897
C603L	Sirco Brake	E-10899
C602R	Sirco Brake	E-10900
C905L	Sirco Brake	E-10905
C906R	Sirco Brake	E-10906
C910L	Sirco Brake	E-10909
C911R	Sirco Brake	E-10910
C740L	Sirco Brake	E-10911
C741R	Sirco Brake	E-10912
C094R	Sirco Brake	E-1094
CT331	Sirco Brake	E-10946
CT313	Sirco Brake	E-10947
SA22953	Sirco Brake	E-10949B
C095L	Sirco Brake	E-1095
SA21953	Sirco Brake	E-10950B
B887	Sirco Brake	E-1112A
B988	Sirco Brake	E-1113
K-3	Sirco Brake	E-11318
K-4	Sirco Brake	E-11319
SA1041	Sirco Brake	E-11398
SA1042	Sirco Brake	E-11399
SA1073	Sirco Brake	E-11401
SA1074	Sirco Brake	E-11402

PART NO.	COMPETITOR	EUCLID NO.
B8150L	Sirco Brake	E-11445
B8150R	Sirco Brake	E-11446
B806	Sirco Brake	E-11449
B8794	Sirco Brake	E-11450
B8794HD	Sirco Brake	E-11450HD
B8794HDA	Sirco Brake	E-11450HD-2
C147CR	Sirco Brake	E-1147C
C148CL	Sirco Brake	E-1148C
SF1	Sirco Brake	E-11493
CT375	Sirco Brake	E-11497
C540R	Sirco Brake	E-11540
C541L	Sirco Brake	E-11541
C568R	Sirco Brake	E-11568
C569L	Sirco Brake	E-11569
C584R	Sirco Brake	E-11584
C585L	Sirco Brake	E-11585
C312L	Sirco Brake	E-11858
C313R	Sirco Brake	E-11859
C314L	Sirco Brake	E-11860
C315R	Sirco Brake	E-11861
C607L	Sirco Brake	E-11864
C606R	Sirco Brake	E-11865
C609L	Sirco Brake	E-11866
C608R	Sirco Brake	E-11867
B8805	Sirco Brake	E-11897
B8797	Sirco Brake	E-11910
RK3	Sirco Brake	E-11974
ES5	Sirco Brake	E-11981
B501	Sirco Brake	E-1269
B8614	Sirco Brake	E-1271
B8613	Sirco Brake	E-1272
DT30LS	Sirco Brake	E-12773
B8662	Sirco Brake	E-1307
B8663	Sirco Brake	E-1308
EF-1	Sirco Brake	E-1308E
RF-3	Sirco Brake	E-1308Q
RF3A	Sirco Brake	E-1308QMA
B8621	Sirco Brake	E-1314
B8696	Sirco Brake	E-1318A
B8696HD	Sirco Brake	E-1318AHD
B8735	Sirco Brake	E-1319A
B8643	Sirco Brake	E-1357A
B888T	Sirco Brake	E-1362
B8616	Sirco Brake	E-1385
B427	Sirco Brake	E-1400
B424	Sirco Brake	E-1403
B425	Sirco Brake	E-1406
B8697	Sirco Brake	E-1408

PART NO.	COMPETITOR	EUCLID NO.
C410R	Sirco Brake	E-1410
C411L	Sirco Brake	E-1411
B8612	Sirco Brake	E-1416
B8612A	Sirco Brake	E-1416A
B769	Sirco Brake	E-1418
C420R	Sirco Brake	E-1420
C421L	Sirco Brake	E-1421
C422R	Sirco Brake	E-1422
C423L	Sirco Brake	E-1423
C424R	Sirco Brake	E-1424A
C424AR	Sirco Brake	E-1424A
C425L	Sirco Brake	E-1425A
C425AL	Sirco Brake	E-1425A
B981	Sirco Brake	E-1428A
C445BL	Sirco Brake	E-14820
C445L	Sirco Brake	E-14820
C446BR	Sirco Brake	E-14821
C446R	Sirco Brake	E-14821
C441BL	Sirco Brake	E-14822
C441L	Sirco Brake	E-14822
C442BR	Sirco Brake	E-14823
C442R	Sirco Brake	E-14823
C443BL	Sirco Brake	E-14824
C443L	Sirco Brake	E-14824
C444BR	Sirco Brake	E-14825
C444R	Sirco Brake	E-14825
SA1132	Sirco Brake	E-15016
SA1133	Sirco Brake	E-15017
SA1136	Sirco Brake	E-15020
SA1138	Sirco Brake	E-15022
SA1140	Sirco Brake	E-15024
SA1141	Sirco Brake	E-15025
SA1144	Sirco Brake	E-15028
S2007	Sirco Brake	E-15061
S2006	Sirco Brake	E-15069
C563L	Sirco Brake	E-1563
C564R	Sirco Brake	E-1564
B8619	Sirco Brake	E-1565
B8620	Sirco Brake	E-1567
B8622	Sirco Brake	E-1569
B8623	Sirco Brake	E-1571
S2012A	Sirco Brake	E-1574S
B8624	Sirco Brake	E-1577A
B868	Sirco Brake	E-1581
B054	Sirco Brake	E-1582
B869	Sirco Brake	E-1583
9012	Sirco Brake	E-1597A
TK-7HD	Sirco Brake	E-1607HD

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
C773R	Sirco Brake	E-1773C
C773CR	Sirco Brake	E-1773C
C774L	Sirco Brake	E-1774C
C774CL	Sirco Brake	E-1774C
C775R	Sirco Brake	E-1775
C776L	Sirco Brake	E-1776
B8630	Sirco Brake	E-1781
B8629	Sirco Brake	E-1782
B728	Sirco Brake	E-1880B
B888S	Sirco Brake	E-1893
B888	Sirco Brake	E-1893S
1904	Sirco Brake	E-1904
1908	Sirco Brake	E-1908
1909	Sirco Brake	E-1909
1910	Sirco Brake	E-1910
1912	Sirco Brake	E-1912
1913	Sirco Brake	E-1913
1914	Sirco Brake	E-1914
1915	Sirco Brake	E-1915
1917	Sirco Brake	E-1917
1919	Sirco Brake	E-1919
1920	Sirco Brake	E-1920
1921	Sirco Brake	E-1921
1922	Sirco Brake	E-1922
1923	Sirco Brake	E-1923
1925	Sirco Brake	E-1925
1927	Sirco Brake	E-1927
B8646	Sirco Brake	E-2086B
B8646A	Sirco Brake	E-2086B-2
B8656	Sirco Brake	E-2087
B8656A	Sirco Brake	E-2087-2
B8681	Sirco Brake	E-2088A
B8681HD	Sirco Brake	E-2088AHD
B8681HDA	Sirco Brake	E-2088AHD-2
B8657	Sirco Brake	E-2089
B8649	Sirco Brake	E-2090
B8649A	Sirco Brake	E-2090-2
S2025	Sirco Brake	E-2091
C101L	Sirco Brake	E-2099
C100R	Sirco Brake	E-2100
B8606	Sirco Brake	E-2102
B8733	Sirco Brake	E-2103
B8714	Sirco Brake	E-2104
FK1HD	Sirco Brake	E-2121SHD
B8650	Sirco Brake	E-2122
B8650A	Sirco Brake	E-2122-2
B8647	Sirco Brake	E-2123
B8648	Sirco Brake	E-2125

PART NO.	COMPETITOR	EUCLID NO.
B8648A	Sirco Brake	E-2125-2
LB-4	Sirco Brake	E-2126
B911	Sirco Brake	E-2177
B942	Sirco Brake	E-2217A
B211S	Sirco Brake	E-2218
LB-5	Sirco Brake	E-2286
B8652	Sirco Brake	E-2287
B8652A	Sirco Brake	E-2287-2
B8660	Sirco Brake	E-2291
B8636	Sirco Brake	E-2361
B8644	Sirco Brake	E-2363
B8717	Sirco Brake	E-2365
B8615	Sirco Brake	E-2380
B8645	Sirco Brake	E-2382
B362	Sirco Brake	E-2389
B216	Sirco Brake	E-2390
B392	Sirco Brake	E-2391
B380	Sirco Brake	E-2392
B133	Sirco Brake	E-2395
B132	Sirco Brake	E-2396
B307	Sirco Brake	E-2398
B358	Sirco Brake	E-2399
LB-1	Sirco Brake	E-2402HD
B8631	Sirco Brake	E-2404
B8625	Sirco Brake	E-2405
B8626	Sirco Brake	E-2406
B8628	Sirco Brake	E-2407
B8627	Sirco Brake	E-2408
B8632	Sirco Brake	E-2409
B960	Sirco Brake	E-2411A
C412R	Sirco Brake	E-2412A
C412AR	Sirco Brake	E-2412A
C413L	Sirco Brake	E-2413A
C413AL	Sirco Brake	E-2413A
C447L	Sirco Brake	E-2447A
C447AL	Sirco Brake	E-2447A
C448AR	Sirco Brake	E-2448A
C448R	Sirco Brake	E-2448A
C449L	Sirco Brake	E-2449A
C449AL	Sirco Brake	E-2449A
C450AR	Sirco Brake	E-2450A
C450R	Sirco Brake	E-2450A
C451AL	Sirco Brake	E-2451A
C451L	Sirco Brake	E-2451A
C452R	Sirco Brake	E-2452A
C452AR	Sirco Brake	E-2452A
S2022A	Sirco Brake	E-2458S
S2019A	Sirco Brake	E-2459S

PART NO.	COMPETITOR	EUCLID NO.
B8655	Sirco Brake	E-2469
B8655A	Sirco Brake	E-2469-2
B983	Sirco Brake	E-2475
B8736	Sirco Brake	E-2477B
C478R	Sirco Brake	E-2478B
C478BR	Sirco Brake	E-2478B
C479L	Sirco Brake	E-2479B
C479BL	Sirco Brake	E-2479B
B8712	Sirco Brake	E-2494
B8699	Sirco Brake	E-2517
B8682	Sirco Brake	E-2526
B8665	Sirco Brake	E-2551
B8661	Sirco Brake	E-2670
MK-1HD	Sirco Brake	E-2675HD
B8686	Sirco Brake	E-2679A
B8686HD	Sirco Brake	E-2679AHD
B86852	Sirco Brake	E-2680
B86852A	Sirco Brake	E-2680-2
B8698	Sirco Brake	E-2690A
C693L	Sirco Brake	E-2693
C694R	Sirco Brake	E-2694
B8688	Sirco Brake	E-2695
B8684	Sirco Brake	E-2696A
B8684A	Sirco Brake	E-2696A-2
B717	Sirco Brake	E-2717
B795	Sirco Brake	E-2720
B823	Sirco Brake	E-2723
B829	Sirco Brake	E-2724
B829	Sirco Brake	E-2725
B220	Sirco Brake	E-2767
B302	Sirco Brake	E-2768
B870	Sirco Brake	E-2770
C786R	Sirco Brake	E-2786
C787L	Sirco Brake	E-2787
C794R	Sirco Brake	E-2794
C795L	Sirco Brake	E-2795
C796R	Sirco Brake	E-2796
C797L	Sirco Brake	E-2797
B898	Sirco Brake	E-2798
C799R	Sirco Brake	E-2799
C800L	Sirco Brake	E-2800
B053	Sirco Brake	E-2802
B154	Sirco Brake	E-2803
B982	Sirco Brake	E-2804
B770	Sirco Brake	E-2805
EK-2	Sirco Brake	E-2821
B161	Sirco Brake	E-3007A
B498	Sirco Brake	E-3227

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
B302	Sirco Brake	E-3228
B8722	Sirco Brake	E-3234
WF-1	Sirco Brake	E-3291
LB-2	Sirco Brake	E-3373HD
B262	Sirco Brake	E-3424
B556	Sirco Brake	E-3427
B579	Sirco Brake	E-3437
B8743	Sirco Brake	E-3446
B8743A	Sirco Brake	E-3446-2
B8754	Sirco Brake	E-3447
RC-1	Sirco Brake	E-3468A
B8755	Sirco Brake	E-3469
B8756	Sirco Brake	E-3471
B230	Sirco Brake	E-3472
B811	Sirco Brake	E-3473
B8758	Sirco Brake	E-3475
B8757	Sirco Brake	E-3476
B8718	Sirco Brake	E-3478
B8719	Sirco Brake	E-3479
B308	Sirco Brake	E-3481A
B134	Sirco Brake	E-3482
B135	Sirco Brake	E-3483
LB-3	Sirco Brake	E-3484
B349	Sirco Brake	E-3490B
B349	Sirco Brake	E-3490S
B923	Sirco Brake	E-3511
B972	Sirco Brake	E-3512
B973	Sirco Brake	E-3513
RK-1	Sirco Brake	E-3518
B8683	Sirco Brake	E-3520A
B8683A	Sirco Brake	E-3520A-2
B8683HD	Sirco Brake	E-3520AHD
B8683HDA	Sirco Brake	E-3520AHD-2
B277	Sirco Brake	E-3711
LB-6	Sirco Brake	E-3782
EK-3	Sirco Brake	E-3801
EK3	Sirco Brake	E-3801
C854L	Sirco Brake	E-3854
C855R	Sirco Brake	E-3855
C856L	Sirco Brake	E-3856
C857R	Sirco Brake	E-3857
B8690	Sirco Brake	E-3859
C861L	Sirco Brake	E-3861
C862R	Sirco Brake	E-3862
B950	Sirco Brake	E-3870
B951	Sirco Brake	E-3871
B952	Sirco Brake	E-3872
B953	Sirco Brake	E-3873

PART NO.	COMPETITOR	EUCLID NO.
B954	Sirco Brake	E-3874
B8744	Sirco Brake	E-3876
B8744A	Sirco Brake	E-3876-2
B8760	Sirco Brake	E-3877
B8761	Sirco Brake	E-3878
B8747HD	Sirco Brake	E-3989AHD
B8747HDA	Sirco Brake	E-3989AHD-2
B8764	Sirco Brake	E-3991
RK-2	Sirco Brake	E-3992
B8707	Sirco Brake	E-3993B
B8707A	Sirco Brake	E-3993B-2
TK-4	Sirco Brake	E-4515P
TK-4HD	Sirco Brake	E-4515PHD
TK-4MPHD	Sirco Brake	E-4515PHD
QK1	Sirco Brake	E-4515Q-B
QK-2S	Sirco Brake	E-4515U
XK-3	Sirco Brake	E-4515X
XK-3HD	Sirco Brake	E-4515XHD
XK-3MPHD	Sirco Brake	E-4515XHD
B8728	Sirco Brake	E-4586
B8727	Sirco Brake	E-4587
B8725A	Sirco Brake	E-4594
C702BR	Sirco Brake	E-4702B
C703BL	Sirco Brake	E-4703B
C706BR	Sirco Brake	E-4706B
C707BL	Sirco Brake	E-4707B
C708BR	Sirco Brake	E-4708B
C709BL	Sirco Brake	E-4709B
C710BR	Sirco Brake	E-4710B
C711BL	Sirco Brake	E-4711B
C714AR	Sirco Brake	E-4714A
C715AL	Sirco Brake	E-4715A
C716R	Sirco Brake	E-4716
C717L	Sirco Brake	E-4717
C718R	Sirco Brake	E-4718
C719L	Sirco Brake	E-4719
C720R	Sirco Brake	E-4720
C721L	Sirco Brake	E-4721
C722R	Sirco Brake	E-4722
C723L	Sirco Brake	E-4723
B8691	Sirco Brake	E-4736
CT332	Sirco Brake	E-4737A
CT333	Sirco Brake	E-4738A
CT334	Sirco Brake	E-4739
ARK	Sirco Brake	E-4800
C884L	Sirco Brake	E-4884
C885R	Sirco Brake	E-4885
C886L	Sirco Brake	E-4886

PART NO.	COMPETITOR	EUCLID NO.
C887R	Sirco Brake	E-4887
C888L	Sirco Brake	E-4888
C889R	Sirco Brake	E-4889
CT356	Sirco Brake	E-4934A
CT311	Sirco Brake	E-4935
B499	Sirco Brake	E-501
B311	Sirco Brake	E-502
B221	Sirco Brake	E-5088
B924	Sirco Brake	E-5089
B8689	Sirco Brake	E-5093
B8745	Sirco Brake	E-5094A
B8762	Sirco Brake	E-5095
B251	Sirco Brake	E-512
B999	Sirco Brake	E-5122
B562	Sirco Brake	E-5123
B8750	Sirco Brake	E-5127
B8751	Sirco Brake	E-5128
B8752	Sirco Brake	E-5137
B8753	Sirco Brake	E-5138
B8742	Sirco Brake	E-5140
B8742A	Sirco Brake	E-5140-2
B941	Sirco Brake	E-523
CT357	Sirco Brake	E-5241A
CT361	Sirco Brake	E-5242A
CT359	Sirco Brake	E-5243A
CT360	Sirco Brake	E-5244A
B8604	Sirco Brake	E-526
B379	Sirco Brake	E-527
B217	Sirco Brake	E-5304
B218	Sirco Brake	E-5305
LB-7	Sirco Brake	E-5306
B86552	Sirco Brake	E-5307
B86552A	Sirco Brake	E-5307-2
B8603	Sirco Brake	E-535
B8600	Sirco Brake	E-536
B901	Sirco Brake	E-537
B151	Sirco Brake	E-539
B974	Sirco Brake	E-543
B971	Sirco Brake	E-545A
B430K	Sirco Brake	E-5477
B431	Sirco Brake	E-5478
B8763	Sirco Brake	E-5482
C490L	Sirco Brake	E-5490
C491R	Sirco Brake	E-5491
C492L	Sirco Brake	E-5492
C493R	Sirco Brake	E-5493
C494L	Sirco Brake	E-5494
C495R	Sirco Brake	E-5495

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
C496L	Sirco Brake	E-5496
C497R	Sirco Brake	E-5497
B8746	Sirco Brake	E-5501
B8746A	Sirco Brake	E-5501-2
C504L	Sirco Brake	E-5504A
C505R	Sirco Brake	E-5505A
C867L	Sirco Brake	E-5506
C866R	Sirco Brake	E-5507
C871L	Sirco Brake	E-5508
C870R	Sirco Brake	E-5509
C868L	Sirco Brake	E-5510
C869R	Sirco Brake	E-5511
B8600A	Sirco Brake	E-5512
B8766	Sirco Brake	E-5513
XL-1	Sirco Brake	E-5515
C516L	Sirco Brake	E-5516
C517R	Sirco Brake	E-5517
C514L	Sirco Brake	E-5518
C515R	Sirco Brake	E-5519
C512L	Sirco Brake	E-5520
C513R	Sirco Brake	E-5521
C518L	Sirco Brake	E-5522
C519R	Sirco Brake	E-5523
C520L	Sirco Brake	E-5524
C521R	Sirco Brake	E-5525
C526L	Sirco Brake	E-5526
C527R	Sirco Brake	E-5527
B011	Sirco Brake	E-563
B8610	Sirco Brake	E-564
B861	Sirco Brake	E-579A
B8607	Sirco Brake	E-580
B8605	Sirco Brake	E-581
B586	Sirco Brake	E-586
B052	Sirco Brake	E-595
B152	Sirco Brake	E-596A
B8713	Sirco Brake	E-603
B8783	Sirco Brake	E-6076
B8784	Sirco Brake	E-6077
B8788	Sirco Brake	E-6078
B8782	Sirco Brake	E-6080
B832	Sirco Brake	E-609
C611L	Sirco Brake	E-6101
C612R	Sirco Brake	E-6102
S2010A	Sirco Brake	E-612S
B8609	Sirco Brake	E-654
B8608	Sirco Brake	E-656
B8601	Sirco Brake	E-661
B667	Sirco Brake	E-667

PART NO.	COMPETITOR	EUCLID NO.
C689R	Sirco Brake	E-684
C688L	Sirco Brake	E-685
C686R	Sirco Brake	E-686
C687L	Sirco Brake	E-687
RF-2ARK	Sirco Brake	E-6879
C890L	Sirco Brake	E-6884
C891R	Sirco Brake	E-6885
C690R	Sirco Brake	E-688A
C691L	Sirco Brake	E-689A
B8611	Sirco Brake	E-719
C217L	Sirco Brake	E-7217
C218R	Sirco Brake	E-7218
C219L	Sirco Brake	E-7219
C220R	Sirco Brake	E-7220
FF-1	Sirco Brake	E-7231
FF-1S	Sirco Brake	E-7232
B8795	Sirco Brake	E-7235
FR-1	Sirco Brake	E-7237
FR-1S	Sirco Brake	E-7238
B423	Sirco Brake	E-747
B256	Sirco Brake	E-757
B8602	Sirco Brake	E-759
B793	Sirco Brake	E-801
B807	Sirco Brake	E-807
S2001	Sirco Brake	E-8896
S2000	Sirco Brake	E-8897
CT312	Sirco Brake	E-8906
B350	Sirco Brake	E-8907
EX-1	Sirco Brake	E-8923
EQ-1	Sirco Brake	E-8925
B888D	Sirco Brake	E-8938
B433	Sirco Brake	E-9037
B436	Sirco Brake	E-9038
ES-4	Sirco Brake	E-9039
B8793	Sirco Brake	E-9053
C055L	Sirco Brake	E-9055
C056R	Sirco Brake	E-9056
C057L	Sirco Brake	E-9057
C058R	Sirco Brake	E-9058
C059L	Sirco Brake	E-9059
C060R	Sirco Brake	E-9060
B956	Sirco Brake	E-9063
B347	Sirco Brake	E-9069
MF-3	Sirco Brake	E-9070
B8781	Sirco Brake	E-9071
B8785	Sirco Brake	E-9072
B961	Sirco Brake	E-9073
B8786	Sirco Brake	E-9074

PART NO.	COMPETITOR	EUCLID NO.
B8787	Sirco Brake	E-9075
B794	Sirco Brake	E-9076
B8634A	Sirco Brake	E-9077
B8772M	Sirco Brake	E-9078
B8772MHD	Sirco Brake	E-9078HD
B8772MHDA	Sirco Brake	E-9078HD-2
B8773M	Sirco Brake	E-9079
B8773MHD	Sirco Brake	E-9079HD
B8773MHDA	Sirco Brake	E-9079HD-2
B8771	Sirco Brake	E-9080
C089L	Sirco Brake	E-9089
C090R	Sirco Brake	E-9090
C096L	Sirco Brake	E-9096
C097R	Sirco Brake	E-9097
C098L	Sirco Brake	E-9098
C099R	Sirco Brake	E-9099
B8634	Sirco Brake	E-910
C102L	Sirco Brake	E-9100
C103R	Sirco Brake	E-9101
S2024	Sirco Brake	E-9102
S2002	Sirco Brake	E-9133
ES-3	Sirco Brake	E-9141
B595S	Sirco Brake	E-919
B495	Sirco Brake	E-920
B495S	Sirco Brake	E-920S
LB-9	Sirco Brake	E-9281
LB-8	Sirco Brake	E-9283
S2020A	Sirco Brake	E-940HD
B8635	Sirco Brake	E-943
CT336	Sirco Brake	E-9591
CT337	Sirco Brake	E-9592
CT338	Sirco Brake	E-9593
CT350	Sirco Brake	E-9596
CT351	Sirco Brake	E-9597
CT369	Sirco Brake	E-9601
CT370	Sirco Brake	E-9602
B348	Sirco Brake	E-9643
MF-2	Sirco Brake	E-9644
C645L	Sirco Brake	E-9645
C646R	Sirco Brake	E-9646
C647L	Sirco Brake	E-9647
C648R	Sirco Brake	E-9648
C427L	Sirco Brake	E-9649
C426R	Sirco Brake	E-9650
C651L	Sirco Brake	E-9651
C652R	Sirco Brake	E-9652
C653L	Sirco Brake	E-9653
C654R	Sirco Brake	E-9654

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
C655L	Sirco Brake	E-9655
C656R	Sirco Brake	E-9656
C657L	Sirco Brake	E-9657
C727L	Sirco Brake	E-9657
C658R	Sirco Brake	E-9658
C726R	Sirco Brake	E-9658
C524L	Sirco Brake	E-9659
C522R	Sirco Brake	E-9660
C537L	Sirco Brake	E-9661
C536R	Sirco Brake	E-9662
C663L	Sirco Brake	E-9663
C664R	Sirco Brake	E-9664
C665L	Sirco Brake	E-9665
C666R	Sirco Brake	E-9666
C667L	Sirco Brake	E-9667
C668R	Sirco Brake	E-9668
C669L	Sirco Brake	E-9669
C729L	Sirco Brake	E-9669
C670R	Sirco Brake	E-9670
C728R	Sirco Brake	E-9670
C595L	Sirco Brake	E-9671
C731L	Sirco Brake	E-9671
C594R	Sirco Brake	E-9672
C730R	Sirco Brake	E-9672
C733AL	Sirco Brake	E-9673A
C733L	Sirco Brake	E-9673A
C732AR	Sirco Brake	E-9674A
C732R	Sirco Brake	E-9674A
C675L	Sirco Brake	E-9675
C735L	Sirco Brake	E-9675
C676R	Sirco Brake	E-9676
C734R	Sirco Brake	E-9676
C677L	Sirco Brake	E-9677
C678R	Sirco Brake	E-9678
C679L	Sirco Brake	E-9679
C680R	Sirco Brake	E-9680
C681L	Sirco Brake	E-9681
C682R	Sirco Brake	E-9682
C683L	Sirco Brake	E-9683
C684R	Sirco Brake	E-9684
C750L	Sirco Brake	E-9693
C751R	Sirco Brake	E-9694
C752L	Sirco Brake	E-9695
C753R	Sirco Brake	E-9696
C754L	Sirco Brake	E-9697
C755R	Sirco Brake	E-9698
C756L	Sirco Brake	E-9699
C757R	Sirco Brake	E-9700

PART NO.	COMPETITOR	EUCLID NO.
C763L	Sirco Brake	E-9701
C764R	Sirco Brake	E-9702
C761L	Sirco Brake	E-9703
C762R	Sirco Brake	E-9704
C724L	Sirco Brake	E-9725
C725R	Sirco Brake	E-9726
C927L	Sirco Brake	E-9727
C928R	Sirco Brake	E-9728
C972L	Sirco Brake	E-9729
C973R	Sirco Brake	E-9730
C931L	Sirco Brake	E-9731
C932R	Sirco Brake	E-9732
C933L	Sirco Brake	E-9733
C934R	Sirco Brake	E-9734
C935L	Sirco Brake	E-9735
C936R	Sirco Brake	E-9736
C737L	Sirco Brake	E-9737
C738R	Sirco Brake	E-9738
C742L	Sirco Brake	E-9741
C743R	Sirco Brake	E-9742
C759L	Sirco Brake	E-9759
C760R	Sirco Brake	E-9760
C769L	Sirco Brake	E-9769
C770R	Sirco Brake	E-9770
B805	Sirco Brake	E-9789
B8792	Sirco Brake	E-9790A
B8792A	Sirco Brake	E-9790A-2
B8790	Sirco Brake	E-9791
B8790HD	Sirco Brake	E-9791HD
B8606A	Sirco Brake	E-9792A
A1200	Sirco Brake	E-BC12S
A2000	Sirco Brake	E-BC20S
A2400	Sirco Brake	E-BC24S
A3000	Sirco Brake	E-BC30S
233	Sirco Brake	E-5821
238	Sirco Brake	E-5781
251	Sirco Brake	E-6053
256	Sirco Brake	E-5827
257	Sirco Brake	E-5828
314	Sirco Brake	E-5953
366	Sirco Brake	E-9837
416	Sirco Brake	E-6057-R
417	Sirco Brake	E-6057-L
700	Sirco Brake	E-700
722	Sirco Brake	E-5902
729	Sirco Brake	E-5838
853	Sirco Brake	E-5926
5300	Sirco Brake	E-573

PART NO.	COMPETITOR	EUCLID NO.
44132U	Sirco Brake	E-7450
583X	Sirco Brake	E583X
628X	Sirco Brake	E-628X
634X	Sirco Brake	E-634X
635X	Sirco Brake	E-635X
636X	Sirco Brake	E-636X
9009G	Sirco Brake	E-975
999X	Sirco Brake	E-999X
B428	Sirco Brake	E-3975
B429	Sirco Brake	E-937
B829	Sirco Brake	E-2726
SA10100	Sirco Brake	R806024A
SA10101	Sirco Brake	R806026A
SA10102	Sirco Brake	R806023A
SA10103	Sirco Brake	R806022A
SA10144	Sirco Brake	R806016A
SA10211	Sirco Brake	R806019A
SA10212	Sirco Brake	R806013A
SA10214	Sirco Brake	R806014A
SA10215	Sirco Brake	R806021A
SA10216	Sirco Brake	R806015A
SA10305	Sirco Brake	R806006A
SA10306	Sirco Brake	R806007A
SR1005	Sirco Brake	E-3975
SLN22006	SKF	E-15680
SLN22195	SKF	E-15681
SLN22280	SKF	E-15682
SLN22395	SKF	E-15683
10-399	Spicer	E-4904S
10-399-BULK	Spicer	E-4904S-BK
11-399	Spicer	E-6987B
11-401	Spicer	E-6989B
11-351	Spicer	E-6991B
11-354	Spicer	E-6992B
11-355	Spicer	E-6993B
11-368	Spicer	E-6994B
11-367	Spicer	E-6995B
11-369	Spicer	E-6996B
10-354-BULK	Spicer	E-940S-BK
HK22XLS	Spicer	KIT-1
M16LK100X	Spicer	KIT-1
TA43A	Spicer	KIT-1
22A	Spicer	KIT-1
43A	Spicer	KIT-1
HK16	Spicer	KIT-4HD
HK16XLS	Spicer	KIT-4HD
TA23A	Spicer	KIT-4HD
HK16XLS	Spicer	KIT-4S

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
TA23A	Spicer	KIT-4S
16-3A	Spicer	KIT-4S
16-4A-BULK	Spicer	KIT-4S
HK16SD	Spicer	KIT-4SHD
16A	Spicer	KIT-4SHD
16A-BULK	Spicer	KIT-4SHD
16-1A	Spicer	KIT-4SHD
16-4A	Spicer	KIT-4SHD
19-915	Spicer	E-10197
HK61	Spicer	E-10244
HK61SD	Spicer	E-10244
HK61XLS	Spicer	E-10244
M10WJ115	Spicer	E-1025
M10WJ155	Spicer	E-1025
11528	Spicer	E-1025
19-857	Spicer	E-1025
19-858	Spicer	E-1025
HK62XLS	Spicer	E-10760
HK47XLS-150	Spicer	E-10875
43-7115	Spicer	E-10897
M12WKL25-206	Spicer	E-10901
17-403	Spicer	E-10901
M12WKR25-206	Spicer	E-10902
17-402	Spicer	E-10902
M12WKL25-214	Spicer	E-10903
17-415	Spicer	E-10903
M12WKR25-214	Spicer	E-10904
17-414	Spicer	E-10904
M12WKL25-233	Spicer	E-10905
17-417	Spicer	E-10905
M12WKR25-233	Spicer	E-10906
17-416	Spicer	E-10906
M12WKL25-241	Spicer	E-10907
17-419	Spicer	E-10907
M12WKR25-241	Spicer	E-10908
17-418	Spicer	E-10908
M16WKL25-242	Spicer	E-10909
17-931	Spicer	E-10909
M16-WKR25-242	Spicer	E-10910
17-930	Spicer	E-10910
M16WK102-25	Spicer	E-1094
M16WK10325	Spicer	E-1094
17-574	Spicer	E-1094
17-586	Spicer	E-1094
17-575	Spicer	E-1095
17-587	Spicer	E-1095
M10HN154	Spicer	E-1106

PART NO.	COMPETITOR	EUCLID NO.
11527	Spicer	E-1106
34-1535	Spicer	E-1106
12052	Spicer	E-1107
34-1536	Spicer	E-1107
500371-8	Spicer	E-1107
36-1653	Spicer	E-1108
M10HP102	Spicer	E-1112A
M10HP104	Spicer	E-1112A
15-527	Spicer	E-1112A
35-1580	Spicer	E-1113
19-920	Spicer	E-1120-1
21-933	Spicer	E-1139
4602RW	Spicer	E-1139
4602S	Spicer	E-1139
18-810	Spicer	E-1147C
18-811	Spicer	E-1148C
HK95XLS	Spicer	E-11747
95A	Spicer	E-11747
M16WKL25-227	Spicer	E-11856
17-925	Spicer	E-11856
M16WKR25-227	Spicer	E-11857
17-924	Spicer	E-11857
M16WKL25-231	Spicer	E-11858
17-927	Spicer	E-11858
M16WKR25-231	Spicer	E-11859
17-826	Spicer	E-11859
17-926	Spicer	E-11859
M16WKL25-264	Spicer	E-11860
17-937	Spicer	E-11860
M16WKR25-264	Spicer	E-11861
17-936	Spicer	E-11861
M16WKL25-304	Spicer	E-11862
17-947	Spicer	E-11862
M16WKR25-304	Spicer	E-11863
17-946	Spicer	E-11863
M10KY105	Spicer	E-11910
43-7118	Spicer	E-11910
974642	Spicer	E-11980
HK97XLS	Spicer	E-11981
326514	Spicer	E-11981
M10HR119	Spicer	E-1269
35-1582	Spicer	E-1269
11004	Spicer	E-1269
28-1253	Spicer	E-1271
281267	Spicer	E-1272
29-1267	Spicer	E-1272
291267	Spicer	E-1272
M10HR101	Spicer	E-1289

PART NO.	COMPETITOR	EUCLID NO.
11526	Spicer	E-1289
34-1538	Spicer	E-1289
32-1462	Spicer	E-1302
32-1461	Spicer	E-1304
32-1460	Spicer	E-1305
34-1541	Spicer	E-1307
34-1542	Spicer	E-1308
54A	Spicer	E-1308E
63-2A	Spicer	E-1308E
63A	Spicer	E-1308E
HK55	Spicer	E-1308Q
TA55A	Spicer	E-1308Q
55A	Spicer	E-1308Q
27-1208	Spicer	E-1314
29-1280	Spicer	E-1314
30-1358	Spicer	E-1318A
30-1361	Spicer	E-1319A
15-541	Spicer	E-1337
43-7036	Spicer	E-1357A
27-1199	Spicer	E-1385
17-682	Spicer	E-1393
17-683	Spicer	E-1394
19-866	Spicer	E-1400
15-540	Spicer	E-1403
32-1429	Spicer	E-1406
29-1318	Spicer	E-1408
M12WK106-6	Spicer	E-1410
11593	Spicer	E-1410
17-684	Spicer	E-1410
M12WK107-6	Spicer	E-1411
11594	Spicer	E-1411
17-685	Spicer	E-1411
M16HH100	Spicer	E-1416
29-1269	Spicer	E-1416
29-1266	Spicer	E-1416A
19-859	Spicer	E-1418
M12WK100-19	Spicer	E-1420
M12WK10611	Spicer	E-1420
17-694	Spicer	E-1420
M12WK101-19	Spicer	E-1421
M12WK10711	Spicer	E-1421
17-695	Spicer	E-1421
M12WK100-17	Spicer	E-1422
M12WK10610	Spicer	E-1422
17-690	Spicer	E-1422
M12WK101-17	Spicer	E-1423
M12WK10710	Spicer	E-1423
17-691	Spicer	E-1423

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
M16WK102-17	Spicer	E-1424A
17-580	Spicer	E-1424A
M16WK103-17	Spicer	E-1425A
17-581	Spicer	E-1425A
M10HR119	Spicer	E-1426
19-854	Spicer	E-1428A
HK49-150	Spicer	E-14539
21-938	Spicer	E-1457
17-621	Spicer	E-1563
17-620	Spicer	E-1564
29-1322	Spicer	E-1565
28-1237	Spicer	E-1567
29-1302	Spicer	E-1569
27-1198	Spicer	E-1571
10-367	Spicer	E-1574HD
10-367HD	Spicer	E-1574HD
10-367-BULK	Spicer	E-1574HD-BK
10-379	Spicer	E-1574S
10-379-BULK	Spicer	E-1574S-BK
10-367-BULK	Spicer	E-1574S-BK
27-1194	Spicer	E-1577A
C67448	Spicer	E-1581
34-1531	Spicer	E-1581
C67447	Spicer	E-1582
M16WJ121	Spicer	E-1582
32-1430	Spicer	E-1582
C67446	Spicer	E-1583
19-863	Spicer	E-1583
13-495	Spicer	E-1597A
M16LK104X	Spicer	E-1607HD
TA192A	Spicer	E-1607HD
19A	Spicer	E-1607HD
192A	Spicer	E-1607HD
18-808	Spicer	E-1773C
18-809	Spicer	E-1774C
18-738	Spicer	E-1775
18-739	Spicer	E-1776
29-1268	Spicer	E-1780
29-1320	Spicer	E-1781
C67375	Spicer	E-1782
29-1307	Spicer	E-1782
29-1321	Spicer	E-1782
TA14A	Spicer	E-1816SHD
TA144A	Spicer	E-1816SHD
19-853	Spicer	E-1880S
HK24XLSLM	Spicer	E-1887AHD
TA241A	Spicer	E-1887ASHD
24A	Spicer	E-1887ASHD

PART NO.	COMPETITOR	EUCLID NO.
24A-BULK	Spicer	E-1887ASHD
24-1A	Spicer	E-1887ASHD
24-1A-BULK	Spicer	E-1887ASHD
16-563	Spicer	E-1893
16565	Spicer	E-1893
16-565	Spicer	E-1893S
13-451	Spicer	E-1901
13-452	Spicer	E-1902
13-453	Spicer	E-1903
13-454	Spicer	E-1904
13-455	Spicer	E-1905
13-456	Spicer	E-1906
13-457	Spicer	E-1907
13-458	Spicer	E-1908
13-459	Spicer	E-1909
13-460	Spicer	E-1910
13-461	Spicer	E-1911
13-462	Spicer	E-1912
13-463	Spicer	E-1913
13-464	Spicer	E-1914
13-465	Spicer	E-1915
13-466	Spicer	E-1916
13-467	Spicer	E-1917
13-468	Spicer	E-1918
13-469	Spicer	E-1919
13-470	Spicer	E-1920
13-471	Spicer	E-1921
13-472	Spicer	E-1922
13-473	Spicer	E-1923
13-474	Spicer	E-1924
13-475	Spicer	E-1925
13-476	Spicer	E-1926
13-477	Spicer	E-1927
13-478	Spicer	E-1928
13-488	Spicer	E-1929
13-489	Spicer	E-1930
13-490	Spicer	E-1931
13-479	Spicer	E-1932
13-480	Spicer	E-1933
13-481	Spicer	E-1934
13-485	Spicer	E-1935
13-486	Spicer	E-1936
13-487	Spicer	E-1937
M10HP103	Spicer	E-2029
15-538	Spicer	E-2029
HK45XLS	Spicer	E-2030HD
M10LK105X	Spicer	E-2030HD
TA42A	Spicer	E-2030HD

PART NO.	COMPETITOR	EUCLID NO.
42A	Spicer	E-2030HD
43-7034	Spicer	E-2086B
43-7035	Spicer	E-2086B
43-7029	Spicer	E-2087
43-7044	Spicer	E-2088A
43-7042	Spicer	E-2089
43-7039	Spicer	E-2090
M12WR101	Spicer	E-2091
10-353	Spicer	E-2091
10-353-BULK	Spicer	E-2091
2-134	Spicer	E-2096
17-623	Spicer	E-2099
17-622	Spicer	E-2100
M10WJ107	Spicer	E-2102
27-1195	Spicer	E-2102
M12WH112X	Spicer	E-2103
30-1347	Spicer	E-2103
M16WH101X	Spicer	E-2104
M16WH113X	Spicer	E-2104
30-1357	Spicer	E-2104
11090	Spicer	E-2119
HK17XLS	Spicer	E-2121
TA18A	Spicer	E-2121
17-1A	Spicer	E-2121
18 A	Spicer	E-2121
17-1A	Spicer	E-2121SHD
43-7038	Spicer	E-2122
43-7042	Spicer	E-2123
43-7041	Spicer	E-2125
HK40	Spicer	E-2126
TA40A	Spicer	E-2126
40A	Spicer	E-2126
1-121	Spicer	E-2144
32-1438	Spicer	E-2176
19-912	Spicer	E-2177
32-1428	Spicer	E-2177
32-1441	Spicer	E-2217A
M16HD102	Spicer	E-2218
43-7037	Spicer	E-2282
TA41A	Spicer	E-2286
41A	Spicer	E-2286
MK101	Spicer	E-2287
M16KY100	Spicer	E-2287
43-7032	Spicer	E-2287
43-7035	Spicer	E-2287
28-1255	Spicer	E-2291
12423	Spicer	E-2299
12419	Spicer	E-2305

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
10-012	Spicer	E-2307
27-1197	Spicer	E-2361
43-7044A	Spicer	E-2363
30-1385	Spicer	E-2365
28-1252	Spicer	E-2380
43-7037	Spicer	E-2382
16-564	Spicer	E-2389
C67473	Spicer	E-2390
M10WJ108	Spicer	E-2390
15-537	Spicer	E-2390
C67474	Spicer	E-2391
M10HM136	Spicer	E-2391
M10HN136	Spicer	E-2391
35-1581	Spicer	E-2391
C67475	Spicer	E-2392
M10HR104	Spicer	E-2392
34-1527	Spicer	E-2392
C67490	Spicer	E-2395
M10HD101	Spicer	E-2395
32-1445	Spicer	E-2395
C67487	Spicer	E-2396
M10WJ116	Spicer	E-2396
32-1446	Spicer	E-2396
C67471	Spicer	E-2399
C67476	Spicer	E-2399
M10WJ119	Spicer	E-2399
20-882	Spicer	E-2399
M10HR105	Spicer	E-2401
34-1544	Spicer	E-2401
HK43XLS	Spicer	E-2402HD
M12LK101X	Spicer	E-2402HD
45A	Spicer	E-2403HD
M10HS115	Spicer	E-2404
29-1319	Spicer	E-2404
291271	Spicer	E-2405
29-1274	Spicer	E-2405
281275	Spicer	E-2406
29-1275	Spicer	E-2406
291275	Spicer	E-2406
28-1240	Spicer	E-2407
28-1241	Spicer	E-2408
M10HS117	Spicer	E-2409
29-1326	Spicer	E-2409
29-1312	Spicer	E-2411A
291327	Spicer	E-2411A
M16WK10313	Spicer	E-2412A
M16WK110-4	Spicer	E-2412A
M16WK10213	Spicer	E-2413A

PART NO.	COMPETITOR	EUCLID NO.
M16WK111-4	Spicer	E-2413A
15-539	Spicer	E-2414
17-627	Spicer	E-2441B
17-811	Spicer	E-2441B
17-626	Spicer	E-2442B
17-810	Spicer	E-2442B
17-629	Spicer	E-2443B
17-813	Spicer	E-2443B
17-628	Spicer	E-2444B
17-812	Spicer	E-2444B
17-631	Spicer	E-2445B
17-815	Spicer	E-2445B
17-630	Spicer	E-2446B
17-814	Spicer	E-2446B
17-641	Spicer	E-2447A
17-640	Spicer	E-2448A
17-633	Spicer	E-2449A
17-632	Spicer	E-2450A
17642	Spicer	E-2452A
17-643	Spicer	E-2452A
10-355HD	Spicer	E-2458HD
10-355	Spicer	E-2458S
10-355-BULK	Spicer	E-2458S-BK
10-368HD	Spicer	E-2459HD
10-368	Spicer	E-2459S
10-368	Spicer	E-2459S-BK
10-368-BULK	Spicer	E-2459S-BK
M12KY101	Spicer	E-2469
M12KY202	Spicer	E-2469
437031	Spicer	E-2469
43-7033	Spicer	E-2469
19-874	Spicer	E-2475
301368	Spicer	E-2477B
18-804	Spicer	E-2478B
18-805	Spicer	E-2479B
17-698	Spicer	E-2492
17-699	Spicer	E-2493
43-7040	Spicer	E-2494
M10WJ100	Spicer	E-2517
11109	Spicer	E-2517
27-1191	Spicer	E-2517
27-1192	Spicer	E-2517
M10WJ144	Spicer	E-2518A
2-139	Spicer	E-2518A
M12KY100	Spicer	E-2526
43-7031	Spicer	E-2526
43-7033	Spicer	E-2526
28-1260	Spicer	E-2551

PART NO.	COMPETITOR	EUCLID NO.
13-497	Spicer	E-2644
13-504	Spicer	E-2654
13-503	Spicer	E-2655
13-505	Spicer	E-2656
28-1243	Spicer	E-2670
43-7046	Spicer	E-2679A
43-7046A	Spicer	E-2679A
M10KY100	Spicer	E-2680
43-7030	Spicer	E-2680
2-138	Spicer	E-2681A
21-935	Spicer	E-2689
4615RW	Spicer	E-2689
28-1238	Spicer	E-2690A
17-635	Spicer	E-2693
17-634	Spicer	E-2694
27-1196	Spicer	E-2695
43-7043	Spicer	E-2696A
43-7043A	Spicer	E-2696A
18-806	Spicer	E-2700B
18-807	Spicer	E-2701B
HK53	Spicer	E-2713
60A	Spicer	E-2713
18-852	Spicer	E-2714A
18-853	Spicer	E-2715A
29-1282	Spicer	E-2717
29-1306	Spicer	E-2720
15-556	Spicer	E-2722
34-1550	Spicer	E-2723
19-892	Spicer	E-2724
19-893	Spicer	E-2725
29-1331	Spicer	E-2733
HK57	Spicer	E-2740
50-2A	Spicer	E-2740
1-117	Spicer	E-2764
M16WJ105	Spicer	E-2766S
15-542	Spicer	E-2766S
M16WJ101	Spicer	E-2767
19-860	Spicer	E-2767
M16WJ100	Spicer	E-2768
19-856	Spicer	E-2768
19-891	Spicer	E-2770
19-875	Spicer	E-2785
18-740	Spicer	E-2786
18-741	Spicer	E-2787
M12WK100-18	Spicer	E-2792
17-648	Spicer	E-2792
M12WK100-19	Spicer	E-2793
M12WK101-18	Spicer	E-2793

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
17-649	Spicer	E-2793
M16WK10310	Spicer	E-2794
M16WK116	Spicer	E-2794
17-568	Spicer	E-2794
M16WK10210	Spicer	E-2795
M16WK117	Spicer	E-2795
17-569	Spicer	E-2795
M16WK100-12	Spicer	E-2796
M16WK10383	Spicer	E-2796
M16WK110-12	Spicer	E-2796
17-588	Spicer	E-2796
M16WK10283	Spicer	E-2797
M16WK111-12	Spicer	E-2797
17-589	Spicer	E-2797
15-557	Spicer	E-2798
18-726	Spicer	E-2799
18-727	Spicer	E-2800
32-1443	Spicer	E-2802
32-1444	Spicer	E-2803
19-876	Spicer	E-2804
19-877	Spicer	E-2805
33-1493	Spicer	E-2807
TA251A	Spicer	E-2820
25A	Spicer	E-2820
HK26	Spicer	E-2821
26A	Spicer	E-2821
34-1532	Spicer	E-3007A
12-392	Spicer	E-3008
34-1530	Spicer	E-3227
19-883	Spicer	E-3228
291303	Spicer	E-3234
29-1303	Spicer	E-3234
3-607	Spicer	E-3234
53-1A	Spicer	E-3291
437053A	Spicer	E-3353A
43-7061	Spicer	E-3354
HK48XLS-125	Spicer	E-3373HD
HK49-125	Spicer	E-3374HD
32-1463	Spicer	E-3421A
32-1464	Spicer	E-3421A
32-1465	Spicer	E-3421A
15550	Spicer	E-3424
15-550	Spicer	E-3424
34-1549	Spicer	E-3426
34-1552	Spicer	E-3427
19-896	Spicer	E-3437
43-7051	Spicer	E-3446
28-1263	Spicer	E-3447

PART NO.	COMPETITOR	EUCLID NO.
43-7050	Spicer	E-3468A
2291283	Spicer	E-3469
29-1283	Spicer	E-3469
291338	Spicer	E-3471
29-1338	Spicer	E-3471
291333	Spicer	E-3472
29-1333	Spicer	E-3472
29-1325	Spicer	E-3473
291337	Spicer	E-3473
29-1337	Spicer	E-3473
29-1334	Spicer	E-3475
291335	Spicer	E-3477
29-1335	Spicer	E-3477
291339	Spicer	E-3478
29-1339	Spicer	E-3478
29-1345	Spicer	E-3479
19-882	Spicer	E-3481A
32-1468	Spicer	E-3482
321467	Spicer	E-3483
32-1467	Spicer	E-3483
44A	Spicer	E-3484
19-853A	Spicer	E-3490B
M16WJ100	Spicer	E-3490B
32-1458	Spicer	E-3511
19-865	Spicer	E-3512
34-1565	Spicer	E-3513
17-701	Spicer	E-3516
17-700	Spicer	E-3517
HK68	Spicer	E-3518
TA68A	Spicer	E-3518
68A	Spicer	E-3518
43-7037A	Spicer	E-3520A
18-746	Spicer	E-3523
18-747	Spicer	E-3524
HK34SD	Spicer	E-3710HD
HK34XLS	Spicer	E-3710HD
HK34XLS	Spicer	E-3710S
15-536	Spicer	E-3711
M16WB101	Spicer	E-3775
33-1499	Spicer	E-3775
2-133	Spicer	E-3781
HK47XLS-125	Spicer	E-3782
47A	Spicer	E-3782
24-1AF	Spicer	E-3801
M16WK104-17	Spicer	E-3854
16524	Spicer	E-3854
17-481	Spicer	E-3854
M16WK105-17	Spicer	E-3855

PART NO.	COMPETITOR	EUCLID NO.
17-480	Spicer	E-3855
M16WK104-25	Spicer	E-3856
17-483	Spicer	E-3856
M16WK105-25	Spicer	E-3857
17-482	Spicer	E-3857
271203	Spicer	E-3859
30-1375	Spicer	E-3859
17-617	Spicer	E-3861
17-616	Spicer	E-3862
HK77	Spicer	E-3869
34-1561	Spicer	E-3871
19-902	Spicer	E-3872
19-903	Spicer	E-3873
34-1562	Spicer	E-3874
43-7059	Spicer	E-3876
HK74XLS	Spicer	E-3895SHD
43-7047	Spicer	E-3993B
43-7048	Spicer	E-3993B
M16LK103X	Spicer	E-4515P
14-1A	Spicer	E-4515P
HK14XLS	Spicer	E-4515P
14-2A	Spicer	E-4515PHD
14-3A	Spicer	E-4515PHD
14-3A-BULK	Spicer	E-4515PHD
14-4A	Spicer	E-4515PHD
14-4A-BULK	Spicer	E-4515PHD
14A	Spicer	E-4515PHD
HK14SD	Spicer	E-4515PHD
HK29XLS	Spicer	E-4515QHD-N
TA291A	Spicer	E-4515QHD-N
28A	Spicer	E-4515QHD-N
29A	Spicer	E-4515QHD-N
29-1A	Spicer	E-4515QHD-N
29-1A-BULK	Spicer	E-4515QHD-N
30A	Spicer	E-4515QMB-N
30AR	Spicer	E-4515QMB-N
HK29	Spicer	E-4515Q-N
28-1A	Spicer	E-4515Q-N
28-1A-BULK	Spicer	E-4515Q-N
28-1AR	Spicer	E-4515Q-N
28-1AR-BULK	Spicer	E-4515Q-N
E-4515U	Spicer	E-4515U
HK38	Spicer	E-4515U
38A	Spicer	E-4515U
HK34XLS	Spicer	E-4515X
34-1A	Spicer	E-4515X
34-1A-BULK	Spicer	E-4515X
TA341A	Spicer	E-4515XHD

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
34A	Spicer	E-4515XHD
34A-BULK	Spicer	E-4515XHD
30-1364	Spicer	E-4586
30-1392	Spicer	E-4586
30-1391	Spicer	E-4587
30-1399	Spicer	E-4593
30-1398	Spicer	E-4594
HK50	Spicer	E-4691
HK51	Spicer	E-4691
TA511A	Spicer	E-4691
51-1A	Spicer	E-4691
HK52	Spicer	E-4692
TA521A	Spicer	E-4692
52-1A	Spicer	E-4692
18-787	Spicer	E-4702B
18-786	Spicer	E-4703B
18-800	Spicer	E-4705B
18-801	Spicer	E-4705B
18-802	Spicer	E-4706B
18-803	Spicer	E-4707B
18-812	Spicer	E-4708B
18-813	Spicer	E-4709B
63-1A	Spicer	E-4709ES2-N
18-818	Spicer	E-4710B
18-819	Spicer	E-4711B
M16WK1037	Spicer	E-4712
16469	Spicer	E-4712
17-570	Spicer	E-4712
M16WK1027	Spicer	E-4713
16470	Spicer	E-4713
17-571	Spicer	E-4713
17572	Spicer	E-4714
16617	Spicer	E-4714A
16618	Spicer	E-4714A
17-572	Spicer	E-4714A
17573	Spicer	E-4715
16617	Spicer	E-4715A
16618	Spicer	E-4715A
17-573	Spicer	E-4715A
M16WK10326	Spicer	E-4716
16395	Spicer	E-4716
M16WK10226	Spicer	E-4717
16396	Spicer	E-4717
M16WK10388	Spicer	E-4718
17-596	Spicer	E-4718
M16WK10288	Spicer	E-4719
17-597	Spicer	E-4719
17-636	Spicer	E-4720

PART NO.	COMPETITOR	EUCLID NO.
17-637	Spicer	E-4721
17-638	Spicer	E-4722
17-639	Spicer	E-4723
34-1563	Spicer	E-4736
31-1401	Spicer	E-4737A
31-1402	Spicer	E-4738A
31-1405	Spicer	E-4739
18-742	Spicer	E-4740
18-743	Spicer	E-4741
19921	Spicer	E-4800
51-1AK	Spicer	E-4800
16408	Spicer	E-4884
17-595	Spicer	E-4884
16407	Spicer	E-4885
17-594	Spicer	E-4885
18-735	Spicer	E-4886
18-734	Spicer	E-4887
18-749	Spicer	E-4888
18-748	Spicer	E-4889
17-619	Spicer	E-4890
17-618	Spicer	E-4891
17-611	Spicer	E-4892
17-610	Spicer	E-4893
17-715	Spicer	E-4900
17-714	Spicer	E-4901
31-1430	Spicer	E-4934A
31-1406	Spicer	E-4935
541626	Spicer	E-4960
531566	Spicer	E-4963
18-849	Spicer	E-4991
18-848	Spicer	E-4992
18-883	Spicer	E-4993
18-882	Spicer	E-4994
18-881	Spicer	E-4995
18-880	Spicer	E-4996
M10SS100	Spicer	E-501
32-1440	Spicer	E-501
11090	Spicer	E-502
15531	Spicer	E-502
18-854	Spicer	E-5056
18-855	Spicer	E-5057
18-761	Spicer	E-5058
18-767	Spicer	E-5060
18-766	Spicer	E-5061
18-777	Spicer	E-5062
18-776	Spicer	E-5063
18-769	Spicer	E-5066
18-768	Spicer	E-5067

PART NO.	COMPETITOR	EUCLID NO.
34-1547	Spicer	E-5093
M10WJ162	Spicer	E-512
11093	Spicer	E-512
15-525	Spicer	E-512
19-922	Spicer	E-5122
19-923	Spicer	E-5123
28-1264	Spicer	E-5127
29-1285	Spicer	E-5128
18-763	Spicer	E-5129
15-526	Spicer	E-512S
15-528	Spicer	E-512S
18-762	Spicer	E-5130
18-771	Spicer	E-5131
18-770	Spicer	E-5132
18-773	Spicer	E-5133
18-772	Spicer	E-5134
18-775	Spicer	E-5135
18-774	Spicer	E-5136
29-1344	Spicer	E-5137
29-1346	Spicer	E-5138
HK54	Spicer	E-5139
TA54A	Spicer	E-5139
43-7060	Spicer	E-5140
M16WJ104	Spicer	E-523
32-1425	Spicer	E-523
29-1301	Spicer	E-526
M10HR102	Spicer	E-527
34-1526	Spicer	E-527
M10WJ151	Spicer	E-5304
M10WJ150	Spicer	E-5305
43-7062	Spicer	E-5307
27-1200	Spicer	E-535
11008	Spicer	E-536
28-1233	Spicer	E-536
28-1244	Spicer	E-536
M10HR119	Spicer	E-537
11004	Spicer	E-537
35-1576	Spicer	E-537
35-1579	Spicer	E-537
M10HR123	Spicer	E-538
11006	Spicer	E-538
34-1528	Spicer	E-538
M16WJ103	Spicer	E-539
11229	Spicer	E-539
34-1529	Spicer	E-539
M10HN101	Spicer	E-540
12391	Spicer	E-540
12-407	Spicer	E-540

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
19-878	Spicer	E-543
M10WJ154	Spicer	E-544
M10WJ135	Spicer	E-545A
11227	Spicer	E-545A
19-852	Spicer	E-545A
32-1471	Spicer	E-5477
34-1570	Spicer	E-5478
HK63	Spicer	E-5481A
HK63XLS	Spicer	E-5481A
TA63A	Spicer	E-5481A
18-941	Spicer	E-5490
18-940	Spicer	E-5491
18-943	Spicer	E-5492
18-983	Spicer	E-5492
18-942	Spicer	E-5493
18-982	Spicer	E-5493
17-461	Spicer	E-5494
17-663	Spicer	E-5494
17-460	Spicer	E-5495
17-662	Spicer	E-5495
17-463	Spicer	E-5496
17-665	Spicer	E-5496
17-462	Spicer	E-5497
17-664	Spicer	E-5497
HK27	Spicer	E-5499
27A	Spicer	E-5499
43-7069	Spicer	E-5501
18-931	Spicer	E-5504A
18-930	Spicer	E-5505A
17-721	Spicer	E-5506
17-720	Spicer	E-5507
17-659	Spicer	E-5508
17-723	Spicer	E-5508
17-658	Spicer	E-5509
17-722	Spicer	E-5509
17-661A	Spicer	E-5510
17-725	Spicer	E-5510
17-660A	Spicer	E-5511
17-724	Spicer	E-5511
HK32SD	Spicer	E-5515
29XL	Spicer	E-5515
M16WKL10-175	Spicer	E-5516
M16WLR10-175	Spicer	E-5516
17-517	Spicer	E-5516
M16WKR10-175	Spicer	E-5517
17-516	Spicer	E-5517
M16WKL10-205	Spicer	E-5518
17-505	Spicer	E-5518

PART NO.	COMPETITOR	EUCLID NO.
M16WKR10-205	Spicer	E-5519
17-504	Spicer	E-5519
M16WKL10-236	Spicer	E-5520
17-509	Spicer	E-5520
M16WKR10-236	Spicer	E-5521
17-508	Spicer	E-5521
M16WKL20-175	Spicer	E-5522
17-513	Spicer	E-5522
M16WKR20-175	Spicer	E-5523
17-512	Spicer	E-5523
M16WKL20-205	Spicer	E-5524
17-501	Spicer	E-5524
M16WKR20-205	Spicer	E-5525
17-500	Spicer	E-5525
M16WKL20-236	Spicer	E-5526
17-503	Spicer	E-5526
M16WKR20-236	Spicer	E-5527
17-502	Spicer	E-5527
18-897	Spicer	E-5529
18-896	Spicer	E-5530
M10HN153	Spicer	E-563
11005	Spicer	E-563
35-1577	Spicer	E-563
M10HN139	Spicer	E-564
29-1309	Spicer	E-564
52-1381	Spicer	E-5783
52-1381	Spicer	E-5784A
M10HM130	Spicer	E-579A
34-1539	Spicer	E-579A
29-1307	Spicer	E-580
29-1308	Spicer	E-581
M16WJ114	Spicer	E-586
32-1427	Spicer	E-586
32-1441	Spicer	E-595
321442	Spicer	E-596A
M10WJ182	Spicer	E-602
28-1258	Spicer	E-602
30-1362	Spicer	E-603
30-1381	Spicer	E-6076
43-7072A	Spicer	E-6078
15-560	Spicer	E-608
M10WJ164	Spicer	E-609
15-529	Spicer	E-609
M16WKL10-231	Spicer	E-6101
17-519	Spicer	E-6101
M16WKR10-231	Spicer	E-6102
17-518	Spicer	E-6102
M16WKL10-245	Spicer	E-6103

PART NO.	COMPETITOR	EUCLID NO.
17-555	Spicer	E-6103
M16WKR10-245	Spicer	E-6104
17-554	Spicer	E-6104
10-384	Spicer	E-6109
10-383	Spicer	E-6110
M16WR100	Spicer	E-612HD
10-351HD	Spicer	E-612HD
10-393-BULK	Spicer	E-612HD-BK
10-351	Spicer	E-612S
M10WR119	Spicer	E-612S
10-351-BULK	Spicer	E-612S-BK
36-1657	Spicer	E-632
M10HH134	Spicer	E-654
29-1270	Spicer	E-654
291281	Spicer	E-654
M10HN152	Spicer	E-656
11009	Spicer	E-656
29-1310	Spicer	E-656
291341	Spicer	E-656
M10WJ178	Spicer	E-661
11019	Spicer	E-661
28-1257	Spicer	E-661
28-1239	Spicer	E-662
28-1234	Spicer	E-667
405106	Spicer	E-667
M16WK102-19	Spicer	E-684
17-582	Spicer	E-684
M16WK103-19	Spicer	E-685
17-583	Spicer	E-685
M16WK102-9	Spicer	E-686
17-576	Spicer	E-686
M16WK103-9	Spicer	E-687
17-577	Spicer	E-687
TA51A	Spicer	E-6879
51-1A	Spicer	E-6879
M16WK10212	Spicer	E-688
17578	Spicer	E-688
M16WK104-23	Spicer	E-6884
16656	Spicer	E-6884
17-485	Spicer	E-6884
M16WK105-23	Spicer	E-6885
16655	Spicer	E-6885
17-484	Spicer	E-6885
M16WK10312	Spicer	E-689
17579	Spicer	E-689
17-598	Spicer	E-690
17-599	Spicer	E-691
28-1246	Spicer	E-712

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
34-1558	Spicer	E-714
M10SS100	Spicer	E-719
29-1311	Spicer	E-719
122A	Spicer	E-7212A
121A	Spicer	E-7213A
120A	Spicer	E-7214A
M16WK102-29	Spicer	E-7217
17-591	Spicer	E-7217
M16WK103-29	Spicer	E-7218
17-590	Spicer	E-7218
17-593	Spicer	E-7219
17-592	Spicer	E-7220
HK70	Spicer	E-7231
70A	Spicer	E-7231
43-7064	Spicer	E-7235
HK71	Spicer	E-7237
71-1A	Spicer	E-7237
M16WJ102	Spicer	E-747
11228	Spicer	E-747
20-881	Spicer	E-747
19-870	Spicer	E-752
C67492	Spicer	E-757
M10WJ118	Spicer	E-757
19-862	Spicer	E-757
28-1232	Spicer	E-759
12200	Spicer	E-773
34-1540	Spicer	E-773
500539-5	Spicer	E-773
5005395	Spicer	E-773
31624	Spicer	E-801
34-1525	Spicer	E-801
M16HD100	Spicer	E-807
28-1231	Spicer	E-807
M16TF101	Spicer	E-864
6-261	Spicer	E-864
M16WB100	Spicer	E-886
33-1477	Spicer	E-886
33-1478	Spicer	E-886
TA65A	Spicer	E-8923
TA67A	Spicer	E-8925
18-973	Spicer	E-9030
18-972	Spicer	E-9031
HK72	Spicer	E-9048
43-7068	Spicer	E-9053
17-473	Spicer	E-9059
17-472	Spicer	E-9060
TA66A	Spicer	E-9064
18-937	Spicer	E-9065

PART NO.	COMPETITOR	EUCLID NO.
18-936	Spicer	E-9065
18-936	Spicer	E-9066
18-937	Spicer	E-9066
19913	Spicer	E-9069
HK80XLS	Spicer	E-9070
80A	Spicer	E-9070
43-7071	Spicer	E-9078HD
M16WK10276	Spicer	E-9089
17585	Spicer	E-9089
M16WK10376	Spicer	E-9090
17584	Spicer	E-9090
M16WKL20-173	Spicer	E-9096
M16WKR20-173	Spicer	E-9097
M16WKL20-231	Spicer	E-9098
17-511	Spicer	E-9098
M16WKR20-231	Spicer	E-9099
17-510	Spicer	E-9099
291305	Spicer	E-910
29-1315	Spicer	E-910
38038	Spicer	E-910
M16WKL20-242	Spicer	E-9100
17-515	Spicer	E-9100
M16WKR20-242	Spicer	E-9101
17-514	Spicer	E-9101
16-562	Spicer	E-919
16-561	Spicer	E-920
16-561	Spicer	E-920S
M12WKL10163	Spicer	E-9263
17-735	Spicer	E-9263
M12WKR10163	Spicer	E-9264
17-734	Spicer	E-9264
M12WKL10191	Spicer	E-9265
M12WKR10191	Spicer	E-9266
M12WKL10206	Spicer	E-9267
M16WKL10-206	Spicer	E-9267
M12WKR10206	Spicer	E-9268
M12WKL10214	Spicer	E-9269
M12WKR10214	Spicer	E-9270
M12WKL10222	Spicer	E-9271
M12WKR10222	Spicer	E-9272
M12WKL10233	Spicer	E-9273
M12WR10-233	Spicer	E-9273
17-739	Spicer	E-9273
17-761	Spicer	E-9273
M12WKR10233	Spicer	E-9274
M12WL10-233	Spicer	E-9274
17-738	Spicer	E-9274
17-760	Spicer	E-9274

PART NO.	COMPETITOR	EUCLID NO.
M12WKL10236	Spicer	E-9275
M12WKR10236	Spicer	E-9276
M12WKL10241	Spicer	E-9277
M12WKR10241	Spicer	E-9278
M12WKL10264	Spicer	E-9279
M12WKR10264	Spicer	E-9280
HK48XLS-150	Spicer	E-9281
10-354	Spicer	E-940HD
10-354HD	Spicer	E-940HD
10-366	Spicer	E-940HD
10-366-BULK	Spicer	E-940HD-BK
10-354	Spicer	E-940S
10-854	Spicer	E-940S
10854	Spicer	E-940S
28-1235	Spicer	E-943
28-1236	Spicer	E-943
M16WS135X	Spicer	E-957
36-1645	Spicer	E-957
36-1647	Spicer	E-957
19-910	Spicer	E-9643
HK81XLS	Spicer	E-9644
81A	Spicer	E-9644
18-501	Spicer	E-9645
18-500	Spicer	E-9646
18-503	Spicer	E-9647
18-861	Spicer	E-9647
18-502	Spicer	E-9648
18-860	Spicer	E-9648
18-505	Spicer	E-9649
18-825	Spicer	E-9649
18-504	Spicer	E-9650
18-824	Spicer	E-9650
18-851	Spicer	E-9651
18-850	Spicer	E-9652
18-509	Spicer	E-9653
18-865	Spicer	E-9653
18-508	Spicer	E-9654
18-864	Spicer	E-9654
18-511	Spicer	E-9655
18-510	Spicer	E-9656
18826	Spicer	E-9656
18-829	Spicer	E-9657
18-828	Spicer	E-9658
18-517	Spicer	E-9659
18-831	Spicer	E-9659
18-516	Spicer	E-9660
18-830	Spicer	E-9660
18-519	Spicer	E-9661

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
18-833	Spicer	E-9661
18-518	Spicer	E-9662
18-832	Spicer	E-9662
18-521	Spicer	E-9663
18-867	Spicer	E-9663
18-520	Spicer	E-9664
18-866	Spicer	E-9664
18-523	Spicer	E-9665
18-522	Spicer	E-9666
18-869	Spicer	E-9667
18-868	Spicer	E-9668
18837	Spicer	E-9669
18836	Spicer	E-9670
18-529	Spicer	E-9671
18-821	Spicer	E-9671
18-528	Spicer	E-9672
18-820	Spicer	E-9672
18-531	Spicer	E-9673A
18823	Spicer	E-9673A
18-823	Spicer	E-9673A
18-530	Spicer	E-9674A
18822	Spicer	E-9674A
18-822	Spicer	E-9674A
18-535	Spicer	E-9675
18835	Spicer	E-9675
18-839	Spicer	E-9675
18-534	Spicer	E-9676
18834	Spicer	E-9676
18-838	Spicer	E-9676
18-537	Spicer	E-9677
18-781	Spicer	E-9677
18-536	Spicer	E-9678
18-539	Spicer	E-9679
18-538	Spicer	E-9680
18-543	Spicer	E-9683
18-542	Spicer	E-9684
18-725	Spicer	E-9689A
18-724	Spicer	E-9690A
18-871	Spicer	E-9693
18-870	Spicer	E-9694
18-857	Spicer	E-9695
18-856	Spicer	E-9696
18-859	Spicer	E-9697
18-858	Spicer	E-9698
18-873	Spicer	E-9699
18-872	Spicer	E-9700
18-875	Spicer	E-9701
18-874	Spicer	E-9702

PART NO.	COMPETITOR	EUCLID NO.
18-877	Spicer	E-9703
18-949	Spicer	E-9703
18-876	Spicer	E-9704
18-948	Spicer	E-9704
18-893	Spicer	E-9707
18-892	Spicer	E-9708
18-901	Spicer	E-9711
18-900	Spicer	E-9712
M16WK104-10	Spicer	E-9725
M16WK105-10	Spicer	E-9726
M16WKL10-242	Spicer	E-9727
17-507	Spicer	E-9727
M16WKR10-242	Spicer	E-9728
17-506	Spicer	E-9728
M16WKL20-271	Spicer	E-9729
17-523	Spicer	E-9729
M16WKR20-271	Spicer	E-9730
17-522	Spicer	E-9730
M16WKL25-175	Spicer	E-9731
17-915	Spicer	E-9731
M16WKR25-175	Spicer	E-9732
17-914	Spicer	E-9732
M16WKL25-205	Spicer	E-9733
17-921	Spicer	E-9733
M16WKR25-205	Spicer	E-9734
17-920	Spicer	E-9734
M16WKL25-236	Spicer	E-9735
17-929	Spicer	E-9735
M16WKR25-236	Spicer	E-9736
17-928	Spicer	E-9736
M16WKL25-271	Spicer	E-9737
17-941	Spicer	E-9737
M16WKR25-271	Spicer	E-9738
17-940	Spicer	E-9738
M16WKL10-196	Spicer	E-9739
17-537	Spicer	E-9739
M16WKR10-196	Spicer	E-9740
17-536	Spicer	E-9740
M16WKL10-264	Spicer	E-9741
17-557	Spicer	E-9741
M16WKR10-264	Spicer	E-9742
17-556	Spicer	E-9742
M12WK101-11	Spicer	E-9743
M12WK107-1	Spicer	E-9743
M12WK100-11	Spicer	E-9744
M12WK106-1	Spicer	E-9744
M12WK101-16	Spicer	E-9745
M12WK107-7	Spicer	E-9745

PART NO.	COMPETITOR	EUCLID NO.
M12WK100-16	Spicer	E-9746
M12WK101-22	Spicer	E-9747
M12WK107-13	Spicer	E-9747
M12WK100-22	Spicer	E-9748
M12WK106-13	Spicer	E-9748
M12WKL10-175	Spicer	E-9751
17-737	Spicer	E-9751
M12WKR10-175	Spicer	E-9752
17-736	Spicer	E-9752
M12WKL20-214	Spicer	E-9755
M12WKR20-214	Spicer	E-9756
M12WKL20-222	Spicer	E-9757
M12WKR20-222	Spicer	E-9758
M12WKL20-233	Spicer	E-9759
17-783	Spicer	E-9759
M12WKR20-233	Spicer	E-9760
17-782	Spicer	E-9760
18-736	Spicer	E-9766
18-985	Spicer	E-9769
18-984	Spicer	E-9770
18-945	Spicer	E-9771
18-944	Spicer	E-9772
M12WHR50-L	Spicer	E-9785A
M12WHR50-R	Spicer	E-9786A
M16D106	Spicer	E-9789
19-890	Spicer	E-979
M10KY105	Spicer	E-9790A
437090	Spicer	E-9791
19-884	Spicer	E-980
10287	Spicer	E-573
531539	Spicer	E-4990A
12-392	Spicer	E-573
12-405	Spicer	E-620
12-409	Spicer	E-2418
12-411	Spicer	E-2420
12-414	Spicer	E-2423
12-416	Spicer	E-2425
12-427	Spicer	E-2300
12-430	Spicer	E-3510
12-432	Spicer	E-2659
12-433	Spicer	E-2658
12-448	Spicer	E-2662
12-449	Spicer	E-2663
12-454	Spicer	E-3502
12-461	Spicer	E-618
12-462	Spicer	E-617
12-463	Spicer	E-619
1308E	Spicer	E-5126

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
19-894	Spicer	E-2726
21-855	Spicer	E-5503
21-877	Spicer	E-5126
21-883	Spicer	E-5303A
21-885	Spicer	E-3417
21-898	Spicer	E-2778
21-900	Spicer	E-3920
21-900A	Spicer	E-3920
21-904	Spicer	E-3522
21-915	Spicer	E-2801
21-926	Spicer	E-2474
21-931	Spicer	E-2393
21-932	Spicer	E-2394
21-972	Spicer	E-2687
21-978	Spicer	E-5528
23-1026	Spicer	E-541
24-1056	Spicer	E-797X
24-1057	Spicer	E-636X
24-1058	Spicer	E583X
24-1059	Spicer	E-633X
24-1060	Spicer	E-634X
24-1061	Spicer	E-917X
24-1062	Spicer	E-918X
24-1065	Spicer	E-798X
24-1066	Spicer	E-628X
24-1067	Spicer	E-635X
34-1545	Spicer	E-937
34-1546	Spicer	E-3975
4515Q	Spicer	E-2778
4515Q-BULK	Spicer	E-2778
4515X3	Spicer	E-3920
4515X3-BULK	Spicer	E-3920
4524P	Spicer	E-2687
4536S	Spicer	E-2393
4551Q	Spicer	E-3522
4591S	Spicer	E-2394
4670FT	Spicer	E-2394
4692FC	Spicer	E-5303A
4707R	Spicer	E-5503
4707XT	Spicer	E-5503
48-2201	Spicer	E-700
50-1041L	Spicer	E-5876-L
50-1041R	Spicer	E-5876-R
51-1019R	Spicer	E-5578-R
51-1403	Spicer	E-6053
52-1358	Spicer	E-5974
52-1380	Spicer	E-5781
52-1382	Spicer	E-5821

PART NO.	COMPETITOR	EUCLID NO.
52-1392	Spicer	E-5827
52-1394	Spicer	E-5828
52-1400	Spicer	E-5976
52-1410	Spicer	E-5953
52-1411	Spicer	E-5973
52-1430	Spicer	E-5902
52-1436	Spicer	E-5838
52-1441	Spicer	E-5926
54-1606	Spicer	E-5798
54-1618	Spicer	E-5954
54-1642	Spicer	E-5962
54-1643	Spicer	E-5963
585ST	Spicer	E-5528
7-281	Spicer	E-2341
8-293	Spicer	E-975
M10HN100	Spicer	E-573
M10HN104	Spicer	E-619
M10HN105	Spicer	E-617
M10HN107	Spicer	E-618
M12WS122X	Spicer	E-2393
M12WS127	Spicer	E-2394
M12WS129X	Spicer	E-5303A
M12WS149X	Spicer	E-5303A
M16WS103X	Spicer	E-2778
208105	Standard Forge	E-1025
103105	Standard Forge	E-1087
202100-236R	Standard Forge	E-1094
202100-236L	Standard Forge	E-1095
403104	Standard Forge	E-1106
402101	Standard Forge	E-1107
200999-002	Standard Forge	E-1108
203109	Standard Forge	E-1112A
409100	Standard Forge	E-1269
999100	Standard Forge	E-1289
403112	Standard Forge	E-1408
UB-22-64R	Standard Forge	E-1410
202103-213R	Standard Forge	E-1410
202103-213RH	Standard Forge	E-1410
UB-22-64L	Standard Forge	E-1411
202103-213L	Standard Forge	E-1411
202103-213LH	Standard Forge	E-1411
408101	Standard Forge	E-1416
UB-22-23R	Standard Forge	E-1420
202103-241R	Standard Forge	E-1420
202-103-241R	Standard Forge	E-1420
202103-241RH	Standard Forge	E-1420
UB-22-23L	Standard Forge	E-1421
202-103-241L	Standard Forge	E-1421

PART NO.	COMPETITOR	EUCLID NO.
202103-241L	Standard Forge	E-1421
202103-241LH	Standard Forge	E-1421
UB-24-15R	Standard Forge	E-1422
202103-233R	Standard Forge	E-1422
202103-233RH	Standard Forge	E-1422
UB-24-15L	Standard Forge	E-1423
202103-233L	Standard Forge	E-1423
202103-233LH	Standard Forge	E-1423
202100-205L	Standard Forge	E-1424A
202100-205R	Standard Forge	E-1424A
202100-205L	Standard Forge	E-1425A
202100-205R	Standard Forge	E-1425A
409100	Standard Forge	E-1426
UB2212	Standard Forge	E-1808
UB4500	Standard Forge	E-1808
4500	Standard Forge	E-1808
UB-2304	Standard Forge	E-1813
UB-3003-1	Standard Forge	E-1813
402136	Standard Forge	E-1828
208102	Standard Forge	E-1880B
203105-003	Standard Forge	E-2029
203205-003	Standard Forge	E-2029
203105003	Standard Forge	E-2029
212111	Standard Forge	E-2091
208105	Standard Forge	E-2101
405128	Standard Forge	E-2102
209999-019	Standard Forge	E-2103
209999019	Standard Forge	E-2103
209108-001	Standard Forge	E-2104
209999-018	Standard Forge	E-2104
209108001	Standard Forge	E-2104
209999018	Standard Forge	E-2104
203100-001	Standard Forge	E-2119
204100-001	Standard Forge	E-2176
204101-001	Standard Forge	E-2177
405101	Standard Forge	E-2218
105106	Standard Forge	E-2237
209108-001	Standard Forge	E-2365
209108001	Standard Forge	E-2365
405131	Standard Forge	E-2389
203108	Standard Forge	E-2390
203112-001	Standard Forge	E-2390
403147	Standard Forge	E-2391
214107	Standard Forge	E-2392
204108-001	Standard Forge	E-2395
204108001	Standard Forge	E-2395
205107-001	Standard Forge	E-2396
205107001	Standard Forge	E-2396

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
208106	Standard Forge	E-2398
207100	Standard Forge	E-2399
405131	Standard Forge	E-2399
999197	Standard Forge	E-2401
403150	Standard Forge	E-2404
403149	Standard Forge	E-2409
202100-185R	Standard Forge	E-2412A
202100-187R	Standard Forge	E-2412A
202100187R	Standard Forge	E-2412A
202100-185L	Standard Forge	E-2413A
202100-187L	Standard Forge	E-2413A
202100187L	Standard Forge	E-2413A
405125	Standard Forge	E-2477B
210172-001	Standard Forge	E-2518A
210128	Standard Forge	E-2681A
202103-247R	Standard Forge	E-2792
202103-247L	Standard Forge	E-2793
202100-175R	Standard Forge	E-2794
202100-175L	Standard Forge	E-2795
202100-245R	Standard Forge	E-2796
202100-245L	Standard Forge	E-2797
105107	Standard Forge	E-3008
UB-1165	Standard Forge	E-3775
UB-1172	Standard Forge	E-3775
UB-5102	Standard Forge	E-3775
211102-001	Standard Forge	E-3775
202100177L	Standard Forge	E-4714A
202100177R	Standard Forge	E-4715A
202100-242L	Standard Forge	E-4716
202100242R	Standard Forge	E-4716
202100242L	Standard Forge	E-4717
202100-242R	Standard Forge	E-4717
999195-205	Standard Forge	E-4737A
999195-206	Standard Forge	E-4738A
205100-001	Standard Forge	E-501
203100-001	Standard Forge	E-502
203100002	Standard Forge	E-502
203100-002	Standard Forge	E-502
203102-001	Standard Forge	E-512
204101-001	Standard Forge	E-523
214102	Standard Forge	E-527
203113-001	Standard Forge	E-5304
208106	Standard Forge	E-5305
405125	Standard Forge	E-535
405126	Standard Forge	E-536
409100	Standard Forge	E-537
214106	Standard Forge	E-538
214103	Standard Forge	E-539

PART NO.	COMPETITOR	EUCLID NO.
103103002	Standard Forge	E-540
208104	Standard Forge	E-544
208102	Standard Forge	E-545A
405126	Standard Forge	E-5512
3011102L	Standard Forge	E-5556-L
3011102R	Standard Forge	E-5556-R
3011101L	Standard Forge	E-5558-L
3011101R	Standard Forge	E-5558-R
202100-205R	Standard Forge	E-556
3011105L	Standard Forge	E-5560-L
3011105R	Standard Forge	E-5560-R
3011104L	Standard Forge	E-5561-L
3011104R	Standard Forge	E-5561-R
202100-205L	Standard Forge	E-557
303109	Standard Forge	E-5576-L
303108	Standard Forge	E-5576-R
303111	Standard Forge	E-5579-L
303110	Standard Forge	E-5579-R
3011106L	Standard Forge	E-5585-L
3011106R	Standard Forge	E-5585-R
403101	Standard Forge	E-563
403107	Standard Forge	E-564
303107	Standard Forge	E-5652-L
303106	Standard Forge	E-5652-R
3011371L	Standard Forge	E-5713-L
3011371R	Standard Forge	E-5713-R
3011373L	Standard Forge	E-5716-L
3011373R	Standard Forge	E-5716-R
103102001	Standard Forge	E-572
3011161	Standard Forge	E-5724
303119	Standard Forge	E-5734
400103	Standard Forge	E-579A
3011121	Standard Forge	E-5816
204105	Standard Forge	E-586
303105	Standard Forge	E-5977-L
303104	Standard Forge	E-5977-R
UB-1126	Standard Forge	E-602
405123	Standard Forge	E-602
UB1126	Standard Forge	E-602
203106	Standard Forge	E-609
212102	Standard Forge	E-612HD
212116	Standard Forge	E-612HD
210128	Standard Forge	E-631
408100	Standard Forge	E-654
408103	Standard Forge	E-654
403108	Standard Forge	E-656
405109	Standard Forge	E-661
405126	Standard Forge	E-661

PART NO.	COMPETITOR	EUCLID NO.
405129	Standard Forge	E-661
405106	Standard Forge	E-667
202100-166R	Standard Forge	E-686
202100-166L	Standard Forge	E-687
202100-185R	Standard Forge	E-688A
202100185R	Standard Forge	E-688A
202100-185L	Standard Forge	E-689A
202100185L	Standard Forge	E-689A
403105	Standard Forge	E-719
207102	Standard Forge	E-747
208106	Standard Forge	E-757
405129	Standard Forge	E-759
400101	Standard Forge	E-773
303101	Standard Forge	E-7895-L
303100	Standard Forge	E-7895-R
214100	Standard Forge	E-801
405133	Standard Forge	E-807
102102-002	Standard Forge	E-864
UB-1165	Standard Forge	E-886
UB-1172	Standard Forge	E-886
UB-5102	Standard Forge	E-886
211102-001	Standard Forge	E-886
3011351L	Standard Forge	E-8946-L
3011351R	Standard Forge	E-8946-R
202100225L	Standard Forge	E-9089
202100225R	Standard Forge	E-9090
21404	Standard Forge	E-910
200999-010	Standard Forge	E-957
202103191L	Standard Forge	E-9743
202103191R	Standard Forge	E-9744
202103222L	Standard Forge	E-9745
202103222R	Standard Forge	E-9746
105102	Standard Forge	E-617
105103	Standard Forge	E-619
105107	Standard Forge	E-573
201140	Standard Forge	E-2394
201142	Standard Forge	E-2393
204102	Standard Forge	E-5303A
304104	Standard Forge	E-975
400102	Standard Forge	E-797X
400143	Standard Forge	E-633X
400144	Standard Forge	E-634X
405101	Standard Forge	E-541
103100-001	Standard Forge	E-618
A170074	Standard Forge	E-975
MK24100S	Stemco	E-6987B
MK24300S	Stemco	E-6988B
MK25100S	Stemco	E-6989B

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
MK25300S	Stemco	E-6990B
MK21103S	Stemco	E-6991B
MK21102S	Stemco	E-6992B
MK22103S	Stemco	E-6993B
MK22102S	Stemco	E-6994B
MK23103S	Stemco	E-6995B
MK23102S	Stemco	E-6996B
BSK1650E2	Stemco	E-10244
SK1650E2	Stemco	E-10244
BSK1650E2HC	Stemco	E-10760
SK1650E2HC	Stemco	E-10760
MK42100S	Stemco	E-10779A
MK42106S	Stemco	E-10781A
MK41106S	Stemco	E-10782A
MK23106S	Stemco	E-10783A
MK34100S	Stemco	E-10784A
BSK1225DXPQ	Stemco	E-10875
SK1225DXPQ	Stemco	E-10875
MK22153S	Stemco	E-10949B
MK21153S	Stemco	E-10950B
MK42101S	Stemco	E-11873
MK35100S	Stemco	E-11877
MK35200S	Stemco	E-11879
MK34200S	Stemco	E-11880
BSK1500E	Stemco	E-1308E
SK1500E	Stemco	E-1308E
BSK1650PHD	Stemco	E-1816HD
SK1650PHD	Stemco	E-1816HD
BSK1650E	Stemco	E-1887AHD
SK1650E	Stemco	E-1887AHD
448-4864	Stemco	E-1906
449-4904	Stemco	E-1915
448-4839	Stemco	E-1922
449-4974	Stemco	E-1925
449-4975	Stemco	E-1925
SK4607C	Stemco	E-2030HD
SK1225E	Stemco	E-2126
SK1225SF	Stemco	E-2402HD
SK1225SCF	Stemco	E-2403HD
SK1800EC	Stemco	E-2821
SK1225DP	Stemco	E-3373HD
BSK1225Q	Stemco	E-3484
SK1225Q	Stemco	E-3484
BSK1650X3HD	Stemco	E-3710HD
SK1650X3HD	Stemco	E-3710HD
SK1225U	Stemco	E-3782
SK1650EHM	Stemco	E-3801
BSK1500Q	Stemco	E-3869

PART NO.	COMPETITOR	EUCLID NO.
SK1500Q	Stemco	E-3869
BSK1650E	Stemco	E-4311EHD-N
SK1650E	Stemco	E-4311EHD-N
BSK1650PHD	Stemco	E-4515P
SK1650PHD	Stemco	E-4515P
BSK1650PHD	Stemco	E-4515PHD
SK1650PHD	Stemco	E-4515PHD
BSK1650X3HD	Stemco	E-4515X
SK1650X3HD	Stemco	E-4515X
BSK1650X3HD	Stemco	E-4515XHD
SK1650X3HD	Stemco	E-4515XHD
SK1500T	Stemco	E-4691
BSK1500QP	Stemco	E-4702-KT
SK1500QP	Stemco	E-4702-KT
BSK1650E2	Stemco	E-4709ES2-N
SK1650E2	Stemco	E-4709ES2-N
BSK1650E1	Stemco	E-4709ES-N
SK1650E1	Stemco	E-4709ES-N
BSK1500E	Stemco	E-5139
SK1500E	Stemco	E-5139
BSK1650E1	Stemco	E-5481A
SK1650E1	Stemco	E-5481A
SK1650XL	Stemco	E-5515
SK4693BQ	Stemco	E-7231
SK1650BQ	Stemco	E-7237
SK4717E	Stemco	E-9039
BSK1500QP	Stemco	E-9064
SK1500QP	Stemco	E-9064
SK4716E	Stemco	E-9141
SK1225DPOR	Stemco	E-9281
SK1225UOR	Stemco	E-9283
BSK1650QFR	Stemco	E-9644
SK1650QFR	Stemco	E-9644
4474723	Stemco	MER614723
4474743	Stemco	MER614743
4484836	Stemco	MER614836
4484837	Stemco	MER614837
4494973	Stemco	MER614973
ASET049-011	Stemco	SET413
ASET248-210	Stemco	SET414
ASET445-410	Stemco	SET415
SET049-011	Stemco	SET413
SET248-210	Stemco	SET414
SET445-410	Stemco	SET415
52411	Tramec	E-4904S
54004R	Tramec	E-1094
54005L	Tramec	E-1095
54040R	Tramec	E-1147C

PART NO.	COMPETITOR	EUCLID NO.
54041L	Tramec	E-1148C
53312	Tramec	E-12S
53314	Tramec	E-12S
54030R	Tramec	E-1393
54031L	Tramec	E-1394
54032R	Tramec	E-1410
54033L	Tramec	E-1411
54034R	Tramec	E-1420
54035L	Tramec	E-1421
54036R	Tramec	E-1422
54037L	Tramec	E-1423
54006R	Tramec	E-1424A
54007L	Tramec	E-1425A
54020L	Tramec	E-1563
54021R	Tramec	E-1564
52337	Tramec	E-1574HD
53316	Tramec	E-16S
53318	Tramec	E-16S
54042R	Tramec	E-1773C
54043L	Tramec	E-1774C
54044R	Tramec	E-1775
54045L	Tramec	E-1776
54024R	Tramec	E-1788
54024L	Tramec	E-1789
54025L	Tramec	E-1789
52017	Tramec	E-2091
52310	Tramec	E-2091
54022L	Tramec	E-2099
53320	Tramec	E-20S
53322	Tramec	E-20S
54023R	Tramec	E-2100
54014L	Tramec	E-2441B
54015R	Tramec	E-2442B
54016L	Tramec	E-2443B
54017R	Tramec	E-2444B
54018L	Tramec	E-2445B
54019R	Tramec	E-2446B
54057L	Tramec	E-2447A
54056R	Tramec	E-2448A
54051L	Tramec	E-2449A
54050R	Tramec	E-2450A
54059L	Tramec	E-2451A
54058R	Tramec	E-2452A
52028	Tramec	E-2458HD
52128	Tramec	E-2458HD
52328	Tramec	E-2458HD
52128	Tramec	E-2458S-BK
52328	Tramec	E-2458S-BK

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
52228	Tramec	E-2459HD
52228	Tramec	E-2459S-BK
54046R	Tramec	E-2478B
54047L	Tramec	E-2479B
54039L	Tramec	E-2493
54038R	Tramec	E-2494
53324	Tramec	E-24S
53325	Tramec	E-24S
54053L	Tramec	E-2693
54052R	Tramec	E-2694
54088R	Tramec	E-2700B
54089L	Tramec	E-2701B
54092R	Tramec	E-2786
54093L	Tramec	E-2787
54068R	Tramec	E-2792
54069L	Tramec	E-2793
54010R	Tramec	E-2794
54011L	Tramec	E-2795
54012R	Tramec	E-2796
54013L	Tramec	E-2797
54048R	Tramec	E-2799
54049L	Tramec	E-2800
53330	Tramec	E-30S
53332	Tramec	E-30S
54070L	Tramec	E-3516
54071R	Tramec	E-3517
54094R	Tramec	E-3523
54094L	Tramec	E-3524
52010	Tramec	E-612HD
52128	Tramec	E-612HD
52010	Tramec	E-612S-BK
54002R	Tramec	E-684
54003L	Tramec	E-685
54026R	Tramec	E-686
54027L	Tramec	E-687
54008R	Tramec	E-688A
54009L	Tramec	E-689A
54028R	Tramec	E-690
54029L	Tramec	E-691
53009	Tramec	E-8888
53012	Tramec	E-8889
53016	Tramec	E-8890
53020	Tramec	E-8891
53024	Tramec	E-8892
53030	Tramec	E-8894
53036	Tramec	E-8895
53007	Tramec	E-8897
53003	Tramec	E-8898

PART NO.	COMPETITOR	EUCLID NO.
52210	Tramec	E-940HD
54064L	Tramec	E-9657
54065R	Tramec	E-9658
54060L	Tramec	E-9659
54061R	Tramec	E-9660
54062L	Tramec	E-9661
54063R	Tramec	E-9662
53132	Tramec	E-GC3030
53230	Tramec	E-GP3030
59000	Tramec	E-702A
900SC-Y	TSE	E-09SD300R
1003025	TSE	E-11989
1013025	TSE	E-11990
1200SC	TSE	E-12S
1200SC-Y	TSE	E-12SD300R
1600SC	TSE	E-16S
2000SC	TSE	E-20S
2400SC	TSE	E-24S
3000SC	TSE	E-30S
3600SC	TSE	E-36S
100090	TSE	E-8888
100120	TSE	E-8889
100160	TSE	E-8890
100200	TSE	E-8891
100240	TSE	E-8892
101240	TSE	E-8893
100300	TSE	E-8894
100360	TSE	E-8895
1301223	TSE	E-8896
1103023	TSE	E-8897
1203023	TSE	E-8898
2424T-PREM	TSE	E-GC2424
2424T-STD	TSE	E-GC2424
2430T-PC-PREM	TSE	E-GC2430
2430T-PC-STD	TSE	E-GC2430
2430T-PREM	TSE	E-GC2430
2430T-STD	TSE	E-GC2430
3030T-CF	TSE	E-GC3030
3030T-PC-CF	TSE	E-GC3030
3030T-PC-PREM	TSE	E-GC3030
3030T-PC-STD	TSE	E-GC3030
3030T-PREM	TSE	E-GC3030
3030T-STD	TSE	E-GC3030
2424S-PREM	TSE	E-GP2424
2424S-STD	TSE	E-GP2424

PART NO.	COMPETITOR	EUCLID NO.
2430S-PC-PREM	TSE	E-GP2430
2430S-PC-STD	TSE	E-GP2430
2430S-PREM	TSE	E-GP2430
2430S-STD	TSE	E-GP2430
3030S-PC-PREM	TSE	E-GP3030
3030S-PC-STD	TSE	E-GP3030
3030S-PREM	TSE	E-GP3030
3030S-STD	TSE	E-GP3030
CAM119R	TW Heavy Vehicle Pts	E-1094
CAM119L	TW Heavy Vehicle Pts	E-1095
TRAT-10436	TW Heavy Vehicle Pts	E-1113
1472	TW Heavy Vehicle Pts	E-1113
33117	TW Heavy Vehicle Pts	E-1307
CAM100R	TW Heavy Vehicle Pts	E-1393
CAM100L	TW Heavy Vehicle Pts	E-1394
1432	TW Heavy Vehicle Pts	E-1403
CAM140L	TW Heavy Vehicle Pts	E-1563
CAM140R	TW Heavy Vehicle Pts	E-1564
TRAT-10447	TW Heavy Vehicle Pts	E-1569
1935	TW Heavy Vehicle Pts	E-1935
CAM143L	TW Heavy Vehicle Pts	E-2099
CAM143R	TW Heavy Vehicle Pts	E-2100
TRAT-10453	TW Heavy Vehicle Pts	E-2102
22129	TW Heavy Vehicle Pts	E-2390
22114	TW Heavy Vehicle Pts	E-2399
CAM115R	TW Heavy Vehicle Pts	E-2412A
CAM115L	TW Heavy Vehicle Pts	E-2413A
CAM132L	TW Heavy Vehicle Pts	E-2441B
CAM132R	TW Heavy Vehicle Pts	E-2442B

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
CAM130L	TW Heavy Vehicle Pts	E-2443B
CAM130R	TW Heavy Vehicle Pts	E-2444B
CAM133L	TW Heavy Vehicle Pts	E-2445B
CAM133R	TW Heavy Vehicle Pts	E-2446B
CAM125L	TW Heavy Vehicle Pts	E-2447A
CAM125R	TW Heavy Vehicle Pts	E-2448A
CAM126L	TW Heavy Vehicle Pts	E-2449A
CAM126R	TW Heavy Vehicle Pts	E-2450A
CAM127L	TW Heavy Vehicle Pts	E-2451A
CAM127R	TW Heavy Vehicle Pts	E-2452A
CAM102R	TW Heavy Vehicle Pts	E-2492
CAM102L	TW Heavy Vehicle Pts	E-2493
CAM128L	TW Heavy Vehicle Pts	E-2693
CAM128R	TW Heavy Vehicle Pts	E-2694
713-07	TW Heavy Vehicle Pts	E-2786
CAM112R	TW Heavy Vehicle Pts	E-2794
CAM112L	TW Heavy Vehicle Pts	E-2795
CAM121R	TW Heavy Vehicle Pts	E-2796
CAM121L	TW Heavy Vehicle Pts	E-2797
1940	TW Heavy Vehicle Pts	E-3372
1219	TW Heavy Vehicle Pts	E-3421A
CAM106L	TW Heavy Vehicle Pts	E-3516
CAM106R	TW Heavy Vehicle Pts	E-3517
CAM138L	TW Heavy Vehicle Pts	E-3854
CAM138R	TW Heavy Vehicle Pts	E-3855
CAM144L	TW Heavy Vehicle Pts	E-3861
CAM144R	TW Heavy Vehicle Pts	E-3862

PART NO.	COMPETITOR	EUCLID NO.
22105	TW Heavy Vehicle Pts	E-4691
CAM110R	TW Heavy Vehicle Pts	E-4712
CAM110L	TW Heavy Vehicle Pts	E-4713
CAM120R	TW Heavy Vehicle Pts	E-4716
CAM120L	TW Heavy Vehicle Pts	E-4717
CAM122R	TW Heavy Vehicle Pts	E-4718
CAM122L	TW Heavy Vehicle Pts	E-4719
CAM129R	TW Heavy Vehicle Pts	E-4720
CAM129L	TW Heavy Vehicle Pts	E-4721
CAM131R	TW Heavy Vehicle Pts	E-4722
CAM131L	TW Heavy Vehicle Pts	E-4723
1390	TW Heavy Vehicle Pts	E-4800
CAM109L	TW Heavy Vehicle Pts	E-4890
CAM109R	TW Heavy Vehicle Pts	E-4891
CAM105L	TW Heavy Vehicle Pts	E-4900
CAM105R	TW Heavy Vehicle Pts	E-4901
TRAT-10498	TW Heavy Vehicle Pts	E-5137
TRAT-10422	TW Heavy Vehicle Pts	E-526
2202	TW Heavy Vehicle Pts	E-536
CAM145L	TW Heavy Vehicle Pts	E-5494
CAM145R	TW Heavy Vehicle Pts	E-5495
CAM146L	TW Heavy Vehicle Pts	E-5496
CAM146R	TW Heavy Vehicle Pts	E-5497
CAM134L	TW Heavy Vehicle Pts	E-5506
CAM154L	TW Heavy Vehicle Pts	E-5506
CAM134R	TW Heavy Vehicle Pts	E-5507
CAM154R	TW Heavy Vehicle Pts	E-5507

PART NO.	COMPETITOR	EUCLID NO.
CAM135L	TW Heavy Vehicle Pts	E-5508
CAM155L	TW Heavy Vehicle Pts	E-5508
CAM135R	TW Heavy Vehicle Pts	E-5509
CAM155R	TW Heavy Vehicle Pts	E-5509
CAM136L	TW Heavy Vehicle Pts	E-5510
CAM156L	TW Heavy Vehicle Pts	E-5510
CAM136R	TW Heavy Vehicle Pts	E-5511
CAM156R	TW Heavy Vehicle Pts	E-5511
CAM147L	TW Heavy Vehicle Pts	E-5516
CAM147R	TW Heavy Vehicle Pts	E-5517
CAM148L	TW Heavy Vehicle Pts	E-5518
CAM148R	TW Heavy Vehicle Pts	E-5519
CAM150L	TW Heavy Vehicle Pts	E-5520
CAM150R	TW Heavy Vehicle Pts	E-5521
CAM157L	TW Heavy Vehicle Pts	E-5522
CAM157R	TW Heavy Vehicle Pts	E-5523
CAM158L	TW Heavy Vehicle Pts	E-5524
CAM158R	TW Heavy Vehicle Pts	E-5525
CAM159L	TW Heavy Vehicle Pts	E-5526
CAM159R	TW Heavy Vehicle Pts	E-5527
TRAT-10425	TW Heavy Vehicle Pts	E-564
TRAT-10426	TW Heavy Vehicle Pts	E-580
713-17	TW Heavy Vehicle Pts	E-603
2100	TW Heavy Vehicle Pts	E-612HD
2299	TW Heavy Vehicle Pts	E-654
2300	TW Heavy Vehicle Pts	E-654
CAM116R	TW Heavy Vehicle Pts	E-684

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
CAM116L	TW Heavy Vehicle Pts	E-685
CAM111R	TW Heavy Vehicle Pts	E-686
CAM111L	TW Heavy Vehicle Pts	E-687
CAM139L	TW Heavy Vehicle Pts	E-6884
CAM139R	TW Heavy Vehicle Pts	E-6885
CAM113R	TW Heavy Vehicle Pts	E-688A
CAM113L	TW Heavy Vehicle Pts	E-689A
CAM208R	TW Heavy Vehicle Pts	E-690
400-10001	TW Heavy Vehicle Pts	E-6900A
400-10004	TW Heavy Vehicle Pts	E-6902A
400-10005	TW Heavy Vehicle Pts	E-6903A
400-10008	TW Heavy Vehicle Pts	E-6905A
400-10003	TW Heavy Vehicle Pts	E-6906A
400-10002	TW Heavy Vehicle Pts	E-6907A
CAM208L	TW Heavy Vehicle Pts	E-691
400-10009	TW Heavy Vehicle Pts	E-6912
400-10010	TW Heavy Vehicle Pts	E-6913
400-10145	TW Heavy Vehicle Pts	E-6914A
400-10144	TW Heavy Vehicle Pts	E-6918A
400-10146	TW Heavy Vehicle Pts	E-6919A
808180	TW Heavy Vehicle Pts	E-6924B
400-10100	TW Heavy Vehicle Pts	E-6925B
400-10306	TW Heavy Vehicle Pts	E-6928
400-10304	TW Heavy Vehicle Pts	E-6932
400-10305	TW Heavy Vehicle Pts	E-6933
400-10216	TW Heavy Vehicle Pts	E-6936
400-10215	TW Heavy Vehicle Pts	E-6940

PART NO.	COMPETITOR	EUCLID NO.
400-10212	TW Heavy Vehicle Pts	E-6942
400-10211	TW Heavy Vehicle Pts	E-6944
400-10214	TW Heavy Vehicle Pts	E-6946
400-10213	TW Heavy Vehicle Pts	E-6947
400-10402	TW Heavy Vehicle Pts	E-6951A
400-10041	TW Heavy Vehicle Pts	E-6981
400-10040	TW Heavy Vehicle Pts	E-6982
CAM152L	TW Heavy Vehicle Pts	E-9057
CAM152R	TW Heavy Vehicle Pts	E-9058
CAM153L	TW Heavy Vehicle Pts	E-9059
CAM153R	TW Heavy Vehicle Pts	E-9060
CAM107L	TW Heavy Vehicle Pts	E-9087
CAM107R	TW Heavy Vehicle Pts	E-9088
CAM137L	TW Heavy Vehicle Pts	E-9096
CAM137R	TW Heavy Vehicle Pts	E-9097
CAM142L	TW Heavy Vehicle Pts	E-9098
CAM142R	TW Heavy Vehicle Pts	E-9099
CAM141L	TW Heavy Vehicle Pts	E-9100
CAM141R	TW Heavy Vehicle Pts	E-9101
TRAT-10500	TW Heavy Vehicle Pts	E-943
CAM164L	TW Heavy Vehicle Pts	E-9695
CAM164R	TW Heavy Vehicle Pts	E-9696
1178	TW Heavy Vehicle Pts	E-5303A
1609	TW Heavy Vehicle Pts	E-999X
1612	TW Heavy Vehicle Pts	E-911X
1615	TW Heavy Vehicle Pts	E-913X
10562-00	TW Heavy Vehicle Pts	E-937

PART NO.	COMPETITOR	EUCLID NO.
14250-01	TW Heavy Vehicle Pts	E-3975
T5495	TW Heavy Vehicle Pts	E-937
UBS-30	UBS	KIT-1
UBS-4	UBS	KIT-4SHD
UBS-5	UBS	KIT-5
28180	UBS	E-1025
28580	UBS	E-1094
28581	UBS	E-1095
28788	UBS	E-1112A
28889	UBS	E-1113
4602S	UBS	E-1139
28507	UBS	E-1147C
28508	UBS	E-1148C
28523	UBS	E-1253
28105	UBS	E-1269
28376	UBS	E-1271
28324	UBS	E-1272
28156	UBS	E-1289
28798	UBS	E-1318A
28799	UBS	E-1319A
28949	UBS	E-1393
28948	UBS	E-1394
28193	UBS	E-1400
28120	UBS	E-1406
28875	UBS	E-1408
28951	UBS	E-1410
28950	UBS	E-1411
28242	UBS	E-1416A
28967	UBS	E-1418
28957	UBS	E-1420
28956	UBS	E-1421
28955	UBS	E-1422
28954	UBS	E-1423
28173	UBS	E-1424A
28174	UBS	E-1425A
28840	UBS	E-1428A
4562A	UBS	E-1457
28198	UBS	E-1458
28838	UBS	E-1563
28839	UBS	E-1564
28880	UBS	E-1565
28366	UBS	E-1567
28369	UBS	E-1571
28812	UBS	E-1574HD
28160	UBS	E-1581
28121	UBS	E-1582

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
28185	UBS	E-1583
UBS-34	UBS	E-1607HD
28921	UBS	E-1773C
28920	UBS	E-1774C
28908	UBS	E-1775
28909	UBS	E-1776
28885	UBS	E-1781
28886	UBS	E-1782
28917	UBS	E-1788
28916	UBS	E-1789
UBS-6	UBS	E-1816SHD
28827	UBS	E-1880B
UBS-10	UBS	E-1887ASHD
28888	UBS	E-1893
29001	UBS	E-1901
29002	UBS	E-1902
29003	UBS	E-1903
29005	UBS	E-1905
29006	UBS	E-1906
29007	UBS	E-1907
29008	UBS	E-1908
29009	UBS	E-1909
29010	UBS	E-1910
29011	UBS	E-1911
29012	UBS	E-1912
29013	UBS	E-1913
29014	UBS	E-1914
29015	UBS	E-1915
29016	UBS	E-1916
29017	UBS	E-1917
29018	UBS	E-1918
29019	UBS	E-1919
29020	UBS	E-1920
29021	UBS	E-1921
29011	UBS	E-1922
29023	UBS	E-1923
29024	UBS	E-1924
29025	UBS	E-1925
29026	UBS	E-1926
29027	UBS	E-1927
29028	UBS	E-1928
29029	UBS	E-1929
29030	UBS	E-1930
29031	UBS	E-1931
29032	UBS	E-1932
29034	UBS	E-1934
29037	UBS	E-1937
28155	UBS	E-2029

PART NO.	COMPETITOR	EUCLID NO.
18841	UBS	E-2099
28842	UBS	E-2100
28181	UBS	E-2101
28363	UBS	E-2102
28792	UBS	E-2103
28793	UBS	E-2104
28958	UBS	E-2107
28959	UBS	E-2108
28196	UBS	E-2163
28119	UBS	E-2177
28112	UBS	E-2218
UBS-32	UBS	E-2286
28358	UBS	E-2361
28375	UBS	E-2380
28582	UBS	E-2389
28153	UBS	E-2390
28878	UBS	E-2391
28403	UBS	E-2392
28127	UBS	E-2395
28095	UBS	E-2396
28183	UBS	E-2398
28322	UBS	E-2399
28157	UBS	E-2401
UBS-12	UBS	E-2402HD
UBS-26	UBS	E-2403HD
28877	UBS	E-2404
28378	UBS	E-2405
28381	UBS	E-2406
28380	UBS	E-2407
28397	UBS	E-2408
28883	UBS	E-2411A
28937	UBS	E-2412A
28936	UBS	E-2413A
28154	UBS	E-2414
28545	UBS	E-2421
28847	UBS	E-2441B
28848	UBS	E-2442B
28443	UBS	E-2443B
28443	UBS	E-2444B
28445	UBS	E-2445B
28446	UBS	E-2446B
28949	UBS	E-2447A
28950	UBS	E-2448A
28451	UBS	E-2449A
28452	UBS	E-2450A
28954	UBS	E-2451A
28953	UBS	E-2452A
28811	UBS	E-2458HD

PART NO.	COMPETITOR	EUCLID NO.
28532	UBS	E-2460
28535	UBS	E-2463
28534	UBS	E-2465
28187	UBS	E-2475
28201	UBS	E-2476
28800	UBS	E-2477B
28915	UBS	E-2478B
28914	UBS	E-2479B
28953	UBS	E-2492
28952	UBS	E-2493
28370	UBS	E-2551
28377	UBS	E-2670
UBS-36	UBS	E-2675HD
4615S	UBS	E-2689
28371	UBS	E-2690A
28962	UBS	E-2693
28963	UBS	E-2694
28372	UBS	E-2695
28918	UBS	E-2700B
28919	UBS	E-2701B
28923	UBS	E-2714A
28922	UBS	E-2715A
28021	UBS	E-2766S
28022	UBS	E-2767
28023	UBS	E-2768
UBS-8	UBS	E-2769SHD
28188	UBS	E-2785
28911	UBS	E-2786
28910	UBS	E-2787
28931	UBS	E-2794
28930	UBS	E-2795
28943	UBS	E-2796
28942	UBS	E-2797
28903	UBS	E-2799
28902	UBS	E-2800
28192	UBS	E-2804
28195	UBS	E-2805
28158	UBS	E-3007A
28894	UBS	E-3227
28179	UBS	E-3228
28122	UBS	E-3421A
UBS-23	UBS	E-3484
UBS-20	UBS	E-3710SHD
28803	UBS	E-4586
28101	UBS	E-501
28114	UBS	E-502
28149	UBS	E-523
28402	UBS	E-526

CROSS REFERENCE

CROSS REFERENCE

Brake and
Wheel End

PART NO.	COMPETITOR	EUCLID NO.
28401	UBS	E-527
28367	UBS	E-535
28359	UBS	E-536
28105	UBS	E-537
28397	UBS	E-538
28151	UBS	E-539
28383	UBS	E-544
28179	UBS	E-545A
28173	UBS	E-556
28174	UBS	E-557
28105	UBS	E-563
28884	UBS	E-564
28168	UBS	E-579A
28882	UBS	E-580
28250	UBS	E-595
28238	UBS	E-609
28810	UBS	E-612HD
28362	UBS	E-662
28929	UBS	E-686
28928	UBS	E-687
28032	UBS	E-7212A
28034	UBS	E-7213A
28033	UBS	E-7214A
28324	UBS	E-747
28145	UBS	E-773
28397	UBS	E-801
28382	UBS	E-886
28595	UBS	E-919
28594	UBS	E-920
28820	UBS	E-940HD
28112	UBS	E-541
28346	UBS	E-2423
28530	UBS	E-573
28542	UBS	E-2418
28543	UBS	E-2420
28547	UBS	E-2425
28556	UBS	E-2300
28560	UBS	E-2658
28562	UBS	E-2659
28568	UBS	E-620
45360	UBS	E-2393
45910	UBS	E-2394
4223A	UBS	E-2474
X4515Q	UBS	E-2778
4515ZFX	UniBond	E-3920
4515EZT	UniBond	E-2778
4551EZT	UniBond	E-3522
4591S	UniBond	E-2394

PART NO.	COMPETITOR	EUCLID NO.
4692D	UniBond	E-5303A
S648	UniBond	E-5126
S649	UniBond	E-5528
HK4515P-63	Uni-Bond	KIT-4HD
HK4515P-60	Uni-Bond	KIT-4S
HK4515F-56	Uni-Bond	KIT-5
HK4709E-12	Uni-Bond	E-10244
HK4719E	Uni-Bond	E-10760
CRK8808	Uni-Bond	E-10846
CRK8807	Uni-Bond	E-10868
CRK8806	Uni-Bond	E-10871
CRK8805	Uni-Bond	E-10872
HK1225DX	Uni-Bond	E-10875
CRK8823	Uni-Bond	E-10897
4602S	Uni-Bond	E-1139
HK1308E	Uni-Bond	E-1308E
HK1308Q	Uni-Bond	E-1308Q
HK1308Q-88	Uni-Bond	E-1308Q
CRK8830	Uni-Bond	E-1357A
HK4515P	Uni-Bond	E-1816HD
HK4515P-1	Uni-Bond	E-1816S
HK4311E	Uni-Bond	E-1887AHD
HK1225D	Uni-Bond	E-2030HD
CRK8827	Uni-Bond	E-2086B
CRK8820	Uni-Bond	E-2089
CRK8824	Uni-Bond	E-2090
CRK8825	Uni-Bond	E-2122
CRK8821	Uni-Bond	E-2123
CRK8816	Uni-Bond	E-2125
HK1225E	Uni-Bond	E-2126
HK1225F	Uni-Bond	E-2286
CRK8846	Uni-Bond	E-2287
HK1225SF	Uni-Bond	E-2402HD
HK1225SF-55	Uni-Bond	E-2403HD
CRK8802	Uni-Bond	E-2469
CRK8800	Uni-Bond	E-2494
CRK8801	Uni-Bond	E-2526
CRK8822	Uni-Bond	E-2696A
HK1535W	Uni-Bond	E-2740
HK4515Q-3	Uni-Bond	E-2769HD
HK4515Q-1	Uni-Bond	E-2769S
HK1800E	Uni-Bond	E-2821
HK1540W	Uni-Bond	E-3291
CRK8814	Uni-Bond	E-3353A
CRK8815	Uni-Bond	E-3354
HK1225D-51	Uni-Bond	E-3373HD
CRK8812	Uni-Bond	E-3446
CRK8813	Uni-Bond	E-3468A

PART NO.	COMPETITOR	EUCLID NO.
HK1225Q	Uni-Bond	E-3484
HK4515F-3	Uni-Bond	E-3710HD
HK4515F-1	Uni-Bond	E-3710S
HK1225DU	Uni-Bond	E-3782
HK4311EHM	Uni-Bond	E-3801
HK1308Q	Uni-Bond	E-3869
HK1308Q	Uni-Bond	E-3874
CRK8811	Uni-Bond	E-3876
HK4515Q-881	Uni-Bond	E-3895S
HK4515Q-883	Uni-Bond	E-3895SHD
CRK8828	Uni-Bond	E-3993B
HK4311E	Uni-Bond	E-4311EHD-N
HK4515P	Uni-Bond	E-4515P
HK4515P-1	Uni-Bond	E-4515P
HK4515P	Uni-Bond	E-4515PHD
HK4515Q-3	Uni-Bond	E-4515QHD-N
HK4515Q-1	Uni-Bond	E-4515Q-N
HK4515Q-881	Uni-Bond	E-4515U
HK4515F-1	Uni-Bond	E-4515X
HK4515F-3	Uni-Bond	E-4515X
HK4515F-3	Uni-Bond	E-4515XHD
HK1308T	Uni-Bond	E-4691
HK4702Q	Uni-Bond	E-4702-KT
HK4709E-12	Uni-Bond	E-4709ES2-N
HK4709E	Uni-Bond	E-4709ES-N
CRK8826	Uni-Bond	E-5094A
HK1308E	Uni-Bond	E-5139
HK1225DU-53	Uni-Bond	E-5306
CRK8803	Uni-Bond	E-5307
HK4709E	Uni-Bond	E-5481A
CRK8818	Uni-Bond	E-5501
CRK8829	Uni-Bond	E-5513
HK4515XL	Uni-Bond	E-5515
HK1308T-88	Uni-Bond	E-6879
HK4515Q-83	Uni-Bond	E-6999SHD
HK1500B	Uni-Bond	E-7231
CRK8809	Uni-Bond	E-7235
HK1657B	Uni-Bond	E-7237
HK1657B-88	Uni-Bond	E-7238
HK1308Q-88	Uni-Bond	E-7899
HK4708EF	Uni-Bond	E-8923
HK4708EQ	Uni-Bond	E-8925
HK4717E	Uni-Bond	E-9039
CRK8819	Uni-Bond	E-9053
HK4702Q	Uni-Bond	E-9064
HK1657QFL	Uni-Bond	E-9070
CRK8828-1	Uni-Bond	E-9080
HK4716E	Uni-Bond	E-9141

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
HK1225D-52	Uni-Bond	E-9281
HK1225DU-54	Uni-Bond	E-9283
HK1657QM	Uni-Bond	E-9644
HK4524QM	Uni-Bond	E-9644
030013	Velvac	E-12S
030015	Velvac	E-16S
030017	Velvac	E-20S
34090	Velvac	E-2460
030019	Velvac	E-24S
32160	Velvac	E-2517
030021	Velvac	E-30S
030024	Velvac	E-36S
32144	Velvac	E-5093
100226	Velvac	E-6028-R
031021	Velvac	E-8888
031023	Velvac	E-8889
031025	Velvac	E-8890
031027	Velvac	E-8891
031031	Velvac	E-8892
031033	Velvac	E-8894
031035	Velvac	E-8895
019050	Velvac	E-8896
019047	Velvac	E-8897
019049	Velvac	E-8897
019048	Velvac	E-8898
9479718	Volvo	E-10235
947971-8	Volvo	E-10235
843369	Volvo	E-1147C
843368	Volvo	E-1148C
R509000	Volvo	E-1816S
R509000BK	Volvo	E-1816S
3947841	Volvo	E-1816S
R509001	Volvo	E-1816SHD
R509001BK	Volvo	E-1816SHD
3947842	Volvo	E-1816SHD
388897	Volvo	E-1880B
R507002	Volvo	E-1887ASHD
R507002BK	Volvo	E-1887ASHD
3915454	Volvo	E-1887ASHD
3947829	Volvo	E-1887ASHD
827702	Volvo	E-2177
R508000	Volvo	E-2769S
R508000BK	Volvo	E-2769S
3947834	Volvo	E-2769S
R508001	Volvo	E-2769SHD
R508001BK	Volvo	E-2769SHD
3947835	Volvo	E-2769SHD
R507003	Volvo	E-2820

PART NO.	COMPETITOR	EUCLID NO.
R508004	Volvo	E-3484
R507008	Volvo	E-3710S
R507008BK	Volvo	E-3710S
3947831	Volvo	E-3710S
R507010	Volvo	E-3710SHD
R507010BK	Volvo	E-3710SHD
3947832	Volvo	E-3710SHD
R508029	Volvo	E-3869
3947840	Volvo	E-3869
R508014	Volvo	E-3895S
R508014BK	Volvo	E-3895S
3947838	Volvo	E-3895S
R508015	Volvo	E-3895SHD
R508015BK	Volvo	E-3895SHD
3947839	Volvo	E-3895SHD
R509094	Volvo	E-4691
10048MI	Volvo	E-4710B
10047MI	Volvo	E-4711B
6043826	Volvo	E-4968-L
6043825	Volvo	E-4968-R
R507004	Volvo	E-5139
3947830	Volvo	E-5139
827702	Volvo	E-523
388897	Volvo	E-545A
R507057	Volvo	E-5481A
R507057BK	Volvo	E-5481A
3947833	Volvo	E-5481A
R507063	Volvo	E-5515
426957	Volvo	E-5571A
828437	Volvo	E-5576-R
300190	Volvo	E-5652-L
300191	Volvo	E-5652-R
304981	Volvo	E-5737
403926	Volvo	E-5743
467837	Volvo	E-5952
300248	Volvo	E-5977-L
300249	Volvo	E-5977-R
R509095	Volvo	E-6879
3946255	Volvo	E-6924B
3946257	Volvo	E-6944
R508003	Volvo	E-6999SHD
R508003BK	Volvo	E-6999SHD
3947837	Volvo	E-6999SHD
R508030	Volvo	E-7899
R507061	Volvo	E-8923
R507062	Volvo	E-8925
R508824	Volvo	E-9064
R508053	Volvo	E-9644

PART NO.	COMPETITOR	EUCLID NO.
3946338	Volvo	E-BC3030C
1118159	Volvo	E-824105
1118160	Volvo	E-824102
3133400	Volvo	E-9837
3945413	Volvo	E-824105
3946098	Volvo	R806015A
3946099	Volvo	R806013A
3946250	Volvo	R806014A
3946254	Volvo	R806011A
3946255	Volvo	R806022A
3946256	Volvo	R806024A
3946257	Volvo	R806019A
3946523	Volvo	R806023A
3946754	Volvo	R806023A
3946757	Volvo	R806023A
85106575	Volvo	R806001A
41421106	Wabash Trailer	E-6991B
41421109	Wabash Trailer	E-6993B
41421113	Wabash Trailer	E-6995B
41422026	Wabash Trailer	E-1094
41422027	Wabash Trailer	E-1095
41421147	Wabash Trailer	E-1147C
41421148	Wabash Trailer	E-1148C
41421422	Wabash Trailer	E-1422
41421423	Wabash Trailer	E-1423
41422008	Wabash Trailer	E-1424A
41422009	Wabash Trailer	E-1425A
41422971	Wabash Trailer	E-1563
41422970	Wabash Trailer	E-1564
41421773	Wabash Trailer	E-1773C
41421774	Wabash Trailer	E-1774C
41421775	Wabash Trailer	E-1775
41421776	Wabash Trailer	E-1776
41422975	Wabash Trailer	E-2099
41422974	Wabash Trailer	E-2100
41422011	Wabash Trailer	E-2107
41422010	Wabash Trailer	E-2108
41422917	Wabash Trailer	E-2441B
41422916	Wabash Trailer	E-2442B
41422921	Wabash Trailer	E-2445B
41422920	Wabash Trailer	E-2446B
41422157	Wabash Trailer	E-2693
41422156	Wabash Trailer	E-2694
41423854	Wabash Trailer	E-3854
41423855	Wabash Trailer	E-3855
41423856	Wabash Trailer	E-3856
41423857	Wabash Trailer	E-3857
41424720	Wabash Trailer	E-4720

CROSS REFERENCE

CROSS REFERENCE

**Brake and
Wheel End**

PART NO.	COMPETITOR	EUCLID NO.
41424721	Wabash Trailer	E-4721
41424884	Wabash Trailer	E-4884
41424885	Wabash Trailer	E-4885
41426867	Wabash Trailer	E-5506
41426866	Wabash Trailer	E-5507
41426871	Wabash Trailer	E-5508
41426870	Wabash Trailer	E-5509
41426081	Wabash Trailer	E-5510
41426869	Wabash Trailer	E-5510
41426082	Wabash Trailer	E-5511
41426868	Wabash Trailer	E-5511
41425526	Wabash Trailer	E-5526
41425527	Wabash Trailer	E-5527
41421684	Wabash Trailer	E-684
41421685	Wabash Trailer	E-685
41426884	Wabash Trailer	E-6884
41426885	Wabash Trailer	E-6884
41420601	Wabash Trailer	E-6900A
41420604	Wabash Trailer	E-6902A
41420603	Wabash Trailer	E-6906A
41420602	Wabash Trailer	E-6907A
41420626	Wabash Trailer	E-6928
41420616	Wabash Trailer	E-6936
41420612	Wabash Trailer	E-6942
41420683	Wabash Trailer	E-6944
41420614	Wabash Trailer	E-6946
41423349	Wabash Trailer	E-9659
41423350	Wabash Trailer	E-9660
41423351	Wabash Trailer	E-9661
41423352	Wabash Trailer	E-9662
41424729	Wabash Trailer	E-9669
41424728	Wabash Trailer	E-9670
41424731	Wabash Trailer	E-9671
41424730	Wabash Trailer	E-9672
911000	Wagner	KIT-4S
911003	Wagner	KIT-4SHD
914100	Wagner	E-1025
914027	Wagner	E-1112A
914054	Wagner	E-1113
916211	Wagner	E-1251
916212	Wagner	E-1252
916210	Wagner	E-1253
FC031960	Wagner	E-1269
914052	Wagner	E-1269
926012	Wagner	E-12S
F31923	Wagner	E-1302
FC31970	Wagner	E-1304
FC31971	Wagner	E-1305

PART NO.	COMPETITOR	EUCLID NO.
911030	Wagner	E-1308E
920501	Wagner	E-1318A
FC31983	Wagner	E-1337
920014	Wagner	E-1357A
921040	Wagner	E-1408
921026	Wagner	E-1416
921027	Wagner	E-1416A
914115	Wagner	E-1418
914119	Wagner	E-1428S
F19562	Wagner	E-1467
F23876	Wagner	E-1467
F23878	Wagner	E-1467
916204	Wagner	E-1559
916203	Wagner	E-1561
921053	Wagner	E-1565
921013	Wagner	E-1567
921061	Wagner	E-1569
921006	Wagner	E-1571
921008	Wagner	E-1577A
911008	Wagner	E-1607HD
926016	Wagner	E-16S
921057	Wagner	E-1781
921047	Wagner	E-1782
921059	Wagner	E-1782
914061	Wagner	E-1808
911019	Wagner	E-1816S
911020	Wagner	E-1816SHD
914107	Wagner	E-1880S
911011	Wagner	E-1887AHD
911010	Wagner	E-1887ASHD
914065	Wagner	E-1893S
920013	Wagner	E-2086B
920022	Wagner	E-2087
920020	Wagner	E-2088A
920007	Wagner	E-2089
920010	Wagner	E-2090
926020	Wagner	E-20S
921004	Wagner	E-2102
914024	Wagner	E-2119
911002	Wagner	E-2121
920011	Wagner	E-2122
920008	Wagner	E-2123
920005	Wagner	E-2125
916213	Wagner	E-2128
914000	Wagner	E-2177
914012	Wagner	E-2217A
920023	Wagner	E-2287
921016	Wagner	E-2291

PART NO.	COMPETITOR	EUCLID NO.
921005	Wagner	E-2361
920019	Wagner	E-2363
920017	Wagner	E-2382
921028	Wagner	E-2405
FC031954	Wagner	E-2409
921045	Wagner	E-2411A
924012	Wagner	E-2459S-BK
926024	Wagner	E-24S
920000	Wagner	E-2526
916202	Wagner	E-2550
921020	Wagner	E-2670
911004	Wagner	E-2675HD
920015	Wagner	E-2679A
920012	Wagner	E-2680
921014	Wagner	E-2690A
921009	Wagner	E-2695
920009	Wagner	E-2696A
F33186	Wagner	E-2713
F31944	Wagner	E-2714A
31944	Wagner	E-2714A
31945	Wagner	E-2714A
F31945	Wagner	E-2715A
31944	Wagner	E-2715A
31945	Wagner	E-2715A
FC031933	Wagner	E-2717
FC-031933	Wagner	E-2717
FC031955	Wagner	E-2720
F-31955	Wagner	E-2720
F31955	Wagner	E-2720
F32495	Wagner	E-2722
FC031926	Wagner	E-2723
F31926	Wagner	E-2723
FC018788	Wagner	E-2724
F18788	Wagner	E-2724
FC015915	Wagner	E-2725
FC003002	Wagner	E-2733
F79791	Wagner	E-2740
914030	Wagner	E-2766S
914110	Wagner	E-2767
914111	Wagner	E-2768
911005	Wagner	E-2769S
911007	Wagner	E-2769SHD
FC89177	Wagner	E-2770
FC89178	Wagner	E-2770
FC89777/8	Wagner	E-2770
914121	Wagner	E-2785
F80414	Wagner	E-2798
80414	Wagner	E-2798

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
911012	Wagner	E-2820
914045	Wagner	E-3007A
916207	Wagner	E-3008
926030	Wagner	E-30S
914047	Wagner	E-3227
914113	Wagner	E-3228
921063	Wagner	E-3234
F97506	Wagner	E-3291
80433	Wagner	E-3421A
914010	Wagner	E-3421A
914032	Wagner	E-3424
914109	Wagner	E-3437
920002	Wagner	E-3446
921011	Wagner	E-3447
920003	Wagner	E-3468A
921029	Wagner	E-3469
921052	Wagner	E-3471
921055	Wagner	E-3473
921051	Wagner	E-3475
921050	Wagner	E-3476
914114	Wagner	E-3490B
920016	Wagner	E-3520A
920018	Wagner	E-3520A
911015	Wagner	E-3710S
911016	Wagner	E-3710SHD
914029	Wagner	E-3711
911032	Wagner	E-3869
914002	Wagner	E-3914
920018	Wagner	E-3989AHD
920021	Wagner	E-3993B
920510	Wagner	E-4594
911031	Wagner	E-4691
F5035	Wagner	E-4890
916000	Wagner	E-4962
916003	Wagner	E-4963
1541701R	Wagner	E-4964-R
914024	Wagner	E-502
914025	Wagner	E-502
914112	Wagner	E-5122
914116	Wagner	E-5123
921010	Wagner	E-5127
921031	Wagner	E-5128
914023	Wagner	E-512S
921048	Wagner	E-5137
921049	Wagner	E-5138
911030	Wagner	E-5139
920001	Wagner	E-5140
914003	Wagner	E-523

PART NO.	COMPETITOR	EUCLID NO.
921060	Wagner	E-526
921003	Wagner	E-535
921000	Wagner	E-536
914050	Wagner	E-537
914044	Wagner	E-539
916205	Wagner	E-540
914108	Wagner	E-544
914105	Wagner	E-545A
921000	Wagner	E-5512
914049	Wagner	E-563
921044	Wagner	E-564
916206	Wagner	E-572
921047	Wagner	E-580
921046	Wagner	E-581
914005	Wagner	E-586
916150	Wagner	E-5871-R
1541405R	Wagner	E-5900-R
914015	Wagner	E-595
914020	Wagner	E-596A
916111	Wagner	E-5978-L
916109	Wagner	E-5988-L
914026	Wagner	E-609
AE2220	Wagner	E-612HD
AE22451	Wagner	E-612HD
921030	Wagner	E-654
921056	Wagner	E-656
921000	Wagner	E-661
921002	Wagner	E-661
921007	Wagner	E-667
921054	Wagner	E-719
914090	Wagner	E-747
921001	Wagner	E-759
916102	Wagner	E-7896-R
FC031961	Wagner	E-801
914040	Wagner	E-801
F39185	Wagner	E-8888
928012	Wagner	E-8889
928016	Wagner	E-8890
928020	Wagner	E-8891
928024	Wagner	E-8892
928030	Wagner	E-8894
926305	Wagner	E-8896
926306	Wagner	E-8897
926307	Wagner	E-8898
921062	Wagner	E-910
914064	Wagner	E-919
914063	Wagner	E-920S
921012	Wagner	E-943

PART NO.	COMPETITOR	EUCLID NO.
BD125085	Wagner	E-9657
F31922	Wagner	E-979
FD31958	Wagner	E-980
926066	Wagner	E-GC2424
926064	Wagner	E-GC2430
926060	Wagner	E-GC3030
926076	Wagner	E-GP2424
926074	Wagner	E-GP2430
926070	Wagner	E-GP3030
916200	Wagner	E-618
916201	Wagner	E-619
916207	Wagner	E-573
F17814	Wagner	E-4078
FC004395	Wagner	E-2726
1099	Webb	E-A3-4734
2091	Webb	E-A3-4734
101191	Webb	E-10242
171027	Webb	E-4956A
161127	Webb	E-4958
74611	Webb	E-4962
74710	Webb	E-4963
16129	Webb	E-5040A
139913	Webb	E-5561-L
139902	Webb	E-5561-R
15414	Webb	E-5570
16123	Webb	E-5571A
183101	Webb	E-5589-L
183102	Webb	E-5589-R
142022	Webb	E-5796
152026	Webb	E-5799
3320	Webb	E-5824
3322	Webb	E-5825
133609	Webb	E-5868-L
133610	Webb	E-5868-R
195694	Webb	E-5932-L
195693	Webb	E-5932-R
E-5955	Webb	E-5955
86222	Webb	E-5970
87521	Webb	E-5971
178921	Webb	E-5977-L
178910	Webb	E-5977-R
188109	Webb	E-5986-L
188108	Webb	E-5986-R
179955	Webb	E-5991
E-5995-L	Webb	E-5995-L
100181	Webb	E-6033-L
100170	Webb	E-6033-R
101160	Webb	E-6034

CROSS REFERENCE

CROSS REFERENCE

PART NO.	COMPETITOR	EUCLID NO.
101162	Webb	E-6035
101164	Webb	E-6036
107091	Webb	E-7895-L
107080	Webb	E-7895-R
159183	Webb	E-8947-L
159184	Webb	E-8947-R
100163	Webb	E-9008-L
100164	Webb	E-9008-R
101166	Webb	E-9009
101173	Webb	E-9010-L
101172	Webb	E-9010-R
159191	Webb	E-9011-L
159190	Webb	E-9011-R
16177	Webb	E-9024
101175	Webb	E-9524-L
101174	Webb	E-9524-R
101179	Webb	E-9525-L
101178	Webb	E-9525-R
101161	Webb	E-9526
3314	Webb	E-5953
3319	Webb	E-5973
WAKN47011	World American Parts	E-940S-BK
WA078006	World American Parts	E-15680
WA078019	World American Parts	E-15681
WA078028	World American Parts	E-15682
WA078039	World American Parts	E-15683
WAKN44041	World American Parts	E-1574S-BK
WA9000	World American Parts	E-1816S
WA9001	World American Parts	E-1816SHD
WA607002	World American Parts	E-1887ASHD
WAKN44051	World American Parts	E-2458S-BK
WAKN44061	World American Parts	E-2459S-BK
WA8000HD	World American Parts	E-2769HD
WA8000	World American Parts	E-2769S
WA2820	World American Parts	E-2820
WA8004	World American Parts	E-3484

PART NO.	COMPETITOR	EUCLID NO.
WA3710	World American Parts	E-3710S
WA3710HD	World American Parts	E-3710SHD
WA8029	World American Parts	E-3869
WA8014	World American Parts	E-3895S
WA8014HD	World American Parts	E-3895SHD
WA9094	World American Parts	E-4691
WA5139	World American Parts	E-5139
WA5481	World American Parts	E-5481A
WA5515	World American Parts	E-5515
WAKN47001	World American Parts	E-612S-BK
WA9094A	World American Parts	E-6879
WA8000MBHD	World American Parts	E-6999SHD
WA8029A	World American Parts	E-7899
WA8923	World American Parts	E-8923
WA8925	World American Parts	E-8925
WA8824HD	World American Parts	E-9064
WA8081	World American Parts	E-9644

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
10-10B	1-120
10-10S	1-120
10-12B	1-120
10-7S	1-120
10-8B	1-120
10-8S	1-120
10-9B	1-120
10-9S	1-120
20-10B	1-120
20-8B	1-120
20-8S	1-120
20-9B	1-120
20-9S	1-120
4-4.5B	1-120
4-4B	1-120
4-5B	1-120
4-6B	1-120
4-7B	1-120
5-12B	1-120
5-4B	1-120
5-5B	1-120
5-6B	1-120
7-10B	1-120
7-12B	1-120
7-4B	1-120
7-5B	1-120
7-6B	1-120
7-6S	1-120
7-7B	1-120
7-7S	1-120
7-8B	1-120
7-9B	1-120
8-10B	1-120
8-12B	1-120
8-6B	1-120
8-6S	1-120
8-7B	1-120
8-7S	1-120
8-8B	1-120
8-8S	1-120
8-9B	1-120
E-03009	1-16, 1-18, 1-20, 1-53, 1-55, 1-57, 6-40, 6-56
E-04000	1-16, 1-18, 1-20, 1-23, 1-25, 1-45, 1-53, 1-55, 1-57, 6-56
E-04000V	6-56

PART NO.	PAGE NO.
E-04975	1-23, 1-25, 1-45, 6-56
E-04975H	1-23, 1-25, 1-45, 6-56
E-04975V	6-56
E-05500	1-23, 1-25, 1-45, 1-126, 6-56
E-09SD300R	4-27
E-1000	6-40, 7-5
E-1001	6-40
E-10092A	3-43
E-10093A	3-43
E-10094A	3-43
E-10095A	3-43
E-10096A	3-43
E-10097	3-43
E-10097G	3-43
E-10098	3-43
E-10098G	3-43
E-10158	8-3
E-10197	1-12, 1-14, 1-19, 1-21, 1-85, 1-86, 1-117
E-10198	1-9, 1-14, 1-79, 1-86, 1-87, 1-118
E-10200-L	6-7
E-10200-R	6-7
E-10201-L	6-14
E-10201-R	6-14
E-10202-L	6-14
E-10202-R	6-14
E-10206-L	6-14
E-10206-R	6-14
E-10208-L	6-14
E-10208-R	6-14
E-10209-L	6-14
E-10209-R	6-14
E-10210-L	6-14
E-10210-R	6-14
E-10213-L	6-21
E-10213-R	6-21
E-10214-L	6-21
E-10214-R	6-21
E-10215	6-25
E-10216	6-25
E-10217	6-25
E-10218	6-25
E-10219	6-25
E-10220	6-25
E-10221	6-25

PART NO.	PAGE NO.
E-10222	6-25
E-10223	6-25
E-10225-L	6-13
E-10225-R	6-13
E-10226-L	6-13
E-10226-R	6-13
E-10227-L	6-13
E-10227-R	6-13
E-10228-L	6-13
E-10228-R	6-13
E-10229	6-13
E-10230	6-13
E-10234	6-4
E-10235	6-4
E-10237	6-57
E-10238	6-57
E-10239	1-101
E-10242	6-25
E-10243	1-128
E-10244	1-14, 1-86, 1-125
E-10244S	1-86
E-10249-L	6-13
E-10249-R	6-13
E-1025	1-56, 1-78, 1-114
E-10253-L	6-2
E-10253-R	6-2
E-10254-L	6-3
E-10254-R	6-3
E-10256	6-22
E-10257	6-22
E-10258-L	6-21
E-10258-R	6-21
E-10259-L	6-21
E-10259-R	6-21
E-10262	3-14
E-10270	1-14, 1-125
E-10271	1-14, 1-125
E-10272	1-14, 1-125
E-10273	1-14, 1-125
E-10306A	2-11, 2-29
E-10307A	2-11, 2-29
E-10676	6-25
E-10756	1-51, 1-75, 1-123
E-10757	1-50, 1-77, 1-123
E-10760	1-14, 1-87, 1-125
E-10761	1-14, 1-109
E-10762	1-50, 1-51, 1-123

NUMERICAL LISTING

NUMERICAL LISTING

PART NO.	PAGE NO.
E-10763	1-50, 1-51, 1-123
E-10776	1-77, 2-89
E-10779A	3-42
E-10780A	3-42
E-10781A	3-42
E-10782A	3-42
E-10783A	3-42
E-10784A	3-42
E-10785A	3-42
E-10788A	3-42
E-10800	1-51, 2-51, 2-53, 2-71, 2-87
E-10801	1-51, 2-51, 2-53, 2-71, 2-88
E-10803	1-30, 1-124
E-10804	1-31, 1-124
E-10810	1-32, 1-34, 1-124
E-10811	1-30, 1-31, 1-119
E-10812	1-30, 1-31, 1-79, 1-101
E-10813	1-30, 1-31, 1-32, 1-34, 1-112
E-10814	1-30, 1-31, 1-79, 1-105
E-10817	1-30, 1-31, 1-32, 1-79, 1-111
E-10818	1-30, 1-31, 1-79, 1-114
E-10819	1-31, 1-79, 1-109
E-10822	1-32, 1-33, 1-34, 1-119
E-10823	1-32, 1-78, 1-101
E-10824	1-32, 1-34, 1-78, 1-101
E-10825	1-32, 1-34, 1-105
E-10826	1-32, 1-33, 1-34, 1-78, 1-79, 1-114
E-10828	1-32, 1-34, 1-78, 1-113, 6-27
E-10829	1-32, 1-34, 1-109
E-10831	1-32, 1-78, 1-111
E-10832	1-32, 1-78, 1-111
E-10833	1-32, 1-34, 1-78, 1-111
E-10834	1-33, 1-79, 1-108
E-10835	1-33, 1-79, 1-105
E-10836	1-33, 1-79, 1-113
E-10839	1-33, 1-112
E-10841-A	1-30, 1-79, 1-124
E-10842	1-34, 1-111

PART NO.	PAGE NO.
E-10843	1-30, 1-31, 1-32, 1-33, 1-34, 2-53, 2-88
E-10844	1-40, 1-126
E-10845	1-30, 1-32, 1-34, 2-53, 2-86
E-10846	1-30, 1-31, 2-53
E-10847	1-40, 1-126
E-10848	1-32, 2-85
E-10851	1-32, 1-33, 2-86
E-10854	1-40, 1-126
E-10857	1-33, 1-34, 2-53, 2-88
E-10865	1-34, 1-78, 1-111
E-10866-A	1-31, 1-79, 1-124
E-10867	1-32, 1-78
E-10869	1-78, 1-32, 1-34, 1-124
E-1087	6-40, 7-5
E-10870	1-33, 1-79
E-10872	1-34, 2-53
E-10875	1-74, 1-5, 1-123, 2-30
E-10876	1-5, 1-123
E-10877	1-5, 1-123
E-10878	1-5, 1-123
E-10885	3-43
E-10892	3-14
E-10893	3-14
E-10894	3-14
E-10897	1-14, 2-5, 2-7, 2-8, 2-9, 2-10, 2-11, 2-53
E-10897 (ES)	2-22
E-10899	2-8, 2-31
E-10900	2-8, 2-31
E-10901	2-15, 2-44
E-10902	2-15, 2-44
E-10903	2-15, 2-44
E-10904	2-15, 2-44
E-10905	2-16, 2-44
E-10906	2-16, 2-44
E-10907	2-17, 2-44
E-10908	2-17, 2-44
E-10909	2-17, 2-49
E-10910	2-17, 2-49
E-10911	2-10, 2-22
E-10912	2-10, 2-22
E-10913	2-11, 2-22
E-10914	2-11, 2-22
E-10915	2-11, 2-22
E-10916	2-11, 2-22

PART NO.	PAGE NO.
E-10917	2-12, 2-30
E-10918	2-12, 2-30
E-10919	2-14, 2-30
E-10920	2-14, 2-30
E-10921	2-15, 2-30
E-10922	2-15, 2-30
E-10923	2-15, 2-30
E-10924	2-15, 2-30
E-10925	2-16, 2-30
E-10926	2-16, 2-30
E-10927	2-18, 2-30
E-10928	2-18, 2-30
E-10929	2-18, 2-30
E-10930	2-18, 2-30
E-10932	2-77
E-10933	2-77
E-10934	2-77
E-10936	2-77
E-10937	2-77
E-10939	2-77
E-1094	2-16, 2-32
E-10940	2-77
E-10942	2-77
E-10943	2-77
E-10944	2-77
E-10945	2-77
E-10949B	3-41
E-1095	2-16, 2-32
E-10950B	3-41
E-10952	3-43
E-11003	7-9
E-1106	1-38, 1-56, 1-77, 1-78, 1-84, 1-107
E-1107	1-56, 1-74, 1-77, 1-78, 1-109
E-1108	1-56, 1-127
E-1112A	1-19, 1-21, 1-24, 1-26, 1-39, 1-49, 1-54, 1-58, 1-97, 1-98, 1-104

NUMERICAL LISTING

PART NO.	PAGE NO.
E-1113	1-13, 1-19, 1-21, 1-24, 1-26, 1-28, 1-29, 1-32, 1-39, 1-45, 1-46, 1-48, 1-49, 1-54, 1-58, 1-85, 1-86, 1-97, 1-98, 1-111, 2-51, 2-53, 2-54, 2-58, 2-59, 2-63, 2-64, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72, 2-86
E-1120-1	1-80, 1-81, 1-84
E-1128	5-10, 5-11, 5-12
E-11318	1-85
E-11319	1-86
E-1136	1-63, 1-67, 1-68, 5-6, 5-12
E-1137	1-63, 1-67, 1-68, 5-6, 5-11
E-1139	1-67, 1-68, 1-124, 5-8
E-11395	3-8
E-11395A	3-8
E-11396	3-8
E-11396A	3-8
E-11397	3-8
E-11397A	3-8
E-11398	3-8
E-11398A	3-8
E-11399	3-8
E-11399A	3-8
E-1140	1-68, 1-118, 5-9
E-11400	3-8
E-11400A	3-8
E-11401	3-8
E-11401A	3-8
E-11402	3-8
E-11403	3-8
E-11403A	3-8
E-11404	3-8
E-11404A	3-8
E-11405	3-8
E-11405A	3-8
E-11406	3-8
E-11406A	3-8
E-11407	3-8
E-11407A	3-8
E-11408	3-8
E-11408A	3-8
E-11409	3-8

PART NO.	PAGE NO.
E-11410	3-8
E-11415	3-8
E-11415A	3-8
E-11416	3-8
E-11416A	3-8
E-11417	3-8
E-11417A	3-8
E-11418	3-8
E-11418A	3-8
E-11419	3-8
E-11419A	3-8
E-11420	3-8
E-11420A	3-8
E-11421	3-8
E-11421A	3-8
E-11422	3-8
E-11422A	3-8
E-11427A	3-9
E-11428A	3-9
E-11429A	3-9
E-11430A	3-9
E-11431	3-9
E-11432	3-9
E-11445	2-51, 2-73
E-11446	2-51, 2-73
E-11449	1-28, 2-58, 2-80
E-11450	2-58
E-11450HD	1-28, 2-8, 2-31, 2-31, 2-58
E-11450HD-2	2-58
E-11451	1-28, 2-58, 2-84
E-11453	1-42, 1-124
E-11454	1-124
E-11455	1-124
E-11456	1-124
E-1147C	2-8, 2-23
E-1148C	2-8, 2-23
E-11493	1-83
E-11497	2-77
E-11512	2-4, 2-26
E-11513	2-4, 2-26
E-11514	2-4, 2-26
E-11515	2-4, 2-26
E-11516	2-4, 2-26
E-11517	2-4, 2-26
E-11518	2-4, 2-26
E-11519	2-4, 2-26

PART NO.	PAGE NO.
E-11520	2-4, 2-21
E-11521	2-4, 2-21
E-11522	2-5, 2-21
E-11523	2-5, 2-21
E-11524	2-5, 2-26
E-11525	2-5, 2-26
E-11528	2-6, 2-26
E-11529	2-6, 2-26
E-11530	2-7, 2-26
E-11531	2-7, 2-26
E-11532	2-7, 2-26
E-11533	2-7, 2-26
E-11534	2-7, 2-26
E-11535	2-7, 2-26
E-11536	2-7, 2-27
E-11537	2-7, 2-27
E-11538	2-7, 2-21
E-11539	2-7, 2-21
E-11540	2-7, 2-27
E-11541	2-7, 2-27
E-11542	2-7, 2-27
E-11543	2-7, 2-27
E-11544	2-8, 2-27
E-11545	2-8, 2-27
E-11546	2-8, 2-27
E-11547	2-8, 2-27
E-11548	2-8, 2-21
E-11549	2-8, 2-21
E-11550	2-8, 2-21
E-11551	2-8, 2-21
E-11552	2-9, 2-27
E-11553	2-9, 2-27
E-11554	2-9, 2-27
E-11555	2-9, 2-27
E-11556	2-9, 2-27
E-11557	2-9, 2-27
E-11558	2-9, 2-27
E-11559	2-9, 2-27
E-11562	2-9, 2-28
E-11563	2-9, 2-28
E-11564	2-10, 2-28
E-11565	2-10, 2-28
E-11566	2-10, 2-21
E-11567	2-10, 2-21
E-11568	2-10, 2-28
E-11569	2-10, 2-28
E-11570	2-10, 2-28

NUMERICAL LISTING

PART NO.	PAGE NO.
E-11571	2-10, 2-28
E-11572	2-10, 2-28
E-11573	2-10, 2-28
E-11574	2-11, 2-28
E-11575	2-11, 2-28
E-11576	2-11, 2-28
E-11577	2-11, 2-28
E-11578	2-11, 2-28
E-11579	2-11, 2-28
E-11580	2-11, 2-29
E-11581	2-11, 2-29
E-11582	2-11, 2-29
E-11583	2-11, 2-29
E-11584	2-12, 2-29
E-11585	2-12, 2-29
E-11586	2-12, 2-29
E-11587	2-12, 2-29
E-11588	2-12, 2-29
E-11589	2-12, 2-29
E-11590	2-12, 2-29
E-11591	2-12, 2-29
E-11592	2-12, 2-29
E-11593	2-12, 2-29
E-11594	2-12, 2-29
E-11595	2-12, 2-29
E-11596	2-12, 2-29
E-11597	2-12, 2-29
E-11598	2-13, 2-29
E-11599	2-13, 2-29
E-11600	2-13, 2-29
E-11601	2-13, 2-29
E-11602	2-13, 2-29
E-11603	2-13, 2-29
E-11604	2-13, 2-29
E-11605	2-13, 2-29
E-11608	2-5, 2-26
E-11609	2-5, 2-26
E-11610	2-6, 2-26
E-11611	2-6, 2-26
E-11612	2-6, 2-26
E-11613	2-6, 2-26
E-11618	2-8, 2-27
E-11619	2-8, 2-27
E-11622	2-9, 2-27
E-11623	2-9, 2-27
E-11624	2-9, 2-27
E-11625	2-9, 2-27

PART NO.	PAGE NO.
E-11626	2-10, 2-28
E-11627	2-10, 2-28
E-11628	2-10, 2-28
E-11629	2-10, 2-28
E-11630	2-10, 2-28
E-11631	2-10, 2-28
E-11632	2-11, 2-28
E-11633	2-11, 2-28
E-11638	2-11, 2-29
E-11639	2-11, 2-29
E-11640	2-12, 2-29
E-11641	2-12, 2-29
E-11642	2-13, 2-29
E-11643	2-13, 2-29
E-11644	2-15, 2-29
E-11645	2-15, 2-29
E-11646	6-26
E-11647	6-26
E-11648	6-26
E-11649	6-26
E-11651	6-26
E-11652	6-26
E-11654	6-26
E-11658-L	6-16
E-11658-R	6-16
E-11659-L	6-18
E-11659-R	6-18
E-11660-L	6-16
E-11660-R	6-16
E-11661-L	6-18
E-11661-R	6-18
E-11662-R	6-18
E-11665-R	6-18
E-11668-L	6-16
E-11668-R	6-16
E-11669-L	6-16
E-11669-R	6-16
E-11672-L	6-18
E-11672-R	6-18
E-11673-L	6-16
E-11673-R	6-16
E-11674-L	6-18
E-11674-R	6-18
E-11676-L	6-18
E-11676-R	6-18
E-11677-L	6-18
E-11677-R	6-18

PART NO.	PAGE NO.
E-11678-L	6-18
E-11678-R	6-18
E-11680-L	6-16
E-11680-R	6-16
E-11681-L	6-16
E-11682-L	6-16
E-11682-R	6-16
E-11685-L	6-22
E-11686-L	6-22
E-11686-R	6-22
E-11692	6-23
E-11693	6-23
E-11696-L	6-12
E-11696-R	6-12
E-11697-L	6-12
E-11697-R	6-12
E-11699-L	6-12
E-11699-R	6-12
E-11701	6-24
E-11702	6-24
E-11703	6-23
E-11704	6-23
E-11705	6-23
E-11706	6-23
E-11707	6-23
E-11708	6-24
E-11709	6-23
E-11710	6-24
E-11712	6-23
E-11713	6-24
E-11714	6-24
E-11715	6-24
E-11716	6-24
E-11717	6-24
E-11718	6-24
E-11719	6-24
E-11722-L	6-6
E-11722-R	6-6
E-11723-L	6-6
E-11723-R	6-6
E-11724	6-22
E-11725	6-22
E-11741	1-42, 1-43, 1-74, 1-76, 1-80, 1-86, 1-88, 1-89, 1-90, 1-91, 1-92, 1-93, 1-94, 1-95, 1-96, 1-97, 1-101

NUMERICAL LISTING

PART NO.	PAGE NO.
E-11747	1-82
E-11819	2-59
E-11856	2-15, 2-49
E-11857	2-15, 2-49
E-11858	2-16, 2-49
E-11859	2-16, 2-49
E-11860	2-18, 2-49
E-11861	2-18, 2-49
E-11862	2-18, 2-49
E-11863	2-18, 2-49
E-11864	2-8, 2-31
E-11865	2-8, 2-31
E-11866	2-8, 2-31
E-11867	2-8, 2-31
E-11873	3-42
E-11877	3-42
E-11879	3-42
E-11880	3-42
E-11881	3-42
E-11882	3-42
E-11883	3-42
E-11884	3-42
E-11885	3-42
E-11888	4-2
E-11889	4-2
E-11890	3-42
E-11897	1-28, 2-8, 2-31, 2-59
E-11897HD	2-59
E-11898	3-9
E-11899	3-9
E-11900	3-9
E-11901	3-9
E-11902	3-8
E-11904	1-42, 1-43, 2-5, 2-6, 2-8, 2-9, 2-10, 2-11, 2-12, 2-13, 2-15, 2-21, 2-26, 2-27, 2-28, 2-29, 2-38, 2-55
E-11907	1-131
E-11907H	1-131
E-11910	2-13, 2-14, 2-15, 2-16, 2-17, 2-18, 2-49, 2-51
E-11921	3-15, 3-17
E-11922	3-15, 3-17
E-11923	3-15, 3-17
E-11924	3-15, 3-17
E-11925	3-17

PART NO.	PAGE NO.
E-11926	3-15, 3-17
E-11930	3-8
E-11931	3-8
E-11931A	3-8
E-11935	1-130
E-11937	1-130
E-11938	1-131
E-11939	1-130
E-11940	1-131
E-11941	1-130
E-11942 1	1-130
E-11943	1-130
E-11951	1-42, 1-43, 2-79
E-11952	2-59, 2-82
E-11958	2-16, 2-38
E-11959	2-16, 2-38
E-11960	2-6, 2-26
E-11961	2-6, 2-26
E-11968	2-5, 2-21
E-11969	2-5, 2-21
E-11974	1-44, 1-93
E-11977	2-59
E-11981	1-9, 1-79
E-11983	4-28
E-11984	4-28
E-11985	4-28
E-11986	4-28
E-11987	4-28
E-11988	4-28
E-11989	4-3
E-11990	4-3
E-11991	4-28
E-11992	4-28
E-1212SB300R	4-27
E-1214	1-61, 1-62, 5-4
E-1215	1-61, 1-62, 5-2
E-1216	1-61, 1-62, 5-2
E-1216SB300R	4-27
E-1217	1-61, 1-62, 5-2
E-1218	1-61, 1-62, 5-3
E-1230	1-62, 5-4
E-1250	7-3
E-1251	1-45, 1-47, 6-37, 6-38, 7-5
E-1252	1-45, 6-37, 7-5
E-1253	1-45, 1-47, 6-37, 6-38

PART NO.	PAGE NO.
E-1261	1-63, 1-64, 1-65, 1-66, 1-67, 1-68, 5-8, 5-11, 5-12
E-1262	5-10
E-1269	1-41, 1-44, 1-49, 1-60, 1-84, 1-93, 1-94, 1-95, 1-99, 1-107
E-1271	1-45, 1-46, 1-48, 2-60, 2-61, 2-63, 2-79, 2-83
E-1272	1-45, 1-46, 1-48, 2-60, 2-61, 2-63, 2-64, 2-83, 2-84
E-12728	4-29
E-12734	4-26
E-12743	4-28
E-12746	4-27
E-12747	4-27
E-12749	4-28
E-12750	4-28
E-12752	4-28
E-12757	4-26
E-12761	4-26
E-12766	4-29
E-12772	4-26
E-12773	4-26
E-12776	4-28
E-12777	4-26
E-12S	4-26
E-12SD300R	4-27
E-1307	1-41, 1-112
E-1308	1-112
E-1308E	1-80
E-1308Q	1-80
E-1308QMA	1-81
E-1314	2-63, 2-64, 2-65, 2-84
E-1318A	1-28, 1-29, 1-45, 1-46, 1-48, 2-58, 2-59, 2-60, 2-64, 2-66, 2-69, 2-70, 2-72, 2-75
E-1318AHD	2-58, 2-61, 2-64, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72
E-1319A	1-45, 1-48, 2-73
E-1357A	1-46, 2-60
E-1362	7-3
E-1385	1-16, 1-18, 1-20, 2-52, 2-61, 2-62, 2-80
E-1393	2-14, 2-35

NUMERICAL LISTING

PART NO.	PAGE NO.
E-1394	2-14, 2-35
E-1400	1-17, 1-75, 1-114
E-1408	1-55, 2-52, 2-88
E-1410	2-15, 2-41
E-1411	2-15, 2-41
E-1416	1-10, 1-11, 1-13, 1-14, 1-15, 1-16, 1-18, 1-20, 1-28, 1-45, 1-46, 1-48, 2-53, 2-54, 2-55, 2-60, 2-61, 2-62, 2-63, 2-65, 2-69, 2-72, 2-84
E-1416A	1-5, 1-6, 1-9, 1-11, 1-12, 1-13, 1-18, 1-20, 1-50, 1-52, 1-53, 1-55, 1-57, 2-51, 2-52, 2-60, 2-63, 2-83, 2-84
E-1418	1-11, 1-12, 1-19, 1-21, 1-85, 1-87, 1-88, 1-118
E-1420	2-17, 2-41
E-1421	2-17, 2-41
E-1422	2-16, 2-41
E-1423	2-16, 2-41
E-1424A	2-14, 2-32
E-1425A	2-14, 2-32
E-1426	1-107
E-1428A	1-11, 1-19, 1-21, 1-87, 1-117
E-1428S	1-11, 1-87, 1-117
E-14539	1-76
E-14539	1-51
E-1458	1-64, 1-65, 1-66, 1-117, 5-9, 5-11
E-14640	6-25
E-14657	1-76, 1-118
E-14820	2-40
E-14821	2-40
E-14822	2-40
E-14823	2-40
E-14824	2-40
E-14825	2-40
E-14924	1-131
E-14924H	1-131
E-1493	5-3
E-1495	5-3
E-15015	3-35
E-15016	3-34, 3-35
E-15017	3-35

PART NO.	PAGE NO.
E-15018	3-35
E-15019	3-34
E-15020	3-34
E-15021	3-34
E-15022	3-34
E-15023	3-35
E-15024	3-34, 3-35
E-15025	3-35
E-15026	3-35
E-15027	3-36
E-15028	3-36
E-15029	3-36
E-15030	3-36
E-15031	3-36
E-15032	3-36
E-15033	3-36
E-15034	3-36
E-15035	3-36
E-15036	3-34
E-15037	3-34
E-15038	3-34
E-15040	3-35
E-15041	3-35
E-15042	3-36
E-15043	3-36
E-15044	3-36
E-15045	3-36
E-15046	3-36
E-15047	3-36
E-15048	3-36
E-15049	3-36
E-15050	3-36
E-15051	3-34, 3-35, 3-36
E-15052	3-35, 3-36
E-15053	3-34
E-15055	3-34, 3-35, 3-36
E-15056	3-35, 3-36
E-15057	3-35, 3-36
E-15058	3-35, 3-36
E-15061	3-37
E-15062	3-37
E-15063	3-34, 3-37
E-15064	3-34, 3-35, 3-37
E-15066	3-37
E-15067	3-37
E-15068	3-37
E-15069	3-35, 3-38

PART NO.	PAGE NO.
E-15070	3-38
E-15071	3-36, 3-38
E-15072	3-34, 3-35, 3-38
E-15073	3-36, 3-38
E-1559	1-23, 1-25, 1-45, 1-47, 1-88, 1-89, 1-90, 1-91, 6-36
E-1561	1-23, 1-25, 1-45, 1-47, 6-36, 7-5
E-1563	2-12, 2-37
E-1564	2-12, 2-37
E-1565	1-18, 1-20, 1-23, 1-25, 2-59, 2-61, 2-62, 2-65, 2-66, 2-87
E-1567	1-23, 1-25, 2-61, 2-62, 2-81
E-15680	6-4
E-15681	6-4
E-15682	6-4
E-15683	6-4
E-1569	1-16, 1-18, 1-20, 1-23, 1-25, 1-29, 1-45, 1-46, 2-51, 2-52, 2-53, 2-61, 2-62, 2-64, 2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-89
E-1571	1-25, 2-62, 2-81
E-1574HD	3-3
E-1574S-BK	3-3
E-1577A	1-23, 1-25, 2-61, 2-62, 2-81
E-1580	1-24, 1-123
E-1581	1-24, 1-75, 1-110
E-1582	1-24, 1-54, 1-75, 1-95, 1-101
E-1583	1-24, 1-75, 1-114
E-1597A	7-6, 7-7
E-1607HD	1-95
E-16748	3-16
E-16750	3-17
E-16754	3-16
E-16757	3-16
E-16759	3-16
E-16760	3-16
E-16762	3-16
E-16763	3-16
E-16764	3-16
E-16766	3-16
E-16768	3-16

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
E-16774	3-17
E-16824	2-18, 2-47
E-16825	2-18, 2-47
E-16826	2-4, 2-47
E-16827	2-4, 2-47
E-16828	2-6, 2-47
E-16829	2-6, 2-47
E-16830	2-6, 2-47
E-16831	2-6, 2-47
E-16832	2-7, 2-47
E-16833	2-7, 2-47
E-16836	2-4, 2-47
E-16837	2-4, 2-47
E-16838	2-4, 2-47
E-16839	2-4, 2-47
E-16840	2-5, 2-47
E-16841	2-5, 2-47
E-16842	2-5, 2-47
E-16843	2-5, 2-47
E-16844	2-7, 2-47
E-16845	2-7, 2-47
E-16848	2-4, 2-5, 2-47
E-16849	2-4, 2-5, 2-47
E-16850	2-47
E-16851	2-47
E-16852	2-6, 2-47
E-16853	2-6, 2-47
E-16854	2-7, 2-47
E-16855	2-7, 2-47
E-16S	4-26
E-17001	6-25
E-1773C	2-8, 2-23
E-1774C	2-8, 2-23
E-1775	2-8, 2-22
E-1776	2-8, 2-22
E-1781	1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 2-53, 2-54, 2-55, 2-69, 2-86
E-1782	1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 2-53, 2-54, 2-55, 2-69, 2-86
E-1808	1-56, 1-77, 1-78, 1-112
E-1812	1-78
E-1813	1-78, 1-105
E-1816 Series	1-126

PART NO.	PAGE NO.
E-1816HD	1-26, 1-39, 1-49, 1-54 1-97
E-1816S	1-19, 1-26, 1-39, 1-49, 1-54 1-97
E-1816SHD	1-19, 1-26, 1-39, 1-49, 1-54 1-97
E-1828	6-5
E-1835	1-32, 1-34, 6-5
E-1880B	1-19, 1-21, 1-26, 1-39, 1-41, 1-49, 1-54, 1-58, 1-89, 1-93, 1-94, 1-95, 1-97, 1-99, 1-116, 1-117
E-1880S	1-94, 1-97, 1-98, 1-116
E-1887AHD	1-11, 1-19, 1-21, 1-87, 2-22, 2-35
E-1887ASHD	1-11, 1-19, 1-21 1-87
E-1893	1-5, 1-7, 1-19, 1-21, 1-24, 1-26, 1-27, 1-29, 1-36, 1-39, 1-40, 1-41, 1-42, 1-49, 1-54, 1-74, 1-75, 1-95, 1-113
E-1893S	1-51, 1-75, 1-76, 1-80, 1-89, 1-90, 1-92, 1-97, 1-98, 1-113
E-1901	7-6, 7-7
E-1902	7-6, 7-7
E-1903	7-6, 7-7
E-1904	7-6, 7-7
E-1905	7-6, 7-7
E-1906	7-6, 7-7
E-1907	7-6, 7-7
E-1908	7-6, 7-7
E-1909	7-6, 7-7
E-1910	7-6, 7-7
E-1911	7-6, 7-7
E-1912	7-6, 7-7
E-1913	7-6, 7-7
E-1914	7-6, 7-7
E-1915	7-6, 7-7
E-1916	7-6, 7-7
E-1917	7-6, 7-7
E-1918	7-6, 7-7
E-1919	7-6, 7-7
E-1920	7-6, 7-7

PART NO.	PAGE NO.
E-1921	7-6, 7-7
E-1922	7-6, 7-7
E-1923	7-6, 7-7
E-1924	7-6, 7-7
E-1925	7-6, 7-7
E-1926	7-6, 7-7
E-1927	7-6, 7-7
E-1928	7-7
E-1928 (1)	7-6
E-1929 (2)	7-6
E-1929 2	7-7
E-1930 (2)	7-6
E-1930 2	7-7
E-1931	7-7
E-1931 (2)	7-6
E-1932	7-6, 7-7
E-1933	7-6, 7-7
E-1934	7-6, 7-7
E-1935	7-6, 7-7
E-1936	7-7
E-1936 (1)	7-6
E-1937	7-6, 7-7
E-2002	6-27
E-2015	5-10, 5-11, 5-12
E-2029	1-56, 1-77, 1-105
E-2030HD	1-56, 1-77
E-2086B	1-39, 2-57
E-2086B (P)	2-9, 2-25
E-2086B-2	1-41, 2-58
E-2087	1-53, 1-57, 2-60
E-2087-2	2-60
E-2088A	2-60
E-2088AHD	1-45, 1-46, 2-32, 2-33, 2-34, 2-61
E-2088AHD-2	2-61
E-2089	1-18 2-32, 2-33, 2-34, 2-61
E-2090	1-23, 1-25, 2-12, 2-15, 2-17, 2-37, 2-61
E-2090-2	2-62
E-2091	1-16, 1-50, 1-52, 1-55, 3-3
E-2096	4-3
E-2098	7-3
E-2099	2-15, 2-37
E-20S	4-26
E-2100	2-15, 2-37
E-2101	1-56, 1-77, 1-114

NUMERICAL LISTING

PART NO.	PAGE NO.
E-2102	1-5, 1-6, 1-7, 1-50, 1-52, 1-53, 1-55, 1-57, 2-51, 2-52, 2-63, 2-80
E-2103	1-5, 1-6, 1-50, 1-51, 1-52, 1-55, 2-73
E-2104	1-7, 1-18, 1-53, 1-57, 2-73
E-2107	2-14, 2-32
E-2108	2-14, 2-32
E-2121	1-26, 1-88
E-2121HD	1-26, 1-89
E-2122	1-25, 2-12, 2-15, 2-62, 2-37
E-2122-2	2-62
E-2123	1-18, 1-20, 2-32, 2-33, 2-34, 2-62
E-2125	2-5, 2-7, 2-8, 2-9, 2-10, 2-11, 2-22
E-2125-2	1-9, 1-11, 1-13, 1-15, 2-55
E-2126	1-17, 1-75, 2-35
E-2128	1-27, 1-45, 1-47, 6-37, 6-38, 7-5
E-2138	1-63, 1-67, 1-68, 5-6
E-2141	1-63, 1-64, 1-65, 1-66, 1-67, 1-68, 5-8
E-2142	1-63, 1-64, 1-65, 1-66, 1-68, 5-8
E-2144	4-29
E-2162	1-61, 1-62, 5-2
E-2163	1-62, 1-118, 5-3
E-2176	1-56, 1-77, 1-102
E-2177	1-7, 1-13, 1-19, 1-21, 1-22, 1-26, 1-27, 1-36, 1-39, 1-40, 1-41, 1-49, 1-52, 1-54, 1-56, 1-58, 1-80, 1-90, 1-96, 1-98, 1-101
E-2217A	1-11, 1-19, 1-21, 1-87, 1-88, 1-102
E-2217S	1-87, 1-102
E-2218	1-44, 1-99, 1-112
E-2237	1-55, 1-57, 6-40, 7-5
E-2281	1-61, 1-62, 5-2
E-2282	1-61, 5-2
E-2286	1-24, 1-75, 1-123, 2-37

PART NO.	PAGE NO.
E-2287	1-7, 1-53, 1-57, 2-4, 2-5, 2-6, 2-7, 2-12, 2-13, 2-14, 2-16, 2-17, 2-18, 2-32, 2-33, 2-34, 2-45, 2-46, 2-47, 2-48, 2-63
E-2287-2	2-63
E-2290	5-10
E-2291	2-83
E-2296	7-5 6-43
E-2297	6-43 7-5
E-2298	6-43, 7-5
E-2299	6-43, 7-5
E-2300	6-44
E-2301	6-44, 7-5
E-2303	1-47, 6-39, 6-47, 6-51, 7-5
E-2304	6-47, 6-51, 7-5
E-2305	1-47, 6-39, 6-47, 6-51, 7-5
E-2306	6-36
E-2307	3-3
E-2340	6-57
E-2341	6-57
E-2361	1-45, 1-46, 1-48, 2-63, 2-64, 2-80
E-2363	2-63
E-2380	1-45, 1-46, 1-48, 2-60, 2-61, 2-63, 2-82, 2-83
E-2382	2-64
E-2389	1-6, 1-50, 1-56, 1-76, 1-77, 1-78, 1-113
E-2390	1-6, 1-50, 1-56, 1-76, 1-77, 1-78, 1-104
E-2391	1-6, 1-50, 1-56, 1-76, 1-77, 1-78, 1-111
E-2392	1-6, 1-50, 1-56, 1-74, 1-76, 1-77, 1-78, 1-107
E-2393	1-123
E-2394	1-56, 1-123
E-2395	1-5, 1-6, 1-52, 1-56, 1-74, 1-77, 1-78, 1-99, 1-102
E-2396	1-5, 1-6, 1-52, 1-56, 1-74, 1-77, 1-78, 1-99, 1-102, 1-103

PART NO.	PAGE NO.
E-2398	1-5, 1-6, 1-50, 1-51, 1-52, 1-56, 1-74, 1-75, 1-76, 1-77, 1-78, 1-114
E-2399	1-6, 1-50, 1-52, 1-74, 1-77, 1-78, 1-119
E-2401	1-56, 1-74, 1-109
E-2402HD	1-6, 1-56, 1-74, 1-78, 1-123
E-2404	1-5, 1-6, 1-50, 1-52, 1-55, 2-51, 2-52, 2-88
E-2405	1-18, 1-20, 1-29, 1-41, 1-45, 1-46, 1-48, 1-51, 2-51, 2-53, 2-59, 2-64, 2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-83, 2-85
E-2406	1-29, 1-45, 1-46, 2-64, 2-66, 2-67, 2-83, 2-85
E-2407	1-29, 1-45, 1-46, 2-64, 2-66, 2-67, 2-82, 2-83
E-2408	1-29, 1-45, 1-46, 2-64, 2-66, 2-67, 2-81, 2-83
E-2409	1-5, 1-6, 1-50, 1-52, 1-55, 1-57, 1-60, 2-51, 2-52, 2-56, 2-63, 2-86
E-2411A	1-29, 1-45, 1-46, 1-48, 2-64, 2-66, 2-67, 2-68, 2-69, 2-70, 2-87
E-2412	2-13, 2-34
E-2412A	2-13, 2-23
E-2413	2-13, 2-34
E-2413A	2-13, 2-23
E-2414	1-74
E-2417	6-50, 7-5
E-2418	6-50
E-2419	6-50, 7-5
E-2420	6-50, 7-5
E-2421	6-50, 6-51, 7-5
E-2422	6-50, 7-5
E-2423	6-51, 7-5
E-2424	6-51, 7-5
E-2425	6-51, 7-5
E-2431	6-57
E-2432	6-57
E-2433	6-57
E-2434	6-57

NUMERICAL LISTING

PART NO.	PAGE NO.
E-2435	6-57
E-2436	6-57
E-2437	6-57
E-2438	6-57
E-2441B	2-12, 2-39
E-2442B	2-12, 2-39
E-2443B	2-14, 2-39
E-2444B	2-14, 2-39
E-2445B	2-17, 2-39
E-2446B	2-17, 2-39
E-2447A	2-12, 2-39
E-2448A	2-12, 2-39
E-2449A	2-14, 2-39
E-2450A	2-14, 2-39
E-2451A	2-17, 2-39
E-2452A	2-17, 2-39
E-2458HD	3-3
E-2458S-BK	3-3
E-2459HD	3-3
E-2459S-BK	3-3
E-2461	6-45, 6-47, 7-5
E-2462	6-45, 6-47, 6-49, 6-51, 7-5
E-2464	6-46, 7-5
E-2465	6-46, 7-5
E-2467	6-46, 7-5
E-2468	6-46, 7-5
E-2469	1-5, 1-6, 1-50, 1-55, 2-12, 2-13, 2-14, 2-15, 2-16, 2-17, 2-18, 2-30, 2-41, 2-42, 2-43, 2-51
E-2469-2	2-51
E-2474	1-11, 1-125
E-2475	1-11, 1-88, 1-117
E-2476	1-65, 1-118, 5-9
E-2477B	1-46, 2-73
E-2478B	2-5, 2-23
E-2479B	2-5, 2-23
E-2484	1-63, 1-67, 1-68, 5-5, 5-11, 5-12
E-2492	2-15, 2-35
E-2493	2-15, 2-35
E-2494	1-16, 2-14, 2-15, 2-35, 2-52
E-24S	4-26
E-24S-L	4-26
E-2517	2-65, 2-80
E-2518A	4-3

PART NO.	PAGE NO.
E-2522	1-35, 1-38, 1-41, 1-67, 1-68, 5-9, 5-11, 5-12
E-2526	1-55, 2-52
E-2550	1-25, 1-45, 1-47, 6-36 7-5
E-2551	1-46, 2-64, 2-78
E-2552	1-61, 1-62, 5-3
E-2654	7-2, 7-14
E-2655	7-10
E-2656	7-2
E-2658	6-44
E-2659	6-44
E-2660	6-44
E-2662	6-45
E-2663	6-45
E-2670	2-83
E-2675HD	1-93
E-2676	1-41, 1-93
E-2679A	2-64
E-2679AHD	1-46 2-64
E-2680	2-65
E-2680-2	2-65
E-2681A	4-3
E-2687	1-39, 1-126
E-2689	1-67, 1-68, 1-124, 5-8
E-2690A	1-18, 1-20, 1-45, 1-46, 2-65, 2-66, 2-67, 2-68, 2-81
E-2693	2-14, 2-35
E-2694	2-14, 2-35
E-2695	1-16, 1-18, 1-20, 2-65, 2-66, 2-80
E-2696A	1-18, 1-20, 2-14, 2-17, 2-35, 2-36, 2-65
E-2696A-2	2-66
E-2700B	2-7, 2-23
E-2701B	2-7, 2-23
E-2713	1-60, 1-84
E-2714A	1-60, 2-9, 2-25
E-2715A	1-60, 2-9, 2-25
E-2717	1-60, 2-56, 2-84
E-2720	1-28, 2-58, 2-72, 2-89
E-2723	1-59, 1-82, 1-83, 1-108
E-2724	1-59, 1-82, 1-83, 1-111
E-2725	1-59, 1-82, 1-83, 1-111

PART NO.	PAGE NO.
E-2726	1-59, 1-82, 1-83, 1-111
E-2733	1-59, 2-56, 2-86
E-2739	7-3
E-2740	1-82
E-2745	1-61, 1-118, 5-3
E-2764	4-29
E-2766S	1-5, 1-7, 1-22, 1-27, 1-29, 1-36, 1-39, 1-40, 1-41, 1-42, 1-43, 1-49, 1-51, 1-54, 1-74, 1-75, 1-76, 1-80, 1-88, 1-92, 1-93, 1-95, 1-104
E-2767	1-5, 1-7, 1-10, 1-22, 1-26, 1-27, 1-29, 1-36, 1-39, 1-40, 1-41, 1-42, 1-43, 1-49, 1-50, 1-51, 1-54, 1-74, 1-75, 1-77, 1-80, 1-83, 1-84, 1-88, 1-89, 1-90, 1-91, 1-92, 1-93, 1-95, 1-96, 1-118
E-2768	1-7, 1-39, 1-49, 1-54, 1-91, 1-92, 1-96, 1-116
E-2769	1-126
E-2769HD	1-7, 1-27, 1-39, 1-40, 1-42, 1-43, 1-49, 1-54, 1-92, 2-23, 2-26, 2-27, 2-28, 2-29, 2-31, 2-39, 2-40, 2-46
E-2769HD (Q)	2-25
E-2769HD (Standard Q)	2-47, 2-48, 2-49
E-2769S	1-7, 1-27, 1-39, 1-40, 1-49, 1-54, 1-92
E-2769SHD	1-7, 1-27, 1-39, 1-40, 1-49, 1-54, 1-92
E-2778	1-7, 1-26, 1-27, 1-39, 1-49, 1-54, 1-126
E-2785	1-11, 1-87, 1-117
E-2786	2-9, 2-22
E-2787	2-9, 2-22
E-2792	2-17, 2-41
E-2793	2-17, 2-41
E-2794	2-13, 2-33
E-2795	2-13, 2-33
E-2796	2-17, 2-34
E-2797	2-17, 2-34

NUMERICAL LISTING

PART NO.	PAGE NO.
E-2799	2-5, 2-22
E-2800	2-5, 2-22
E-2801	1-15, 1-126
E-2802	1-15, 1-98, 1-102
E-2803	1-15, 1-98, 1-102, 1-103
E-2804	1-15, 1-98, 1-117
E-2805	1-15, 1-98, 1-118
E-2807	1-11, 1-129
	1-11
E-2820	1-87
E-2821	1-15, 1-98, 1-126
E-3007A	1-7, 1-27, 1-36, 1-39, 1-40, 1-41, 1-42, 1-43, 1-54, 1-74, 1-76, 1-80, 1-89, 1-90, 1-91, 1-92, 1-93, 1-94, 1-95, 1-96, 1-97, 1-98, 1-110
E-3008	1-47, 6-37
E-3010	6-37
E-30S	4-26
E-3227	1-26, 1-88, 1-89, 1-110
E-3228	1-26, 1-89, 1-90, 1-116
E-3234	1-8, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 2-53, 2-54, 2-55, 2-57, 2-69, 2-89
E-3291	1-59, 1-83
E-3353A	1-59, 2-56
E-3354	1-60, 2-56
E-3371	7-6, 7-7
E-3372	7-6, 7-7
E-3373HD	1-56, 1-74, 1-76
E-3379	7-3
E-3417	1-49, 1-126
E-3421A	1-8, 1-35, 1-37, 1-38, 1-59, 1-80, 1-81, 1-82, 1-83, 1-84, 1-101
E-3424	1-82, 1-106
E-3427	1-37, 1-66, 1-82, 1-111
E-3437	1-37, 1-38, 1-81, 1-82, 1-115
E-3446	1-37, 2-4, 2-56
E-3446(T)	2-5, 2-6, 2-20
E-3447	1-37, 2-56, 2-78

PART NO.	PAGE NO.
E-3468A	1-37, 1-38, 2-55
E-3469	1-37, 2-56, 2-84
E-3471	1-37, 2-56, 2-87
E-3472	1-38, 2-55, 2-87
E-3473	1-16, 1-37, 2-52, 2-55, 2-87
E-3475	1-37, 2-56, 2-87
E-3476	1-35, 1-37, 2-56, 2-57, 2-87
E-3477	2-87
E-3478	1-4, 1-36, 1-39, 1-40, 1-44, 2-54, 2-87
E-3479	1-30, 1-31, 1-32, 1-34, 1-36, 1-39, 1-40, 1-44, 2-53, 2-54, 2-87
E-3481A	1-29, 1-75, 1-114
E-3482	1-29, 1-75, 1-103
E-3484	1-29, 2-38, 1-75
E-3490B	1-7, 1-26, 1-27, 1-39, 1-40, 1-41, 1-42, 1-43, 1-49, 1-54, 1-89, 1-92, 1-116
E-3490S	1-90, 1-92, 1-93, 1-96, 1-116
E-3492	1-64, 1-65, 1-66, 5-5, 5-11
E-3501	6-42
E-3502	6-42
E-3504	6-48, 7-5
E-3505	6-48
E-3506	6-48, 7-5
E-3507	6-49
E-3508	6-49
E-3509	6-49
E-3510	6-44
E-3511	1-44, 1-99, 1-101
E-3512	1-44, 1-99, 1-117
E-3513	1-44, 1-93, 1-99, 1-119
E-3516	2-14, 2-38
E-3517	2-14, 2-38
E-3518	1-44, 1-99
E-3520A	1-29, 2-12, 2-66
E-3520A-2	2-66
E-3520AHD	1-29, 1-45, 1-46, 1-48, 2-12, 2-14, 2-16, 2-67
E-3520AHD-2	2-67
E-3522	1-49, 1-126

PART NO.	PAGE NO.
E-3523	2-10, 2-22
E-3524	2-10, 2-22
E-3525	1-64, 1-65, 1-66, 5-10
E-36S	4-26
E-3710	1-125
E-3710HD	1-26, 1-89, 2-37
E-3710S	1-89
E-3710SHD	1-26, 1-90
E-3711	1-22, 1-26, 1-88, 1-89, 1-90, 1-104
E-3711S	1-89, 1-90, 1-104
E-3723-L	6-9
E-3723-R	6-9
E-3727-L	6-9
E-3727-R	6-9
E-3728-L	6-9
E-3728-R	6-9
E-3775	1-22, 1-26, 1-49, 1-54, 1-58, 1-129
E-3781	4-3
E-3782	1-76, 1-52, 1-123
E-3801	1-88, 1-11, 1-125
E-3854	2-14, 2-46
E-3855	2-14, 2-46
E-3856	2-16, 2-46
E-3857	2-16, 2-46
E-3859	1-36, 1-39, 1-40, 1-41, 1-42, 1-44, 2-54, 2-55, 2-57, 2-58, 2-68, 2-71, 2-85
E-3861	2-17, 2-37
E-3862	2-17, 2-37
E-3869	1-81, 1-35, 1-124, 2-20
E-3869 (Q)	2-20
E-3870	1-35, 1-80, 1-81, 1-106
E-3871	1-35, 1-80, 1-81, 1-109
E-3872	1-35, 1-81, 1-115
E-3873	1-35, 1-81, 1-118
E-3874	1-35, 1-80, 1-81, 1-111
E-3876	1-35, 2-5, 2-6, 2-20, 2-57
E-3876(Q)	2-5, 2-6, 2-20
E-3877	1-35, 2-57, 2-78
E-3878	1-35, 2-57, 2-84
E-3895 Series	1-125, 1-126

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
E-3895S	1-26, 1-27, 1-39, 1-40, 1-49, 1-54, 1-96
E-3895SHD	1-26, 1-27, 1-39, 1-40, 1-54, 1-96
E-3909	7-9
E-3910	7-9
E-3911	7-9
E-3914	1-41, 1-93, 1-101
E-3920	1-26, 1-125
E-3975	1-17, 1-75, 1-111
E-3989AHD	1-45, 1-46, 2-14, 2-16, 2-67
E-3989AHD-2	2-68
E-3991	1-45, 1-46, 2-67, 2-68, 2-85
E-3992	1-44, 1-99
E-3993B	1-40, 1-44, 2-4, 2-5, 2-6, 2-7, 2-8, 2-9, 2-10, 2-11, 2-12, 2-13, 2-21, 2-23, 2-26, 2-27, 2-28, 2-29
E-3993B	2-54
E-3993B (Q)	2-9, 2-25
E-3993B-2	2-54
E-3994	1-63, 1-67, 1-68, 5-7, 5-11, 5-12
E-3995	1-63, 1-68, 5-7, 5-11, 5-12
E-3997	1-63, 1-67, 1-68, 5-5, 5-11, 5-12
E-4078	1-8, 1-110
E-4311EHD-N	1-87
E-4515P	1-98
E-4515PHD	1-98
E-4515Q-N	1-91
E-4515QHD-N	1-91
E-4515QMB-N	1-91
E-4515QMBHD-N	1-92
E-4515U	1-96
E-4515UHD-N	1-96
E-4515X	1-90
E-4515XHD	1-90
E-4586	1-25, 2-76
E-4587	1-23, 1-25, 2-76
E-4593	1-23, 2-76
E-4594	1-25, 2-76
E-4691	1-37, 1-66, 1-82
E-4691 (T)	2-20
E-4692	1-38, 1-84
E-4702-KT	1-80

PART NO.	PAGE NO.
E-4702B	2-9, 2-23
E-4703B	2-9, 2-23
E-4704B	2-4, 2-23
E-4705B	2-4, 2-23
E-4706B	2-4, 2-23
E-4707B	2-4, 2-23
E-4708B	2-9, 2-23
E-4709B	2-9, 2-23
E-4709ES-N	1-85
E-4709ES2-N	1-86
E-4710B	2-11, 2-23
E-4711B	2-11, 2-23
E-4714A	2-13, 2-23
E-4715A	2-13, 2-23
E-4716	2-17, 2-34
E-4717	2-17, 2-34
E-4718	2-18, 2-34
E-4719	2-18, 2-34
E-4720	2-17, 2-35
E-4721	2-17, 2-35
E-4722	2-14, 2-35
E-4723	2-14, 2-35
E-4736	1-28, 1-30, 1-31, 1-34, 1-37, 1-38, 1-48, 1-60, 2-53, 2-55, 2-56, 2-57, 2-58, 2-60, 2-61, 2-63, 2-64, 2-71, 2-89
E-4737A	2-77
E-4738A	2-77
E-4740	2-10, 2-22
E-4741	2-10, 2-22
E-4800	1-37, 1-81, 1-82
E-4855	6-42
E-4857	6-49
E-4858	6-45
E-4859	6-41
E-4861	6-41
E-4863	6-46
E-4868	6-43
E-4869	6-41
E-4871	6-42, 7-5
E-4873	6-45
E-4875	6-43
E-4876	6-45
E-4877	6-49, 7-5
E-4878	6-46
E-4879	6-41

PART NO.	PAGE NO.
E-4881	6-49, 7-5
E-4884	2-16, 2-34
E-4885	2-16, 2-34
E-4886	2-7
E-4887	2-7
E-4888	2-9, 2-22
E-4889	2-9, 2-22
E-4890	2-15, 2-37
E-4891	2-15, 2-37
E-4892	2-4, 2-33
E-4893	2-4, 2-33
E-4904S	3-2
E-4910A	2-10, 2-28
E-4911A	2-10, 2-28
E-4934A	2-77
E-4942	6-26
E-4944	6-26
E-4945	6-26
E-4946	6-26
E-4947	6-26
E-4948	6-26
E-4949	6-26
E-4950	6-26
E-4951	6-26
E-4952	6-26
E-4953	6-26
E-4955	6-28
E-4956A	6-28
E-4957	6-28
E-4958	6-28
E-4960	6-26
E-4961A	1-32, 1-34, 1-35, 1-37, 1-59, 1-66, 1-78, 1-80, 1-81, 1-82, 1-83, 1-109, 6-5
E-4962	6-5
E-4963	6-5
E-4964-L	6-17
E-4964-R	6-17
E-4965-L	6-17
E-4965-R	6-17
E-4966-L	6-17
E-4966-R	6-17
E-4967-L	6-17
E-4967-R	6-17
E-4968-L	6-17
E-4968-R	6-17
E-4969-L	6-17

NUMERICAL LISTING

NUMERICAL LISTING

PART NO.	PAGE NO.
E-4969-R	6-17
E-4975-R	6-3
E-4976-R	6-3
E-4979-R	6-3
E-4987A	6-28
E-4988-L	6-21
E-4988-R	6-21
E-4990A	6-28
E-5007	6-5
E-5008	6-5
E-501	1-56, 1-58, 1-77, 1-102, 1-103
E-5012	6-28
E-5018	6-27
E-502	1-41, 1-44, 1-49, 1-58, 1-93, 1-95, 1-99, 1-105
E-5032	6-5, 6-27
E-5040A	6-29
E-5044	6-29
E-5060	2-5, 2-19
E-5061	2-5, 2-19
E-5062	2-8, 2-19
E-5063	2-8, 2-19
E-5088	1-41, 1-118
E-5089	1-41, 1-101
E-5093	1-29, 1-36, 1-37, 1-39, 1-40, 1-41, 1-42, 1-43, 1-44, 1-45, 1-48, 1-93, 2-54, 2-55, 2-56, 2-63, 2-64, 2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-89
E-5094A	2-68
E-5095	1-32, 1-42, 1-43, 1-78, 2-55, 2-68, 2-86
E-512	1-49, 1-58, 1-94, 1-104
E-5122	1-8, 1-80, 1-118
E-5123	1-8, 1-80, 1-115
E-5124	1-8, 1-110
E-5126	1-8, 1-124
E-5127	1-8, 2-57, 2-78
E-5128	1-8, 2-57, 2-84
E-512S	1-94, 1-99, 1-105
E-5131	2-6, 2-19
E-5132	2-6, 2-19
E-5133	2-6, 2-19
E-5134	2-6, 2-19

PART NO.	PAGE NO.
E-5137	1-8, 2-57, 2-59, 2-65, 2-66, 2-86
E-5138	1-8, 2-57, 2-86
E-5139	1-80, 1-8, 1-124, 2-19
E-5140	1-8, 2-5, 2-6, 2-7, 2-8, 2-19, 2-57
E-5140-2	2-57
E-523	1-7, 1-19, 1-21, 1-26, 1-39, 1-49, 1-54, 1-58, 1-101
E-5240A	2-77
E-5241A	2-77
E-5242A	2-77
E-5243A	2-77
E-5244A	2-77
E-526	1-5, 1-6, 1-7, 1-16, 1-17, 1-18, 1-20, 1-23, 1-25, 1-41, 1-45, 1-46, 1-48, 1-50, 1-52, 1-53, 1-55, 1-57, 1-75, 2-51, 2-52, 2-57, 2-58, 2-59, 2-60, 2-61, 2-62, 2-63, 2-64, 2-65, 2-66, 2-71, 2-89
E-527	1-5, 1-6, 1-29, 1-52, 1-56, 1-74, 1-75, 1-77, 1-78, 1-99, 1-107
E-5303A	1-52, 1-123
E-5304	1-52, 1-76, 1-77, 1-104
E-5305	1-52, 1-76, 1-77, 1-118
E-5306	1-52, 1-77
E-5307	1-52, 2-41, 2-42, 2-43, 2-52
E-5307-2	2-52
E-535	1-46, 2-60, 2-81
E-536	1-7, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 1-16, 1-18, 1-20, 1-45, 1-46, 1-53, 1-55, 1-57, 2-52, 2-53, 2-54, 2-55, 2-60, 2-61, 2-62, 2-69, 2-79
E-537	1-58, 1-93, 1-107

PART NO.	PAGE NO.
E-539	1-7, 1-12, 1-13, 1-19, 1-21, 1-26, 1-27, 1-36, 1-39, 1-40, 1-41, 1-49, 1-50, 1-51, 1-52, 1-54, 1-56, 1-58, 1-74, 1-75, 1-76, 1-77, 1-82, 1-83, 1-95, 1-110
E-540	1-16, 1-18, 1-20, 1-47, 1-53, 1-55, 1-57, 6-37, 6-40, 6-41, 7-5
E-541	1-58, 1-112
E-543	1-44, 1-99, 1-117
E-544	1-58, 1-116
E-545A	1-26, 1-39, 1-49, 1-54, 1-58, 1-88, 1-90, 1-94, 1-97, 1-98, 1-116
E-5476	2-76
E-5477	1-9, 1-10, 1-12, 1-14, 1-19, 1-21, 1-79, 1-83, 1-84, 1-85, 1-86, 1-87, 1-101
E-5478	1-9, 1-10, 1-12, 1-13, 1-14, 1-19, 1-21, 1-79, 1-83, 1-84, 1-85, 1-86, 1-87, 1-88, 1-110
E-5481A	1-12, 1-19, 1-21, 1-85
E-5482	1-9, 1-10, 1-12, 1-14, 2-53, 2-54, 2-87
E-5490	2-5, 2-22
E-5491	2-5, 2-22
E-5492	2-8, 2-22
E-5493	2-8, 2-22
E-5494	2-14, 2-36
E-5495	2-14, 2-36
E-5496	2-17, 2-36
E-5497	2-17, 2-36
E-5499	1-99, 1-126
E-5501	1-10, 1-12, 2-54
E-5501-2	2-54
E-5503	1-40, 1-49, 1-126
E-5504A	2-7, 2-26
E-5505	2-40
E-5505A	2-7, 2-26
E-5506	2-12, 2-40
E-5507	2-12
E-5508	2-14, 2-40
E-5509	2-14, 2-40

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
E-5510	2-17, 2-40
E-5511	2-17, 2-40
E-5512	1-36, 1-37, 1-38, 1-39, 1-40, 1-41, 1-44, 2-54, 2-55, 2-57, 2-58, 2-68, 2-71, 2-79
E-5513	1-36, 1-39, 1-40, 2-68
E-5515	1-54, 1-95, 1-126
E-5515 (XL)	2-47, 2-48, 2-49
E-5518	2-14, 2-48
E-5519	2-14, 2-48
E-5520	2-16, 2-48
E-5521	2-16, 2-48
E-5522	2-13, 2-48
E-5523	2-13, 2-48
E-5524	2-14, 2-48
E-5525	2-14, 2-48
E-5526	2-16, 2-48
E-5527	2-16, 2-48
E-5528	1-35, 1-124
E-5529	2-6, 2-20
E-5530	2-6, 2-20
E-5531	1-63, 1-67, 1-68, 5-5
E-5532	1-64, 1-65, 1-66, 5-7, 5-11
E-5539	1-63, 1-67, 1-68, 5-7
E-5540	1-64, 1-65, 1-66, 5-7, 5-11
E-5542	5-11
E-5551-L	6-7
E-5551-R	6-7
E-5553-L	6-7
E-5553-R	6-7
E-5554-L	6-3
E-5554-R	6-3
E-5556-L	6-7
E-5556-R	6-7
E-5557-L	6-7
E-5557-R	6-7
E-5558-L	6-7
E-5558-R	6-7
E-5559-L	6-7
E-5559-R	6-7
E-556	2-14, 2-32
E-5560-L	6-7
E-5560-R	6-7
E-5561-L	6-7

PART NO.	PAGE NO.
E-5561-R	6-7
E-557	2-14, 2-32
E-5570	6-29
E-5571A	6-29
E-5572A	6-29
E-5573	6-29
E-5576-L	6-4
E-5576-R	6-4
E-5578-L	6-3
E-5578-R	6-3
E-5579-L	6-3
E-5579-R	6-3
E-5585-L	6-7
E-5585-R	6-7
E-5587-L	6-21
E-5587-R	6-21
E-5588-L	6-21
E-5588-R	6-21
E-5589-L	6-6
E-5589-R	6-6
E-563	1-58, 1-107
E-5632	6-20
E-564	1-41, 1-45, 1-46, 1-48, 1-55, 2-52, 2-58, 2-60, 2-61, 2-63, 2-64, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72, 2-86
E-5652-L	6-3
E-5652-R	6-3
E-5682	6-20
E-5683	6-20
E-5702	6-26
E-5704	6-4
E-5706	6-28
E-5708	6-5
E-5710	6-5
E-5711	6-5
E-5713-L	6-6
E-5713-R	6-6
E-5714-L	6-6
E-5714-R	6-6
E-5715-L	6-6
E-5715-R	6-6
E-5716-L	6-6
E-5716-R	6-6
E-5717-L	6-6

PART NO.	PAGE NO.
E-5717-R	6-6
E-5718-L	6-14
E-5718-R	6-14
E-5719-L	6-14
E-5719-R	6-14
E-572	1-16, 1-18, 1-20, 1-47, 1-53, 1-55, 1-57, 6-37, 6-40, 6-41, 7-5
E-5720-L	6-14
E-5720-R	6-14
E-5721-L	6-16
E-5721-R	6-16
E-5722-L	6-16
E-5722-R	6-16
E-5724	6-19
E-5726	6-28
E-5728	6-28
E-5729	6-28
E-573	1-16, 1-18, 1-20, 1-53, 1-55, 1-57, 6-40, 6-47, 7-5
E-5734	6-4
E-5736	6-27
E-5737	6-27
E-5738	6-27
E-5739	6-27
E-5740	6-27
E-5742	6-27
E-5743	6-27
E-5748-L	6-12
E-5748-R	6-12
E-5749-L	6-12
E-5749-R	6-12
E-5750-L	6-12
E-5750-R	6-12
E-5756-L	6-18
E-5756-R	6-18
E-5757-L	6-18
E-5757-R	6-18
E-5761	6-28
E-5764-L	6-18
E-5764-R	6-18
E-5765-L	6-18
E-5765-R	6-18
E-5766-L	6-18
E-5766-R	6-18
E-5775	6-18

NUMERICAL LISTING

PART NO.	PAGE NO.
E-5776	6-18
E-5781	6-30
E-5783	6-30
E-5784A	6-29
E-5785A	6-29
E-5796	6-26
E-5798	6-26
E-5799	6-26
E-579A	1-44, 1-49, 1-93, 1-94, 1-95, 1-99, 1-110
E-580	1-5, 1-6, 1-7, 1-9, 1-10, 1-11, 1-12, 1-13, 1-14, 1-15, 1-16, 1-17, 1-18, 1-20, 1-23, 1-25, 1-37, 1-38, 1-45, 1-46, 1-50, 1-51, 1-52, 1-53, 1-55, 1-57, 1-75, 2-51, 2-52, 2-53, 2-54, 2-55, 2-57, 2-58, 2-59, 2-60, 2-61, 2-62, 2-63, 2-65, 2-66, 2-69, 2-71, 2-86
E-5800	6-26
E-5801	6-26
E-581	1-37, 1-38, 1-46, 1-50, 2-51, 2-55, 2-57, 2-58, 2-60, 2-71, 2-86
E-5816	6-20
E-5820	6-30
E-5821	6-30
E-5822	6-30
E-5823	6-30
E-5824	6-32
E-5825	6-32
E-5827	6-29
E-5828	6-29
E-5837	6-30
E-5838	6-29
E-583X	1-119
E-5841	6-30
E-5850	7-10
E-5851	7-10
E-5854	7-10
E-5855	7-10
E-5856	7-10

PART NO.	PAGE NO.
E-586	1-50, 1-51, 1-56, 1-74, 1-75, 1-76, 1-77, 1-82, 1-83, 1-101
E-5868-L	6-12
E-5868-R	6-12
E-5869-L	6-17
E-5869-R	6-17
E-5870-L	6-18
E-5870-R	6-18
E-5871-L	6-14
E-5871-R	6-14
E-5872	6-26
E-5876-L	6-8
E-5876-R	6-8
E-5883	6-29
E-5885	6-30
E-5887	6-28
E-5890	6-30
E-5891	6-30
E-5892	6-4
E-5896-L	6-14
E-5896-R	6-14
E-5897-L	6-12
E-5897-R	6-12
E-5898-L	6-12
E-5898-R	6-12
E-5899-L	6-12
E-5899-R	6-12
E-5900-L	6-14
E-5900-R	6-14
E-5902	6-30
E-5904A	6-31
E-5906	6-31
E-5909-L	6-16
E-5909-R	6-16
E-5910-L	6-16
E-5910-R	6-16
E-5911-L	6-16
E-5911-R	6-16
E-5916-L	6-11
E-5916-R	6-11
E-5918-L	6-9
E-5918-R	6-9
E-5920-L	6-9
E-5920-R	6-9
E-5922-L	6-10
E-5922-R	6-10

PART NO.	PAGE NO.
E-5923-L	6-11
E-5923-R	6-11
E-5924-L	6-11
E-5924-R	6-11
E-5926	6-29
E-5929-L	6-8
E-5929-R	6-8
E-5930-L	6-8
E-5930-R	6-8
E-5931-L	6-8
E-5931-R	6-8
E-5932-L	6-8
E-5932-R	6-8
E-5933-L	6-8
E-5933-R	6-8
E-5935-L	6-10
E-5935-R	6-10
E-5936-L	6-10
E-5936-R	6-10
E-5937-L	6-10
E-5937-R	6-10
E-5944	6-26
E-5946	6-26
E-5947	6-26
E-5949	6-26
E-595	1-11, 1-19, 1-21, 1-102
E-5952	6-27
E-5953	6-32
E-5954	6-26
E-5955	6-26
E-5957	6-27
E-5960	6-27
E-5961	6-27
E-5962	6-27
E-5963	6-27
E-5964	6-27
E-596A	1-87, 1-88, 1-102, 1-103
E-5970	6-27
E-5971	6-27
E-5972	6-27
E-5973	6-32
E-5974	6-31
E-5976	6-32
E-5977-L	6-3
E-5977-R	6-3

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
E-5982-L	6-13
E-5982-R	6-13
E-5983-L	6-15
E-5983-R	6-15
E-5985-L	6-13
E-5985-R	6-13
E-5986-L	6-12
E-5986-R	6-12
E-5987-L	6-14
E-5987-R	6-14
E-5989-L	6-8
E-5989-R	6-8
E-5990-L	6-10
E-5990-R	6-10
E-5991	6-4
E-5992A	6-23
E-5993	6-23
E-5994	6-23
E-5995-L	6-3
E-5995-R	6-3
E-5996-L	6-3
E-5996-R	6-3
E-5997	6-24
E-5998	6-24
E-5999	6-24
E-6000A	6-4
E-6001A	6-23
E-602	2-80
E-6023-L	6-7
E-6023-R	6-7
E-6024-L	6-7
E-6024-R	6-7
E-6026-L	6-21
E-6026-R	6-21
E-6027-L	6-21
E-6027-R	6-21
E-6028-L	6-21
E-6028-R	6-21
E-6029A	6-23
E-603	1-46, 2-74
E-6030A	6-23
E-6033-L	6-12
E-6033-R	6-12
E-6034	6-25
E-6035	6-25
E-6036	6-25
E-6038	7-10

PART NO.	PAGE NO.
E-6039	7-16
E-6040	7-16
E-6041	7-17
E-6053	6-31
E-6054	6-32
E-6057-L	6-14
E-6057-R	6-14
E-6058-L	6-21
E-6058-R	6-21
E-6059-L	6-21
E-6059-R	6-21
E-6060-L	6-4
E-6060-R	6-4
E-6061	7-4
E-6064	7-14
E-6065	7-14
E-6066	7-14
E-6067	7-14
E-6068	7-14
E-6070	7-15
E-6071	7-15
E-6072	7-15
E-6073	7-15
E-6074	7-15
E-6076	1-48, 2-68, 2-70, 2-71, 2-82
E-6077	1-48, 2-59, 2-68, 2-70, 2-71, 2-88
E-6078	2-68
E-6080	1-48, 2-69, 2-70, 2-81
E-609	1-75, 1-88, 1-89, 1-90, 1-104
E-6101	2-16, 2-48
E-6102	2-16, 2-48
E-6103	2-17, 2-48
E-6104	2-17, 2-48
E-612HD	3-2
E-612S-BK	3-2
E-6137	7-6, 7-7
E-6138	6-42
E-6139	6-42
E-6140	6-50
E-6141	6-50, 7-5
E-6142	6-47, 6-51
E-6144	6-48, 7-5
E-6145	6-48
E-6146	6-48
E-6147	6-48

PART NO.	PAGE NO.
E-6148	6-48
E-617	1-55, 6-36, 7-5
E-618	1-55, 7-5
E-619	1-55, 6-36
E-620	6-36
E-628X	1-119
E-631	4-3
E-632	1-127
E-633X	1-119
E-634X	1-119
E-635X	1-119
E-636X	1-119
E-654	1-4, 1-7, 1-30, 1-31, 1-33, 1-34, 1-36, 1-37, 1-38, 1-39, 1-40, 1-41, 1-42, 1-43, 1-44, 1-45, 1-46, 2-53, 2-54, 2-55, 2-57, 2-58, 2-60, 2-61, 2-64, 2-68, 2-71, 2-85
E-656	1-28, 1-41, 1-46, 2-57, 2-58, 2-60, 2-61, 2-65, 2-72, 2-88
E-661	2-80
E-662	2-78
E-667	1-4, 1-13, 1-14, 1-30, 1-31, 1-32, 1-33, 1-34, 1-55, 2-53, 2-69, 2-79
E-684	2-15, 2-34
E-685	2-15, 2-34
E-686	2-12, 2-33
E-687	2-12, 2-33
E-6879	1-37, 1-81
E-688	2-13, 2-33
E-6884	2-16, 2-46
E-6885	2-16, 2-46
E-688A	2-13, 2-23
E-689	2-13, 2-33
E-689A	2-13, 2-23
E-690	2-15, 2-32
E-6900A	3-13
E-6902A	3-13
E-6903A	3-13
E-6905A	3-13
E-6906A	3-13
E-6907A	3-13
E-691	2-15, 2-32
E-6910	3-13

NUMERICAL LISTING

PART NO.	PAGE NO.
E-6912	3-13
E-6913	3-13
E-6914A	3-14
E-6918A	3-14
E-6919A	3-14
E-6923B	3-14
E-6924B	3-14
E-6925B	3-14
E-6927B	3-14
E-6928	3-15
E-6932	3-15
E-6933	3-15
E-6936	3-15
E-6942	3-15
E-6944	3-15
E-6946	3-15
E-6947	3-15
E-6951A	3-13
E-6956	3-13
E-6966A	3-15, 3-17
E-6967A	3-15, 3-17
E-6981	3-13
E-6982	3-13
E-6983	3-13, 3-14
E-6985	3-13
E-6987B	3-41
E-6988B	3-41
E-6989B	3-41
E-6990B	3-41
E-6991B	3-41
E-6992B	3-41
E-6993B	3-41
E-6994B	3-41
E-6995B	3-41
E-6996B	3-41
E-6999 Series	1-126
E-6999SHD	1-93
E-700	8-2
E-702A	8-2
E-712	2-78
E-719	1-7, 1-28, 1-53, 1-57, 2-58, 2-60, 2-63, 2-65, 2-72, 2-87
E-7211	1-67, 1-68, 5-9, 5-11, 5-12
E-7212A	1-67, 1-68 5-11

PART NO.	PAGE NO.
E-7213A	1-67, 1-68 5-11
E-7214A	1-67, 1-68 5-12
E-7217	2-18, 2-45
E-7218	2-18, 2-45
E-7219	2-18, 2-45
E-7220	2-18, 2-45
E-7231	1-3, 1-83
E-7232	1-3, 1-82
E-7237	1-4, 1-84
E-7238	1-85
E-7450	8-2
E-7451	8-2
E-747	1-5, 1-7, 1-13, 1-19, 1-21, 1-22, 1-24, 1-26, 1-27, 1-29, 1-36, 1-39, 1-40, 1-41, 1-42, 1-43, 1-49, 1-50, 1-51, 1-52, 1-54, 1-56, 1-58, 1-74, 1-75, 1-76, 1-77, 1-80, 1-82, 1-83, 1-84, 1-85, 1-86, 1-88, 1-89, 1-90, 1-91, 1-92, 1-93, 1-94, 1-95, 1-96, 1-97, 1-98, 1-99, 1-119
E-752	1-41, 1-93, 1-116
E-757	1-6, 1-56, 1-84, 1-114, 1-116
E-759	1-5, 1-6, 1-7, 1-45, 1-46, 1-50, 1-53, 1-55, 1-57, 2-51, 2-52, 2-60, 2-63, 2-79
E-7647	7-5
E-7649	7-5
E-7651	7-6
E-7652	7-6
E-7653	7-6
E-7654	7-5, 7-6
E-7657	7-5
E-7658	1-47, 6-39
E-7659	1-47, 6-39
E-7660	1-47, 6-39
E-7663	1-27, 1-47, 6-38
E-7664	1-47, 6-38
E-7665	1-47, 6-38
E-7666	1-47, 6-38
E-773	1-56, 1-58, 1-77, 1-110

PART NO.	PAGE NO.
E-7775	6-5
E-7895-L	6-2
E-7895-R	6-2
E-7896-L	6-2
E-7896-R	6-2
E-7897-L	6-2
E-7897-R	6-2
E-7898-L	6-2
E-7898-R	6-2
E-7899	1-81, 1-35, 1-124
E-797X	1-119
E-798X	1-119
E-801	1-13, 1-14, 1-19, 1-21, 1-24, 1-26, 1-29, 1-30, 1-37, 1-39, 1-41, 1-44, 1-45, 1-46, 1-49, 1-51, 1-54, 1-58, 1-60, 1-66, 1-79, 1-81, 1-82, 1-84, 1-85, 1-86, 1-93, 1-94, 1-95, 1-97, 1-98, 1-99, 1-108, 2-51, 2-52, 2-53, 2-54, 2-56, 2-58, 2-59, 2-61, 2-62, 2-63, 2-64, 2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72, 2-89
E-807	1-5, 1-6, 1-28, 1-52, 1-53, 1-55, 1-57, 2-52, 2-65, 2-72, 2-79
E-824102	8-4
E-824103	8-4
E-824104	8-4
E-824105	8-4
E-824106	8-4
E-864	1-58, 1-127
E-8652	8-2
E-886	1-22, 1-26, 1-49, 1-54, 1-58, 1-129
E-8888	4-27
E-8889	4-27
E-8890	4-2
E-8891	4-2
E-8892	4-2
E-8894	4-2
E-8895	4-2
E-8896	4-3, 4-26
E-8897	4-3
E-8898	4-3

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
E-8899	4-3
E-8907	1-13, 1-22, 1-86, 1-88, 1-116
E-8923	1-22, 1-88
E-8924	1-22, 1-125
E-8925	1-88
E-8925	1-22, 1-125
E-8927	8-2
E-8938	1-7, 1-19, 1-21, 1-22, 1-24, 1-26, 1-27, 1-29, 1-36, 1-39, 1-40, 1-41, 1-49, 1-54, 1-56, 1-88, 1-89, 1-92, 1-95, 1-97, 1-113
E-8946-L	6-20
E-8946-R	6-20
E-8947-L	6-18
E-8947-R	6-18
E-8948-L	6-6
E-8948-R	6-6
E-8949-L	6-20
E-8949-R	6-20
E-8950-L	6-22
E-8950-R	6-22
E-8951-L	6-10
E-8951-R	6-10
E-8952-L	6-22
E-8952-R	6-22
E-8954-L	6-16
E-8954-R	6-16
E-8955-L	6-16
E-8955-R	6-16
E-8957-L	6-16
E-8957-R	6-16
E-8958-L	6-16
E-8958-R	6-16
E-8959-L	6-19
E-8959-R	6-19
E-895SHD	1-49
E-8960	6-25
E-8961	6-20
E-8962	6-20
E-8963	6-19
E-8964	6-19
E-8965	6-19
E-8966-L	6-12
E-8966-R	6-12
E-8968-L	6-14

PART NO.	PAGE NO.
E-8968-R	6-14
E-8969-L	6-14
E-8969-R	6-14
E-8972-L	6-12
E-8972-R	6-12
E-8976-L	6-10
E-8976-R	6-10
E-8977-L	6-16
E-8977-R	6-16
E-8978-L	6-16
E-8978-R	6-16
E-8979-L	6-14
E-8979-R	6-14
E-8980	6-25
E-8981	6-25
E-8982-L	6-14
E-8982-R	6-14
E-8983-L	6-14
E-8983-R	6-14
E-8985-L	6-12
E-8985-R	6-12
E-8986	6-25
E-8987	6-25
E-8988	6-25
E-8990-L	6-12
E-8990-R	6-12
E-8992-L	6-15
E-8992-R	6-15
E-8993-L	6-15
E-8993-R	6-15
E-8994-L	6-15
E-8994-R	6-15
E-8995-L	6-12
E-8995-R	6-12
E-8996-L	6-12
E-8996-R	6-12
E-8997	6-23
E-9000-L	6-11
E-9000-R	6-11
E-9001-L	6-12
E-9001-R	6-12
E-9002-L	6-11
E-9002-R	6-11
E-9003-L	6-18
E-9003-R	6-18
E-9004-L	6-11
E-9004-R	6-11

PART NO.	PAGE NO.
E-9005-L	6-11
E-9005-R	6-11
E-9006	6-9
E-9007	6-9
E-9008-L	6-18
E-9008-R	6-18
E-9009	6-25
E-9010-L	6-16
E-9010-R	6-16
E-9011-L	6-16
E-9011-R	6-16
E-9012-L	6-3
E-9012-R	6-3
E-9020	6-4
E-9021	6-4
E-9022-R	6-4
E-9023	6-30
E-9024	6-31
E-9025	1-6, 1-123
E-9026	1-6, 1-123
E-9027	1-8, 1-124
E-9030	2-6, 2-19
E-9031	2-6, 2-19
E-9032	2-6, 2-19
E-9033	2-6, 2-19
E-9034	2-7, 2-19
E-9035	2-7, 2-19
E-9036	1-10, 1-124
E-9037	1-10, 1-14, 1-83, 1-87, 1-115
E-9038	1-10, 1-84, 1-115
E-9039	1-10, 1-84, 1-124
E-9041	1-13, 1-85, 1-105
E-9042	1-13, 1-85, 1-86, 1-110
E-9043	1-13, 1-85, 1-102
E-9044	1-85, 1-102, 1-103
E-9045	1-13, 1-85, 1-110
E-9046	1-13, 1-42, 1-85, 1-116
E-9047	1-13, 1-85, 1-112
E-9048	1-13, 1-85
E-9052	1-13, 1-86
E-9053	2-69
E-9055	2-11, 2-22
E-9056	2-11, 2-22
E-9057	2-14, 2-36
E-9058	2-14, 2-36

NUMERICAL LISTING

NUMERICAL LISTING

PART NO.	PAGE NO.
E-9059	2-17, 2-36
E-9060	2-17, 2-36
E-9061	1-26, 1-91, 1-104
E-9062	1-36, 1-124
E-9063	1-36, 1-42, 1-80, 1-115
E-9064	1-80, 1-36, 1-124, 2-21
E-9065	2-6, 2-21
E-9066	2-6, 2-21
E-9067A	2-6, 2-21
E-9068A	2-6, 2-21
E-9069	1-95, 1-116
E-9070	1-95
E-9071	2-71, 2-87
E-9072	1-48, 2-59, 2-68, 2-70, 2-71, 2-87
E-9073	1-48, 2-69, 2-70, 2-88
E-9074	2-69, 2-70, 2-86
E-9075	1-48, 2-69, 2-70, 2-87
E-9076	1-35, 2-57, 2-89
E-9077	1-48, 2-59, 2-68, 2-69, 2-70, 2-71, 2-89
E-9078	2-69
E-9078HD	1-48, 2-12, 2-14, 2-17, 2-40, 2-69
E-9078HD-2	2-70
E-9079	2-70
E-9079HD	1-48, 2-40, 2-12, 2-14, 2-17, 2-70
E-9079HD-2	2-71
E-9080	2-8, 2-26, 2-28, 2-71
E-9087	2-16, 2-38
E-9088	2-16, 2-38
E-9089	2-15, 2-34
E-9090	2-15, 2-34
E-9095A	1-128
E-9095AHD	1-128
E-9096	2-12, 2-48
E-9097	2-12, 2-48
E-9098	2-16, 2-48
E-9099	2-16, 2-48
E-910	2-89
E-9100	2-17, 2-48
E-9101	2-17, 2-48
E-9102	3-2
E-9105	3-3
E-9112	4-28

PART NO.	PAGE NO.
E-9115	4-28
E-9118	4-28
E-911X	1-119
E-9120	4-28
E-9121	4-28
E-912X	1-119
E-9130	4-28
E-9131	4-28
E-9132	3-42
E-9133	3-42
E-9135	3-42
E-9136	7-3
E-9139	7-3
E-913X	1-119
E-9141	1-10, 1-12, 1-83
E-9142	1-26, 1-91
E-914X	1-119
E-915X	1-119
E-916X	1-119
E-917X	1-119
E-918X	1-119
E-919	1-13, 1-41, 1-44, 1-85, 1-86, 1-99, 1-113
E-920	1-24, 1-26, 1-75, 1-88, 1-89, 1-91, 1-113
E-920S	1-113
E-9261	6-27
E-9262	6-27
E-9263	2-12, 2-42
E-9264	2-12, 2-42
E-9265	2-13, 2-42
E-9266	2-13, 2-42
E-9267	2-15, 2-42
E-9268	2-15, 2-42
E-9269	2-15, 2-42
E-9270	2-15, 2-42
E-9273	2-16, 2-42
E-9274	2-16, 2-42
E-9275	2-16, 2-42
E-9276	2-16, 2-42
E-9279	2-18, 2-42
E-9280	2-18, 2-42
E-9281	1-76
E-9281	1-56
E-9282	1-56, 1-74
E-9283	1-52, 1-123, 1-77

PART NO.	PAGE NO.
E-9319	7-3
E-9320	7-3
E-937	1-17, 1-75, 1-109
E-940HD	3-3
E-940S-BK	3-3
E-943	1-46, 2-60, 2-79
E-9433	7-16
E-9434	7-17
E-9509	1-11, 1-125
E-9523-L	6-16
E-9523-R	6-16
E-9524-L	6-16
E-9524-R	6-16
E-9525-L	6-16
E-9525-R	6-16
E-9526	6-25
E-959	1-127
E-9590	2-77
E-9591	2-77
E-9592	2-77
E-9593	2-77
E-9594	2-77
E-9596	2-77
E-9597	2-77
E-9598	2-77
E-9599	2-77
E-9600	2-77
E-9601	2-77
E-9602	2-77
E-9643	1-41, 1-95, 1-117
E-9644	1-95, 1-41, 1-126
E-9645	2-4, 2-26
E-9646	2-4, 2-26
E-9647	2-4, 2-26
E-9648	2-4, 2-26
E-9649	2-5, 2-26
E-9650	2-5, 2-26
E-9651	2-5, 2-26
E-9652	2-5, 2-26
E-9653	2-6, 2-26
E-9654	2-6, 2-26
E-9655	2-7, 2-27
E-9656	2-7, 2-27
E-9657	2-8, 2-27
E-9658	2-8, 2-27
E-9659	2-8, 2-27
E-9660	2-8, 2-27

NUMERICAL LISTING

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
E-9661	2-8, 2-27
E-9662	2-8, 2-27
E-9663	2-9, 2-27
E-9664	2-9, 2-27
E-9665	2-9, 2-27
E-9666	2-9, 2-27
E-9667	2-9, 2-27
E-9668	2-9, 2-27
E-9669	2-9, 2-28
E-9670	2-9, 2-28
E-9671	2-10, 2-28
E-9672	2-10, 2-28
E-9673A	2-10, 2-28
E-9674A	2-10, 2-28
E-9675	2-10, 2-28
E-9676	2-10, 2-28
E-9677	2-11, 2-28
E-9678	2-11, 2-28
E-9679	2-11, 2-28
E-9680	2-11, 2-28
E-9681	2-11, 2-29
E-9682	2-11, 2-29
E-9683	2-11, 2-29
E-9684	2-11, 2-29
E-9687A	2-5, 2-23
E-9688A	2-5, 2-23
E-9689A	2-10, 2-23
E-9690A	2-10, 2-23
E-9691A	2-11, 2-23
E-9692A	2-11, 2-23
E-9693	2-4
E-9694	2-4
E-9697	2-4, 2-5, 2-20
E-9698	2-4, 2-5, 2-20
E-9699	2-6, 2-20
E-9700	2-6, 2-20
E-9701	2-6, 2-20
E-9702	2-6, 2-20
E-9707	2-5, 2-20
E-9708	2-5, 2-20
E-9725	2-13, 2-46
E-9726	2-13, 2-46
E-9727	2-17, 2-48
E-9728	2-17, 2-48
E-9729	2-18, 2-48
E-9730	2-18, 2-48
E-9731	2-13, 2-49

PART NO.	PAGE NO.
E-9732	2-13, 2-49
E-9733	2-14, 2-49
E-9734	2-14, 2-49
E-9735	2-17, 2-49
E-9736	2-17, 2-49
E-9737	2-18, 2-49
E-9738	2-18, 2-49
E-9739	2-13, 2-47
E-9740	2-13, 2-47
E-9741	2-18, 2-48
E-9742	2-18, 2-48
E-9743	2-13, 2-41
E-9744	2-13, 2-41
E-9747	2-18, 2-41
E-9748	2-18, 2-41
E-975	1-16, 1-18, 1-20, 1-53, 1-55, 1-57, 6-56
E-9755	2-15, 2-43
E-9756	2-15, 2-43
E-9757	2-15, 2-43
E-9758	2-15, 2-43
E-9759	2-16, 2-43
E-9760	2-16, 2-43
E-9761	2-12, 2-37
E-9762	2-12, 2-37
E-9763	2-7, 2-22
E-9764	2-7, 2-22
E-9765	2-8, 2-22
E-9766	2-8, 2-22
E-9767	2-7, 2-22
E-9768	2-7, 2-22
E-9769	2-9, 2-22
E-9770	2-9, 2-22
E-9771	2-10, 2-22
E-9772	2-10, 2-22
E-9784	1-48, 2-82
E-9785A	2-74
E-9786A	2-74
E-9787A	2-74
E-9788A	2-74
E-9789	1-51, 2-51, 2-53, 2-71, 2-81
E-979	1-59, 1-82, 1-115
E-9790A	1-51, 2-13, 2-14, 2-15, 2-16, 2-17, 2-18, 2-44
E-9790A	2-49, 2-53
E-9790A-2	2-71

PART NO.	PAGE NO.
E-9791	2-72
E-9791HD	1-28, 2-8, 2-31, 2-72
E-9792A	1-51, 2-51, 2-53, 2-71, 2-80
E-9793	7-16
E-980	1-60, 1-84, 1-115
E-9837	6-24
E-9868	8-3
E-999X	1-119
E-BC12S	4-2
E-BC16S	4-2
E-BC2024C	4-2
E-BC20S	4-2
E-BC2424C	4-2
E-BC2430C	4-2
E-BC2430C-EL	4-2
E-BC24S	4-2
E-BC24S-EL	4-2
E-BC3030C-EL	4-2
E-BC3030CPLBX	4-2
E-BC3030P-EL	4-2
E-BC3030P-L	4-2
E-BC3030PK-EL	4-2
E-BC3030PK-L	4-2
E-BC3036C	4-2
E-BC30S	4-2
E-BC30S-EL	4-2
E-BC3636C	4-2
E-GC2024	4-25
E-GC2424	4-25
E-GC2424L	4-25
E-GC2430	4-25
E-GC2430L	4-25
E-GC3030	4-25
E-GC3030CF	4-25
E-GC3030CFP40	4-25
E-GC3030L	4-25
E-GC3030P40	4-25
E-GC3030R	4-25
E-GC3036	4-25
E-GC3036L	4-25
E-GC3636	4-25
E-GP1624	4-25
E-GP2024	4-25
E-GP2424	4-25
E-GP2424L	4-25
E-GP2430	4-25

NUMERICAL LISTING

NUMERICAL LISTING

PART NO.	PAGE NO.
E-GP2430L	4-25
E-GP2430XL	4-25
E-GP3030	4-25
E-GP3030K	4-25
E-GP3030LK	4-25
E-GP3036	4-25
E-GP3636	4-25
E-LCP3030	4-25
E-LCP3030R	4-25
E-LPP3030K	4-25
E-PB0912	4-27
E-PB0916	4-27
E-PB1212	4-27
E-PB1216	4-27
KIT-4 Series	1-126
KIT-4HD	1-94
KIT-4HD (P),	2-25
KIT-4S	1-49, 1-58, 1-94
KIT-4SHD	1-49, 1-58, 1-94
KIT-5	1-90
M807000	3-20
M807001	3-19
M807002	3-19
M807003	3-19
M807004	3-19
M807005	3-20
M807006	3-20
M807007	3-20
M807008	3-20
M807009	3-18
M807010	3-18
M807011	3-18
M807012	3-18
M807013	3-21
M807014	3-21
M807015	3-21
M807016	3-19
M807017	3-19
M807018	3-19
M807019	3-21
M807020	3-21
M807021	3-21
M807022	3-19
M807023	3-19
M807024	3-19
M807025	3-18
M807026	3-19

PART NO.	PAGE NO.
M807032	3-18
M807033	3-18
M807034	3-18
M807037	3-19
M807040	3-21
M807041	3-21
M807042	3-19
M807500	3-18
M807501	3-18
M807502	3-18
M807503	3-18
M807504	3-18
M807505	3-18
M807507	3-18
M807508	3-18
M807522	3-24
M807523	3-24
M807524	3-24
M807525	3-23
M807526	3-23
M807527	3-22
M807528	3-23
M807529	3-23
M807531	3-24
M807532	3-23
M807533	3-23
M807534	3-24
M807537	3-23
M807538	3-23
M807539	3-24
M807541	3-23
M807542	3-24
M807543	3-22
M807544	3-23
M807545	3-23
M807546	3-24
M807547	3-24
M807548	3-22
M807549	3-22
M807550	3-24
M807551	3-22
M807552	3-23
M807553	3-24
M807554	3-23
M807555	3-23
M807556	3-22
M807557	3-24

PART NO.	PAGE NO.
M807558	3-24
M807563	3-24
M807564	3-24
M808000	3-20, 3-26
M808001	3-19
M808002	3-19, 3-25
M808003	3-19, 3-25
M808004	3-19
M808004	3-25
M808005	3-20, 3-25
M808006	3-20, 3-26
M808007	3-20, 3-26
M808007	3-25
M808012	3-18, 3-25
M808013	3-21
M808013	3-26
M808014	3-21
M808015	3-21, 3-26
M808016	3-19
M808019	3-21, 3-26
M808020	3-21
M808021	3-21, 3-26
M808022	3-19, 3-25
M808023	3-19, 3-25
M808024	3-19, 3-25
M808026	3-19, 3-25
M808028	3-25
M808029	3-25
M808030	3-25
M810500	3-9
M810625	3-9
M820625	3-9
M820750	3-9
MER415002	6-52
MER415004	6-52
MER415005	6-52
MER415084	6-52
MER415347	6-52
MER425731	6-52
MER614723	6-38, 6-52
MER614743	6-37, 6-52
MER614836	6-43, 6-52
MER614837	6-43, 6-52
MER614973	6-45, 6-47, 6-51, 6-52
MER644723	6-52
MER644743	6-52
MER644836	6-52

NUMERICAL LISTING

NUMERICAL LISTING

Brake and
Wheel End

PART NO.	PAGE NO.
MER644837	6-52
MER644973	6-52
R801001	3-8
R801002	3-8
R801700	3-9
R803010	3-8
R803011	3-8
R803024	3-8
R803025	3-8
R803030	3-8
R803031	3-8
R803048	3-8
R803049	3-8
R803050	3-8
R803051	3-8
R803052	3-8
R803053	3-8
R803054	3-8
R803055	3-8
R803058	3-8
R803059	3-8
R803102	3-8
R803106	3-8
R803108	3-8
R803109	3-8
R803110	3-8
R803112	3-8
R803114	3-8
R803116	3-8
R803195	3-8
R806000A	3-20
R806001A	3-19
R806002A	3-19
R806003A	3-19
R806004A	3-19
R806005A	3-20
R806006A	3-20
R806007A	3-20
R806008A	3-20
R806009A	3-18
R806010A	3-18
R806011A	3-18
R806012A	3-18
R806013A	3-21
R806014A	3-21
R806015A	3-21
R806016A	3-19

PART NO.	PAGE NO.
R806017A	3-19
R806018A	3-19
R806019A	3-21
R806020A	3-21
R806021A	3-21
R806022A	3-19
R806023A	3-19
R806024A	3-19
R806025A	3-18
R806026A	3-19
R806500A	3-18
R806501A	3-18
R806502A	3-18
R806503A	3-18
R806504A	3-18
R806505A	3-18
R806507A	3-18
R806508A	3-18
R810012	3-9
R810018	3-9
R810019	3-9
R810020	3-9
R810021	3-9
R810022	3-9
R810023	3-9
R810024	3-9
R810025	3-9
R810300	3-19, 3-24, 3-25, 3-31
R810301	3-20, 3-21, 3-25, 3-26, 3-29
R810302	3-18, 3-19, 3-25, 3-28
R810303	3-18, 3-29
R810304	3-18, 3-23, 3-30
R810305	3-19, 3-22, 3-30
R810306	3-30
R810307	3-20, 3-29
R810308	3-21, 3-30
R810310	3-18, 3-29
R810311	3-18, 3-29
R810312	3-22, 3-23, 3-24, 3-31
R810313	3-30
R810314	3-18, 3-29
R810316	3-24, 3-28
R810317	3-27
R810318	3-28
R810319	3-27
R810320	3-28

PART NO.	PAGE NO.
R810321	3-27
R810322	3-27
R810323	3-27
R810324	3-28
R810325	3-27
R810326	3-27
R810327	3-28
R810328	3-23, 3-24
R810330	3-18, 3-22
R810336	3-24
R810337	3-18, 3-25
R810338	3-25
R810339	3-19
SET401	6-53
SET402	6-53
SET403	6-53
SET404	6-53
SET405	6-53
SET406	6-53
SET407	6-53
SET408	6-53
SET409	6-53
SET410	6-54
SET411	6-54
SET412	6-54
SET413	6-54
SET414	6-54
SET415	6-54
SET416	6-54
SET417	6-54
SET418	6-54
SET419	6-54
SET420	6-54
SET421	6-55
SET422	6-55
SET423	6-55
SET424	6-55
SET425	6-55
SET426	6-55

NUMERICAL LISTING

DECIMAL & MILLIMETER EQUIVALENTS

Brake and
Wheel End

INCH	INCH	MM
1/64	0.0156	0.397
1/32	0.0313	0.794
3/64	0.0469	1.191
1/16	0.0625	1.587
5/64	0.0781	1.984
3/32	0.0938	2.381
7/64	0.1094	2.778
1/8	0.125	3.175
9/64	0.1406	3.572
5/32	0.1563	3.969
11/64	0.1719	4.366
3/16	0.1875	4.762
13/64	0.2031	5.159
7/32	0.2188	5.556
15/64	0.2344	5.953
1/4	0.25	6.35
17/64	0.2656	6.747
9/32	0.2813	7.144
19/64	0.2969	7.541
5/16	0.3125	7.937
21/64	0.3281	8.334
11/32	0.3438	8.731
23/64	0.3594	9.128
3/8	0.375	9.525
25/64	0.3906	9.922
13/32	0.4063	10.319
27/64	0.4219	10.716
7/16	0.4375	11.113
29/64	0.4531	11.509
15/32	0.4688	11.906
31/64	0.4844	12.303
1/2	0.50	12.70

INCH	INCH	MM
33/64	0.5156	13.097
17/32	0.5313	13.494
35/64	0.5469	13.89
9/16	0.5625	14.287
37/64	0.5781	14.684
19/32	0.5938	15.081
39/64	0.6094	15.478
5/8	0.625	15.875
41/64	0.6406	16.272
21/32	0.6563	16.669
43/64	0.6719	17.065
11/16	0.6875	17.462
45/64	0.7031	17.859
23/32	0.7188	18.265
47/64	0.7344	18.653
3/4	0.75	19.05
49/64	0.7656	19.447
25/32	0.7813	19.884
51/64	0.7969	20.24
13/16	0.8125	20.637
53/64	0.8281	21.034
27/32	0.8438	21.431
55/64	0.8594	21.828
7/8	0.875	22.225
57/64	0.8906	22.622
29/32	0.9063	23.019
59/64	0.9219	23.415
15/16	0.9375	23.812
61/64	0.9531	24.209
31/32	0.9688	24.606
63/64	0.9844	25.003
1	1.00	25.40

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