



2017 PARTS CATALOG

2nd Generation Transmission For Late Models



Late Model **Transmission** 2nd Generation SG-1300



Late Model **Transmission** 2nd Generation **Muncie Length** Tailhousing 3" Longer to fit Muncie Lenath

SG-1400



Late Model **Transmission Ball Spline** 2nd Generation SG-1500



Second Generation **Bert Transmission**

This revolutionary design is the lowest rotating weight gear box available. The mechanism of the first and reverse are totally disengaged from rotation when it's in direct drive (high gear), so there are no wear on those parts. Reducing rotating weight creates more power to rear wheels that is greatly felt by drivers. Crate motor and limited engines series are the ones who get the most benefit from this transmission, either on dirt or pavement.

The second generation transmission delivered multiple wins in 2015 which proves it is one of the top transmissions on the market today. Champions like Billy Moyer, Tim Fuller, Chris Maden, Casey Robert, Hunter Peacock, Steve Francis, David Smith, Ray Cook, Jonathan Davenport use this transmission and have had remarkable success and wins all season long. Don't deprive your race team, use the second generation bert transmission!

Late Model Shifter Assembly



Bloomquist Shifter Fits Bloomquist Chassis Only SG-1311



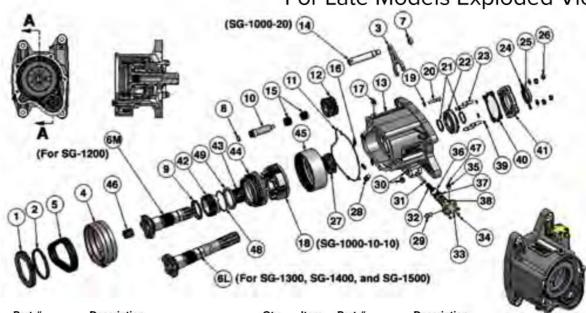


2016 World 100 Eldora Speedway Winner



2nd Generation Transmission





Item Part #	Description	Qty
1SG-1029	Reverse Gear	1
2SG-1031-K	Reverse Bearing	
	(Seal Together with SG-1061)	1
	Steel Ball 3/16	
3SG-1017	Selector Fork	1
	Bert Band + Band Anguer	
5SG-1076	Double Row Chain	1
6MSG-1002	Input Shaft (For SG-1200)	1
6LSG-1003		
	(For SG-1300, SG-1400, & SG-1500)	1
7SG-1056	Hex Nylon Lock 1/2-20 UNF	1
	O-Ring OD 3/4 ID 5/8 with 1/16	
9SG-1032-K	Carrier Truste Support Bearing	1
10SG-1027		
	(Sale Together with SG-1034)	1
	Case Gasket	
12SG-1028	Reverse Idler Gear	1
13SG-1001	Main Casting	1
	Front Fork System Sub Assembl	
15SG-1057	Needle Bearing 20 x 24 x 17	2
16SG-1021	Trust Washer	4
	Breather	
18SG-1000-10-10	Carrier Sub Assembly	1
	O'Ring OD 9/16 Wall 1/16	
	Front Fork Support Screw	
	External Retaining Rings, 5160-137	

Item Part #	Description Qty
22SG-1053	Input Shaft Bearing 6207Z enr1
	Front Cover Stud4
	Flat Washer 5/164
25SG-1052	Shaft Seal CRWA1-R1
26SG-1258	Hex Nylon Lock 5/16-24 UNF4
27SG-1006	Sun Gear Selector1
28SG-1033	Band Anchor Stud1
29SG-1064	Servo AN Adapter1
30SG-1063	Magnetic Drain Plug 1/4 NPT2
31SG-1019	Band Anchor Shaft1
32SG-1078	Piston Return Spring,
	OD 5/8 x 1-1/4 x w(.069 x .109)1
33SG-1020	Servo Cover1
34SG-1066	Flat Head 82 Deg #10-24 UNC x .7504
35SG-1065	Servo Bleed1
36SG-1081	O'Ring 1/16 x 1.000 (A.P.D.N.)1
37SG-1018	Servo Piston1
38SG-1077	O'Ring 13/162
39SG-1082	Stud O'Ring4
40SG-1039	Gasket1
41SG-1004	Front Cover1
42SG-1012	Sun Gear1
43SG-1069	Needle Bearing 40 x 45 x 271
44SG-1009	L and R Carrier1
45SG-1007	Carrier Crown1
46SG-1058	Needle Bearing WJ 12 x 16 x 161
	Servo Bleed Adapter Plug1
48SG-1016	Sun Gear Trust Ring1
49SG-1011	Carrier Support1

Bert Blue Magic Transmission Fluid

Bert Blue Magic is specially blended to insure greater bearing and gear protection, easier shifting and smoother and quieter clutch operation. Blue Magic also significantly reduces transmission operating temperature. Parts # TR-OIL

 $1^{\rm st}$ Generation Transmission (LMZ/MOZ) uses 3/4 Quart $2^{\rm nd}$ Generation Transmission uses 1/2 Quart





2nd Generation TransmissionFor Late Models



Late Model **Transmission** 2nd Generation



SG-1300-01 (Tail Casting Late Model Assy)

Item.	Part #	Description (Quantity)
		Rod End 3/8-24 UNF (1)
2	SG-1152	Hex Jam Nut 3/8-24 UNC (1)
3	SG-1150	Shaft Seal (1)
4	SG-1102	Shifting Rod Extension (1)
5	SG-1017	Selector Fork (1)
6	SG-1157	Set Screw 7/16-14 UNC x .375 (2)
7	SG-1056	Hex Nylon Lock 12-20 UNF (1)
8	SG-1155	Hex Head Screw 5/16-18 UNC x 1.500 (4)
9	SG-1154	Hex Head Screw 5/16-18 UNC x 2.000 (1)
10	HLW516	Lock Washer .313 (5)
	SG-1156	
12	SG-1400-05	Tail Casting Late Model Sub Assy)
		(Sale Together) (1)
13	SG-1035-01	Plunger Small Ball 1/4 diam.
	SG-1035-02	Plunger Big Ball 5/16 diam.)
14	SG-1158	Spring 5/16 (2)
	SG-1302	
15*	SG-1402	Output Shaft for SG-1400 (1)
16	6208ZZE	Ball Bearing (1)
17	SG-1083	Bert Part # 031 (2)
18	SG-1021	Crown Trust Washer (3)
19	SG-1160	Internal retaining ring, Bore diameter 3 5/32 (1)
20	SG-1101	Hi Selector (1)



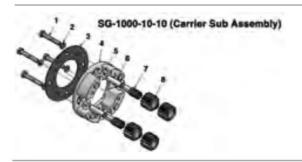


2nd Generation Transmission

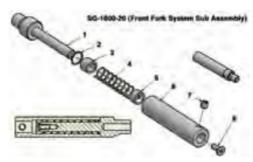


Late Model Transmission 2nd Generation Muncie Length SG-1400





Item.	Part #	Description	Qty
1	SG-1070	Hex Head Screw 1/4-28 UNF x 1.750	4
2	SG-1071	Lock Washer 1/4	4
3	SG-1010	Carrier Washer Plate	1
4	SG-1008	Planet Carrier	1
5	SG-1015	Planet Thrust Washer	4
6	SG-1014	Planet Shaft	4
7	SG-1059	Needle Bearing .091	64
8	SG-1013	Planet Gear	4



Item.	Part #	Description	Qty
1	SG-1023	Shifting Rod	1
2	SG-1075	Internal Retaining Ring .500	1
3	SG-1025	Shifting Rod Spring Washer	1
4	SG-1073	Compression Spring OD .480	
		Wire .040 x 2.000	1
5	SG-1026	Shifting Rod Spring Compressor	1
6	SG-1024	Shifting Rod Spring Holder	1
7	SG-1072	Set Screw 1/4-28 UNC x .250	1
8	SG-1074	Flat Head Cap Screw 10-32 UNC x .50	00 1



2nd Generation Transmission

For Late Models

Late Model **Transmission Ball Spline** 2nd Generation





SG-1500-01 (Tail Casting Late Model Ball Spline Assy)

Item Part #	Description (Quantity)
1SG-1151	Rod End 3/8-24 UNF (1)
2SG-1152	Hex Jam Nut 3/8-24 UNC (1)
3SG-1150	Shaft Seal (1)
4SG-1102	Shifting Rod Extension (1)
5SG-1017	Selector Fork (1)
6SG-1157	Set Screw 7/16-14 UNC x 0.375 (2)
7SG-1056	Hex Nylon Lock 1 2-20 UNF (1)
8SG-1502	Output Shaft (4)
9SG-1053	Deep Groove Ball Bearing
10SG-1155	Hex Head Screw 5/16-18 UNC x 1.500 (4)
11SG-1154	Hex Head Screw 5/16-18 UNC x 2.000 (1)
	Lock Washer .313 (5)
	Flat Washer 5/16 (5)
14SG-1500-05	Tail Casting Late Model Sub Assembly) (Sale Together) (1)
15SG-1035-01	Plunger Small Ball 1/4 diam.
SG-1035-02	Plunger Big Ball 5/16 diam.
16SG-1158	Spring 5/16 (2)
176208ZZE	Ball Bearing
18SG-1021	Crown Trust Washer (3)
19HISR3532	Internal retaining ring
20SG-1101	

SG-1500-05 (Tail Casting Late Model Ball Spline Sub Assy)

Item.	Part #	Description (Quantity)
1	SG-1504	Needle Bearing HJ324120 (1)
2	SG-1505	Snap Ring (1)
3	SG-1056	CR Seal 19762 (1)





2nd Generation Transmission

For Dirt Modifieds

Second Generation Bert Transmission

10 pounds lighter than original MOZ Transmission. 50% less rotating weight. Better ratio for clutch to engage quicker. Uses same length driveshaft and coupler. Weights only 33.5 pounds.

Dirt Modified Transmission 2nd Generation SG-1200





2nd Generation Transmission



Remote Shifter

Now you can shift your race car just as easy as shifting a street car. Bert has designed a remote shifter for the east coast modified second generation trans (SG-1200), because of the single shifting rod design the use of a heavy duty cable and adapter bracket has create a great system. This shifter is handy and brings comfort to driver specially when going in and out of the cockpit.



Optional Remote Side Shifter Kit

For SG-1200 Transmission

Description	Part #
Remote Shifter for Second Generation Transmission	78-SG
Replacement Cable Only	78-1C

Description	Part #
Regular Shifter for Second Generation Modified Trans	. 78-S





SG-1200 Tail Assenbly Exploded View



1st Generation Transmission

FOR LATE MODELS

All Bert late model transmissions feature "over center" shifter for positive high gear engagement. Improved rear suspension traction with Bert ball spline transmission. All Bert transmissions now feature "dog tooth" final drive for smooth shifts and positive engagement. Model numbers starting in "Z" are "dog tooth" equipped. Earlier units can be updated, see your authorized Bert dealer or rebuilder. Over the past twenty years thousands of racers were won with Bert Transmissions. Our ongoing engineering, together with the largest network of authorized distributors and rebuilders, make Bert Transmission your choice for performance and reliability lap after lap. **Note:** Fill transmission with Bert Black Magic transmission oil to 1/2 inch below fill plug. Don't use 90 wt gear lube in Bert Transmission. **Note:** Transmissions equipped with "dog tooth" final drive must have shafts rotating for shifting. **Attempting to force gear engagement with shafts not rotating may damage transmission.**

Dirt Late Model Transmission

It features an internal clutch assembly for reduced rotating weight, and new "dog teeth" gears. Trans available with optional coupler and shifter for an additional amount per item.

Late Model Trans Alum.....LMZ



Already the industry leader in racing transmissions, Bert takes the competitive package to the next level. By significantly reducing drive line bind, the Bert ball spline transmission allows the rear suspension to move faster and smoother, greatly improving traction on today's dry, slick racing surfaces.

LMZ-BS



Tail Housing Ball Spling Assembly

003-BS



1st Generation Transmission

NY MODIFIED

Open Drive

Bert Open Drive Modified transmission features a compact 11" length (mounting face to yoke center), with a light 36 lb. Total weight.

Closed Drive

Utilizing our proven open drive design, it incorporates a specially designed rear cover which will accept conventional Sprint Car torque ball & tube. Ultimate setup for Champ Cars & all closed drive equipped cars.

Open Drive MOZ

Closed Drive MCZ



Replacement Modified Shifter Kit 78-M

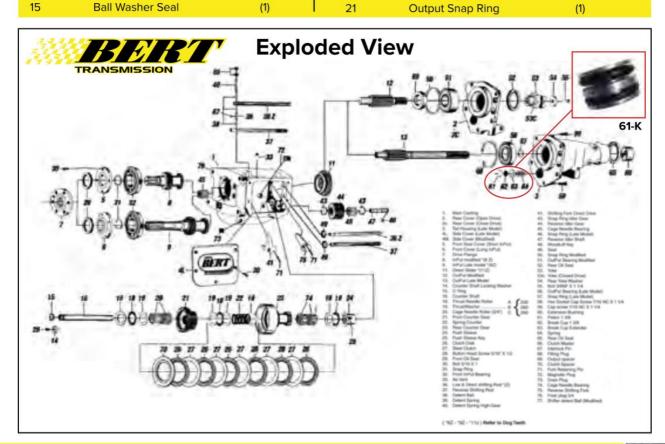


Ball Spline Tail Housing

The Bert Ball Spline Tail Housing replaces your standard slip yoke tail and brings the benefit of greatly reduced friction in the telescoping action of the driveshaft necessary for smooth rear suspension travel. All Bert Ball Splines are now manolite treated to improve hardness and prevent rust.

Number	Descripition	Qty
1	Output Shaft Tube	(1)
2	Front Bearing Snap Ring	(1)
3	Front Bearing	(1)
4	Steel Washer .090	(1)
5	Tailhousing Ball Spline	(1)
6	Rear Snap Ring	(1)
7	Ball Bearing 1/2"	(12)
8	Ball Bearing Unit	(1)
8b	Ball Retainer Ring Double Seal	
9	Allen Cap Screw 1/4-28 2"	(6)
9a	Hi Lock Washer	(6)
10	Washer	(1)
11	Lock Washer	(1)
12	Bolt 3/8-24 1 1/2"	(1)
13	Aluminum Yoke	(1)
14	Stop Washer	(1)





Sprint Car

Bert Sprint Transmission

20 years ago Bert Robidoux, owner of Bert Engineering introduces the revolutionary Bert Transmission. A direct drive unit with a small internal clutch. It was and still is the closest system to a sprint car direct drive. This major innovation is now the standard in oval track racing.

Bert now brings this winning technology to the Sprint Car!

The new Bert Sprint Transmission assembly weighs less than 36 lbs, including 6-1/2" flywheels, bellhousing, starter, transmission, torque ball coupler, hydraulic clutch master.

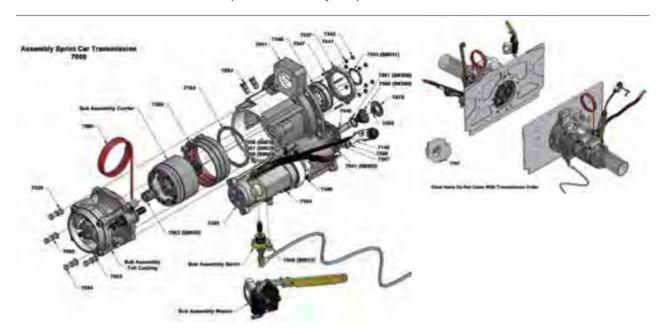




Bert Sprint Transmission

- All new clutch and gear system A true neutral
- A direct drive that give you the same power response.
- · One lever does it all. First, Neutral, and Direct.
- Now Sprint Cars can use the same dependable set-up that cranks up countless Late Models, Modifieds, and other race cars every weekend.
- Over all length of 9.625" from fire wall to center of U-joint.

The integrated bellhousing and transmission case has provision to accept most popular back cam driven power steering pumps. The torque ball insert replacement sleeve eliminates costly maintenance. Torque ball insert replacement available to suite different ball size and eliminate replacement of costly components.





Sprint Car Starter





Sprint Car Starter

Start your sprint car without using a push truck! You just simply need to take off your rear cover and pull out your gears and slip on this starter in place. It comes with a remote starter button. All you need to do is hook it to a 12V battery and you are ready to make some noise.

Part # SPC-STR **Description**Sprint Car Starter

















Part #	Description
K-028	Brake Disc
K-030	Rear Axle Steel
K-031	Rear Hub
K-032	Sprocket Hub
K-033	Lock Collars
K-034	Brake Disc

Bellhousings

Northeast Modified Chevy/Ford



Chevy/Ford NE Modified
Less Flywheel & Coupler
Aluminum..300-CF-NFC
Magnesium..300-CF-NFC-MAG



Chevy Late Model
Less Flywheel & Coupler
Aluminum..301-C-NFC
Magnesium..301-C-NFC-MAG



Ford Late Model Less Flywheel & Coupler Aluminum..301-F-NFC Magnesium..301-F-NFC-MAG

Note: Please call for other Make & Model Belhousings.

Magnesium Bellhousing

For the racer who demands strength with performance, Bert's late model magnesium bellhousing provides both in a lighter and stronger package.



Bellhousing Replacement Parts

Part # 303 304 305 306 307 308 309	Description Idler Gear with Bushing Idler Gear Bushing Casting Late Model Idler Gear Shaft Bellhousing Plate - Late Model Idler Gear Spring Idler Gear Washer	303 307 307-M	•
310	Idler Gear Shaft Grease Fitting	a	
310	310	306	

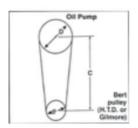


Flywheels & Couplers





How to **Determine** your Belt Length



- L = Belt length
- C = Center to center distance (to be measured on your own setup)
- D = Pitch diameter of large pulley
- d = Pitch diameter of small (Bert) pulley d for HTD (22 round teeth) = 2.2 d for Gilmore (18 square teeth) = 2.15
- L = 2C + 1.57 (D + d)

Ex. If C = 8" 2 C = (8" + 8"=16) D = 3.5" (D + d) = (3.5" + 2.2" = 5.7") d = 2.2"

1.57" (D + d) 1.57" x 5.8" = 8.949" 16 + 8.949 = 24.949" Belt Length = 24.949"

For HTD (Metric) x answer by 25.4 for belt #.0

Couplers







Drive Flange Late Model - Chevy

Steel Gilmer Hub	371-G
Steel HTD Hub	371-H
Aluminum Gilmer Hub	371-L-G
Aluminum HTD Hub	371-L-H





Flywheel Shims

Flywheel Shim......324 Flywheel Shim New Chevy.....324-NC

Flywheels





Two-Piece Flywheel

Flywheel	Ring	Chevy370
Flywheel	Ring	Offset

.080 more..... ...370-NYM Uses less shims.





Flywheel Ring	Ford	370-F
Flywheel Ring	Ford Windsor	370-WIN

- A.) Two-piece design allows changing of ring gear or hub.
- Smallest & lightest flywheel available
- HTD or Gilmore hubs made from high strength steel or 7075 T6 aluminum.



Drive Flange

Part #	Description
7	Chevy Coupler
7-A	Chevy Aluminum Coupler
7-B	Buick Coupler
7-BV6	Buick Coupler V-6/4.1L
7-D	Dodge 340-360 Coupler
7-DH	Dodge Hemi 8 Holes Coupler
7-F	Ford 340/360Coupler
7-F429	Ford 429 Coupler
7-G	Chevy Coupler with Gilmer Drive
7-H	Chevy Coupler with HTD Drive
7-LS1	Chevy LS1 Coupler
7-NC	New Chevy 3 Inches Coupler
7-0	Oldsmobile 455 Coupler
7-P	Pontiac 455 Coupler
7-PIN	Pinto 1600-2000 Coupler
7-PIN2300	Pinto 2300 Coupler
7-P2000	Pontiac 2000 C.C. Coupler

Transmission Rebuild Kits

Description	Part #
Modified Basic Kit	90
(6) Radius Tooth Clutch Disk	26
(1) Front Oil Seal	29
(1) Rear Oil Seal	52
(2) Shifter Seal	49
(1) O-ring	15
(1) Piston 1-3/8"	61-K
(2) Fork Retaining Pin	71
(2) Frost Plug 3/4" Cup	76

Description	Part #
Modified Full Rebuild Kit	92
(6) Radius Tooth Clutch Disk	26
(1) Front Oil Seal	29
(1) Rear Oil Seal	52
(2) Shifter Seal	49
(1) O-ring	15
(1) Piston 1-3/8"	61-K
(2) Fork Retaining Pin	71
(2) Frost Plug 3/4" Cup	
(1) Front Input Bearing	32
(1) Output Bearing (modified)	51
(2) Radial Needle Roller	20
(2) Cage Needle Bearing	45
(2) Cage Needle Bearing	74
(3) Thrust Needle Roller	18
(2) Thrust Washer 90	19.090
(4) Thrust Washer 60	
(1) Thrust Washer 30	19.030

Description	Part #
Late Model Basic Kit	91
(6) Radius Tooth Clutch Disk	26
(1) Front Oil Seal	29
(1) Late Model Rear Oil Seal	65
(1) Extension Bushing	60
(2) Shifter Seal	49
(1) O-ring	15
(1) Piston 1-3/8"	61-K
(2) Fork Retaining Pin	71
(2) Frost Plug 3/4" Cup	76

t#
K
090
060
030

Flywheels



311-NC



311-0







1 Pc Modified Flywheel

Description	Part #
Dodge Modified	311-D
Dodge 360 Ext. Bal	311-D360-EXT.B
Dodge Hemi	311-DH
Ford 429/460 Modified	311-F429
Modified LS1	311-LS1
New Chevy 3"	311-NC
New Chevy 3" Ext Bal	311-NC-EXT
Oldsmobile Modified	311-0
Pontiac Modified	311-P
Pontiac 2000 Modified	311-P2000
Pinto 1600 & 2000 Mod	311-PIN
Pinto 2300	311-PIN2300
Sprint Car	311SC
Flywheel Modified 454	312

One Piece Flywheels



1 Pc Late Model Gilmore Flywheel

318-NC

318-F429

Description	Part #
400 SB Ext Bal Gilmore	318-400
Belt Guide Washer	318-BG
Dodge Gilmore	318-D
Dodge R5 Gilmore	318-D-R5
Dodge Hemi Gilmore	318-DH
Ford R5 Gilmore	318-F-R5
Ford 429/460 Gilmore	318-F429
New Chevy 3" Gilmore	318-NC
Oldsmobile Gilmore	318-O
Pontiac Gilmore	318-P
Pontiac 2000 Gilmore	318-P2000
Pinto Gilmore	318-PIN
Pinto 2300 Gilmore	318-PIN2300



Sprint Car Flywheel

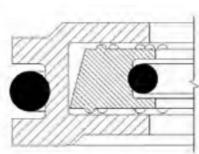
Description	Part #
Sprint Car Toyota Flywheel.	7040T
Sprint Car Crate Flywheel	CT525
Modified Crate Flywheel	CT-525-005



1 Pc Late Model HTD Flywheel

Description	Part #	320-SL1
•		320-3E1
HTD Ext. Bal. for 400C		
Dodge HTD	320-D	
Dodge R5 HTD		
Dodge Hemi HTD	320-DH	
Ford R5 HTD	320-F-R5	
Ford 429/460 HTD	320-F429	
HTD LS1	320-LS1	
New Chevy 3" HTD	320-NC	
New Chevy 3" Ext. Bal	320-NC-EXT	-
Oldsmobile HTD		
Pontiac HTD	320-P	
Pontiac 2000 HTD	320-P2000	
Pinto 1600 & 2000 HTD	320-PIN	
Pinto 2300 HTD	320-PIN230	0
LS3	320-SL1	







Bert engineering has been working with tiger rear ends performing tests on ways to minimize power loss through the drivetrain. One of the least expensive and effective ways to reduce power loss was the installation of Bert's new low drag seals for the wheel hubs. Use them on all four corners and save four times as much.

Now, no need to replace seal every time you grease the bearing. This seal can be removed and reinstall without any damage.

FRICTIONLESS

Friction is the enemy of a race car, and there's almost no drag with this seal, resulting in increasing HP to your wheel!



CTD Wide Five Hubs



CTD Wide Five Hubs

Made of alloys developed for aerospace thrust reversers and turbine impellors, the BERT wide five hubs deliver strength with lightweight and good looks. The alloys used were developed for use where facture resistance characteristics are essential. The H-beam design of the arms is very rigid, while reducing rotating weight at the outer diameter.

Description Part #

NYM-H01-KIT CTD Wide Five Hubs

NYM-H01-RR CTD Wide Five Hubs (Race Ready)

«Using the low drag system that Bert has developed has help the team concentrate on other parts of the race car needing no maintenance, easy installation and durability that it provides. While using these hubs we are freeing up valuable horse power that gives us that edge our competitors.» Scott Jeffries, crew chief Billy Decker

NYM-H01 Kit Includes:

1 x Dust Cap Kit 5 x Wheel Stud 2 x Cup 1 x Circle Clip

NYM-H01-RR Kit Includes:

1 x Dust Cap Kit 5 x Wheel Stud 2 Cup 2 Bearing Preloaded 1 Seal CTD-005-NS 1 x Spacer All grease Ready to Install

The Silverstar

Lightweight Wide-5 Hub

Unlike other hubs, the bearing housing is designed to prevent that grease migrate in the hub, to eliminate recurrent maintenance in this area.

CTD-001-Kit Includes:

5 x Wheel Stud 2 x Cup 1 x Circle Clip

CTD-001-RR Includes: 1 Drive Flange CTD-016 5 x Wheel Stud 2 Cup 2 Bearing

1 Seal CTD-005-NS All grease Ready to Install

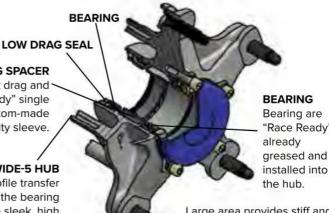
Design:

BEARING SPACER

To ensure the lowest drag and precision, each "Race Ready" single hub comes with a custom-made aluminum aircraft quality sleeve.

WIDE-5 HUB

The unique H-Beam profile transfer forces effectively to the bearing housing, resulting a sleek, high strength-to-weight ratio racing hub.



BEARING Bearing are "Race Ready", already greased and

Large area provides stiff and steady wheel mountings.

Geometry: Standard Wide-5 interface Bearings:

Ø 10-1/4" Wheel stud circle

5 x Ø 5/8" Studs Ø 7" Rotor bolt circle 8 x Ø 5/16" Rotor bolts

Ø 4.7" Drive flange/dust cap bolt circle 5 x Ø 7/16" Drive flange/dust cap bolts

3-1/2" Rotor offset (Standard for Wide-5)

High strength aluminum alloy

Low rotation inertia Oversized mounting surfaces

Sunken studs - Integrated drive flange mts

2 x CTD's special tapered roller type

(32 rollers)

Rigid back-to-back arrangement

Adjustable pre-load Maintenance free housing

Weight: 4 lbs 6 ounces - Hub only

6 lbs 4 ounces - Including studs & races

Part # Description

Race Ready Rear Hub Complete Assy CTD-001-RR

CTD-001 **Rear Hub Only**







CTD-005 CTD-005-TFE CTD-005-NS

Description Regular Seal Teflon Seal O'Ring Seal

Bert Modified Drive Shaft



Modified Driveshaft Gundrilled Driveshaft

Modified	Application	Open Drive
Part #	Length	Spline
250	14"	16 x 16
251	16"	16 x 16
252	18"	16 x 16
253	20"	16 x 16
254	22"	16 x 16
255	24"	16 x 16
256	26"	16 x 16
257	28"	16 x 16
258	30"	16 x 16

Application Closed Drive

Modified	Application	Open Drive
Part #	Length	Spline
259	14"	16 x 10
260	16"	16 x 10
261	18"	16 x 10
262	20"	16 x 10
263	22"	16 x 10
264	24"	16 x 10
265	26"	16 x 10
266	28"	16 x 10
267	30"	16 x 10

Driveshaft

- A.) Gundrilled for lighter weight
- B.) Small diameter takes less room
- C.) Will not dent with stones or other debris
- **D.)** Fully floating at both ends (giving you a freer suspension)

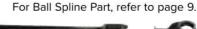


Ball Spline Drive Shaft

Ball Spline Drive Shaft Get rid of the hidden bind

In order for the rear end to move freely, the driveshaft must be able to telescope freely. The following technical article from the SAE explains the advantage of our exclusive Ball Spline System.

To find the driveshaft lenghts at the ride height, measure from the face of O.C. Yoke to face of transmission -2".





240-(specify length) Ball Spline Driveshaft

Rolling Element Splines

Various rolling element spline mechanisms have been designed to reduce the axial force required to slip a spline while transmitting torque. While basically higher in cost, they offer numerous advantages which can justify their usage.

They show inherently much lower coefficients of friction not only while moving, but also on breakaway or starts. In result the lower thrust pulses and forces on connected components and bearings. The rolling action avoids galling and subsequent interference of mating sliding components and the resultant extremely high thrust forces. Therefore, drivetrain components failures are less apt to occur and it may even become possible to consider lighter components in the connected units. Generally these devices can be lubricated for life at assembly and not require further attention or maintenance. However, in some applications relubrication means are provided.



Ball Spline Yoke



Bolt-On Spindle

Bert Bolt-On Spindle 8 Bolt Spindle (For Wide 5 Hubs)

Part #	Description
527	Non-Heat Treated 8 Bolt Spindle
528	Heat Treated 8 Bolt Spindle



CTD Quick Change Side Bell

CTD Quick Change Side Bell

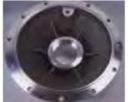
Available in aluminum or recently perfected lightweight magnesium, the CTD quick change side bells are rapidly becoming the state-of-the-art in rear drive technology. No longer does a damaged tube mean loading the car. In literally a few minutes, without heat, drilled or a press. A new tube can be installed without even draining the oil! Even the birdcages are pre-located featuring the six rib design for ring gear stability. These side bells are simply the only way to go!

- · No need to remove the side bells.
- · No need to press the old tube.
- · Out of the side bell.
- · No need to heat bell or tube.
- · No drilling or tapping required.
- · No need to retime birdcage.

Part #	Description
CTD-200	Right Side Bell Kit
CTD-201	Left Side Bell Kit

Just loosen CTD's patented taper lock and remove the safety pin. Reinstall the new tube, taper lock and safety pin and you are done! The setting of birdcage is a new change.

Kit included: Main bell, taper lock, safety lock pin, fastener. Note: A CD available for all maintenance required.



New CTD Side Bell

CTD Side Bell

Our constant R&D has once again resulted in a better mousetrap by redesigning the rear end side bell to incorporate six stiffening ribs, we achieve greater ring gear stability in a light and strong bell. Bert has acquired new state-of-the-art foundry equipment to control quality in our magnesium parts throughout the manufacturing process.

Gundrilled Lower Shaft & Yokes



Gundrilled Lower Shaft and Yokes Late Model Modified & Sprint Car Applications

Description

Lower Shaft Open Drive Lower Shaft Closed Drive Front Quick Change Aluminum Yoke Note: Direct replacement for standard quick change rear end

Bert Smart Spool

Bert Smart Spool

Bert and CTD have been working with Tiger Rear Ends to further improve the rear drive with the innovative smart spool. The spool is bored and splined through with the industry standard 31 spline design. The outer portion of each side of the spool is machined with a larger 33 spline pattern. The smart axle is shouldered (similar to a driveshaft) eliminating the need for the axles to butt against each other. (with adjusting bolts) The result is a two inch saving in axle length. Added to the 3 inch saving of the smart drive system translates to axles which are amazing five inches shorter per side. The weight saving is equal to cutting ten inches off an axle and every bit of it is unsprung weight.

Part # Description CTD-200-17 Spool



The SmarTube

Monocoque All Aluminum Axle

Previous Systems

SmarTube

Axle	Late Model	NY Modified	SmarTube	Axle	
Length	Tube Length	Tube Length	Tube Length (L)*	Length	Part #
28-1/4"	16-5/8"	15-1/8"	20-3/16"	25-1/4"	CTD-017-20 3/16
29-3/4"	18-1/8"	16-5/8"	21-11/16"	26-3/4"	CTD-017-22 3/16
31-1/8"	19-3/8"	17-7/8"	22-3/16"	28-1/4"	CTD-017-21 11/16
32-1/8"	20-3/8"	18-7/8"	23-15/16"	29-1/8"	CTD-017-24 9/16
32-5/8"	21"	19-1/2"	24-9/16"	29-5/8"	CTD-017-25 1/16
33-1/8"	21-1/2"	20"	25-1/16"	30-1/8"	CTD-017-26 1/16
34-1/8"	22-1/2"	21"	26-1/16"	31-1/8"	CTD-017-27 1/16
35-1/8"	23-1/2"	22"	27-1/16"	32-1/8"	CTD-017-28 1/16
36-1/8"	24-1/2"	23"	28-1/16"	33-1/8"	CTD-017-30 1/16
37"	25-1/2"	24"	29-1/16"	34"	CTD-017-20 1/16
39-1/8"	26-1/2"	25"	30-1/16"	35-1/8"	CTD-017-28 1/16

*Specify tube length (L) when ordering.

Geometry:

Std Quick-Change Interface Ø 3" OD (Tube section) Ø 2-7/8" OD (Axle section) Ø 2-1/2" ID (Entire length)
Tube length (L): 20-3/16" to 30-1/16" (Refer to SmarTube equivalency chart)

Design:Monocoque-Means strength & simplicity High strength aluminum alloy - Al 7075 Low weight design Oversized axle Oversized driveshaft tunnel

Bearings: 2 x CTD's special tapered roller type (32 rollers) Floating arrangement Adjustable pre-load Maintenance free housing

Weight:

5 pounds flat - L= 23-15/16"

Tube Extractor Nut CTD-024

Because the drive flange is sunk into the oversize driveshaft tunnel, SmarTubes are shorter than any other axle for the same rear end track width. This length saving also affects the driveshafts that are 3" shorter on a car using SmarTubes. Besides saving weight, this configuration reduces driveshaft torsion and improves throttle response.

Unlike some other axles, the SmarTube is CNC machined from a single piece of 7075 aluminum. The result is a very light, strong, and rigid racing axle.

> SmarTubes monocoque construction eliminates the use of fasteners between the snout and tube which saves weight, simplifies assembly and increases the structural integrity of the axle. (Statement applies mostly for Modified Series)

Oversized driveshaft tunnel prevents contacts between axles and the driveshaft. This extra space also simplifies driveshaft installation and removal.

SmarTubes are designed to operate with a race proven multi-position locknut system that is steady and easy to use. It has locking position at every 1/60th of a turn for high precision bearing pre-load adjustments.

Because timing the bird cage is always a critical part to success on a race car, the Bert Smart Tube have a small guideline for an easier and efficient timing!





45 Time Track/Series Champion; 210 Victories



Bert Smart Axle





Hub Locknut Kit CTD-021

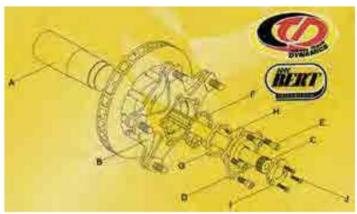
Contains: 1 Hub Locknut

1 Hub Lock Ring

1 Hub Safety Screw

Lock Ring Tool CTD-010

(Highly recommended for assembly & disassembly)



The Smart Drive Rear Wheel Assembly

CTD (Circle Track Dynamics) a division of Bert Engineering, introduced the Smart Drive System in 2002. Since that time it has become the standard for performance-conscious drivers. Eliminating the fifty year old eight bolt spindle system immediately resulted in vastly improved reliability. The 3 inch reduction in the length of each drive axle made them lighter and reduced each drive axle for power stealing flex. The system reduces unsprung weight at each end by over ten pounds.





Bert Smart Axle

Bert Smart Axle

The Bert smart axle has been designed to be used with the Bert smart spool. The 33 spline allows the outside diameter of the axle. It makes it larger with a wall thickness increasing strength and decreasing weight. The axle is equipped with the exclusive Bert shoulder design that allows another length reduction of 2 inches.

Switching from the standard 31 spline axle to the revolutionary Bert smart axle means a 5 inch shorter axle which improves weight reduction on the CTD smart tube set up.

W5	W5	Smart	Smart	Tube	Axle
Axle Tube	Axle Length	Tube		LH	RH
	24-31	Overall Length	24-31	24-33	24-33
16.625"	28-1/4"	20-3/16"	25-1/4"	22.5375"	23.900"
18.125"	29-3/4"	21-11/16"	26-3/4"	24.0375"	25.400"
19.375"	31"	22-15/16"	28-1/4"	25.2875"	26.650"
20.375"	32"	23-15/16"	29-1/8"	26.2875"	27.650"
21.000"	32-5/8"	24-9/16"	29-5/8"	26.9125"	28.275"
21.500"	33-1/8"	25-1/16"	30-1/8"	27.4125"	28.775"
22.500"	34-1/8"	26-1/16"	31-1/8"	28.4125"	29.775"
23.500"	35-1/8"	27-1/16"	32-1/8"	29.4125"	30.775"
24.500"	36-1/8"	28-1/16"	33-1/8"	30.4125"	31.775"
25.500"	37"	29-1/16"	34"	31.4125"	32.775"
26.500"	38-1/8"	30-1/16"	35-1/8"	32.4125"	33.775"



Part #	Spline	Overall Length	Part #	Spline	Overall Length	
225	24-33	22-1/2	230	24-33	27-3/8	
226	24-33	24-1/2	231	24-33	29-5/8	
227	24-33	25-7/16	233	24-33	31-7/8	
228	24-33	26-7/8	234	24-33	32-3/4	
229	24-33	27-1/16	235	24-33	33-3/4	
			Call for Spec	Call for Special Length		



Bert Smart Axle



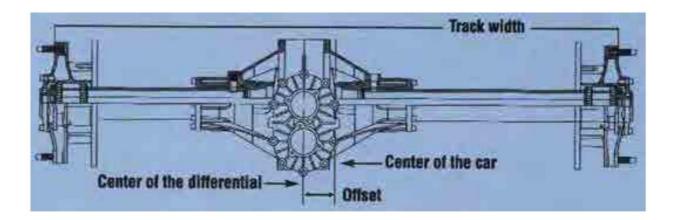


How to find the right smart tube, axle tube, and smart axle for your car

Example: You need 60-3/4 inches of track width with 1 inch offset.

First determine your rear end track width (distance between hubs) then subtract 9.75 inches. 60-3/4 - 9.3/4 = 51 is your tube length for both sides. Next step is 51 divide by $2 = 25 \frac{1}{2}$ per side. You now want to determine each side with 1 inch offset.

left side (25 1/2 - 1" offset - 24 1/2) right side (25 1/2 + 1" offset - 26 1/2) This will give you the smart tube length



How to find 33 spline axle length

Example: left side: smart tube length + $2 \frac{1}{2}$ (24 $\frac{1}{2}$ + $2 \frac{1}{2}$ = 27 inch axle)

right side: smart tube length + 3.812 (26 1/2 + 3.812 = 30 5/16)

How to find 31 spline axle length for smart tube

left side and right side: smart tube length + 5.0625 (left 24 1/2 + 5.0625 = 29.9/16) (right 26 1/2 + 5.0625 = 31.9/16)



Bert New Wave Brake Rotor

Bert New Wave Brake Rotor

Bert engineering is offering an interesting alternative to the times spent of safety wiring your rotor bolts. The answer is the nord-lock. This unique securing system used tension to make the bolt self locking from cold to hot and from hot to cold your rotor will not loosen.





Applications: Late Model, Modified, Sprint Car, Kart, Kart 125 cc Formula 1600 & 2000 cc Part # Description

540	New Wave Rotor 1/2" x 11.75 (8 Holes) Application: L.M. Front & Rear
541	New Wave Rotor 1/2" x 12.19 (8 Holes) Application: Modified Rear
543	New Wave Rotor 1/2" x 12.00 (3 Holes) Application: Modified Front
544	New Wave Rotor 3/8" x 12.00 (3 Holes) Application: Modified Front
544-1	New Wave Rotor 3/8" x 12.00 (8 Threaded Holes)
544-2	New Wave Rotor 3/8" x 12.00 (8 Holes)
544-3	New Wave Rotor 3/8" x 12.19 (8 Holes)
545	New Wave Rotor 3/8" x 11.00 (3 Holes) Application: Sprint Car Front
546-L	Std Billet Rotor .810 Rotor Left (12.19)
546-R	Std Billet Rotor .810 Rotor Right (12.19)
547-L	Wave Billet Rotor .810 Rotor Left

547-R Wave Billet Rotor .810 Rotor Right

Bert New Wave Brake Rotor







CTD Front Spindle

CTD Front Spindle

Rather than use steel for the axle and then struggle with the weight of the remaining assembly. CTD's designers borrowed from the very successful SMART TUBE system and designed a spindle assembly employing the same large diameter, low drag seals and bearings rotating on an aluminum axle. With a lightweight axle with rigidity coming from it's large diameter, no compromises are needed on the rest of the spindle. When required, a steel axle model is also available.

Part # Description

504-CTD CTD Wide Five Hubs Right (Aluminum)
504-CTD-STEEL CTD Wide Five Hubs Right (Steel)
510-CTD CTD Wide Five Hubs Left (Aluminum)
510-CTD-STEEL CTD Wide Five Hubs Left (Steel)





510-CTD

Steel

504-CTD-STEEL

Spindle made from a 7075-T6 forging



Part #	Descripition
600-L	Spindle Assembly Left
600-R	Spindle Assembly Right
602-L	Left Arm
602-R	Right Arm





Part # Description
NYM-026 Front Shock Tower



Bert Spindle Straight Axle Spindles for Modifieds

Choose your winning spindle combination. Built with space age technology, you now have the largest choice of straight axle spindles on the market.

- A) Available in 3 snout size (1) 6 pin long (2) 6 pin short (3) Wide five
- **B)** 3 Different King Pin Axles (1) The popular 10° inclination (2) The hot pavement pair at 4° lefthand and 6° righthand (3) Lefthand combination. Drag link and steering arm incorporated into spindle bosses.
- C) Unique serrated lefthand arm for adjustment permits quick and safe left wheel turning speed adjustments.
- D) All spindle bosses are presized and honed to fit popular .859 king pins.
- E) Bert gun drilled lightweight king pins are also available.

In case of racing mishaps causing spindle damage, spindles can be disassembled for repair with new parts, snouts, arms, bosses, & etc.

Part #	Description
500-L	10° Wide 5 L/H
500-R	10° Wide 5 R/H
501-L	10° 6 Pin Short L/H
501-R	10° 6 Pin Short R/H
502-L	10° 6 Pin Long L/H
502-R	10° 6 Pin Long R/H
503	10° Wide 5 R/H with Single Arm
504	10° 6 Pin Short R/H with Single Arm
504-CTD	10° R/H for CTD Hub
505	10° 6 Pin Short L/H with Single Arm
506	10° 6 Wide 5 L/H with Single Arm
507	10° 6 Pin Short L/H with Single Arm
508	10° 6 Pin Long L/H with Single Arm
509	10° Wide 5 Long L/H with Combo Arm
510	10° 6 Pin Short L/H with Combo Arm
510-CTD	10° L/H for CTD Hub
511	10° 6 Pin Long L/H with Combo Arm

Hub Assembly

Part # Description 530 Hub Assembly



Note: All spindle parts are available for rebuilding repair and updating.

Part # Description NYM-032 For a 1-1/4" Tube (Rear Shock) NYM-034 For a 1-1/2" Tube (Front Shock)







Shock Mounts

These Bert Shock Mounts are heavy duty and are stronger than standard shock mounts.

Shock Mounts



*CE)

Throttle Management Kit



Throttle Management Kit

Throttle management, at your gas pedal, when properly adjusted can eliminate tire spin.







MOD Front Axle Device

MOD Front Axle Device Front Panhard Bar Adjuster

This new unit makes the front panhard bar adjustments quick and easy with a 1/2" socket or wrench. Providing almost 3 inches of travel. It can be installed on any Northeast Modified chassis with 1-1/2" diameter shock mount.

Part # Description

PHBF Front Panhard Bar Adjuster

Front Panhard Bar Axle Bracket

It can be installed on any conventional, northeast modified front axle. This bracket offers 3 fixing locations for a good panhard bar adjustments depending on track conditions.

Part # Description

NYM-014 Front Panhard Bar Axle Bracket



Front Axle Bracket

Made from aircraft aluminum, available in blue or black.

Part # NYM-015-BICKNELL NYM-015-TEO NYM-015-TRROYER

Description (Bicknell) (Teo)

(Troyer)



Rear Torsion Arm

Rear Torsion Arm

Bert engineering has taken great care to provide the racer with the highest quality torsion arms. Machined from 7075-T6, these arms include a surface hardened wear plate with rounded edges to give virtually unlimited service under the most demanding conditions.

Part # Description

NYM-020-A Rear Torsion Arm 19.5" NYM-020-B Rear Torsion Arm 21"





Torsion Roller

Torsion Roller

The Bert Torsion Roller are also surface harden and manolite treated. Manolite does two things. It prevents rust and increases hardest. O'Ring sealing arrangement keeps grease inside and dirt outside, to have the high quality needle bearing clean and free.

Part # NYM





Front Caliper Bracket Kit

Front Caliper Bracket Kit

This kit includes all necessary hardware for an easier installation. The blue nut locks itself with the upper boss of the spindle, leaving only the 5/16" bolt to be tighten.



Part # Description 551-K Front Calipe

Front Caliper Bracket Kit for 3.75 Hardware Installation Kit

553 Bolt Kit

Front Caliper Bracket Kit for Powerlite Caliper 11-3/4 rotor

Smart Tube to Northeast Modified Torsion Bars

Smart Tube to Northeast Modified Torsion Bars

For smart tube installation on northeast modifieds such as Teo and Bicknell these new birdcages are truly the hot set-up. Located by special keys which fit into keyways in the bracket, birdcage timing is fast and repeatable. The keys act as a fuse to shear on hard impact usually avoiding more serious damage to the tubes and suspension.

Part # CTD-050	Description Smart Tube to Northeast Modified Torsion Bars (Can be used for Left or Right)	
CTD-050-R CTD-050-L	Smart Tube to Northeast Modified Torsion Bars Adjustable - Right Smart Tube to Northeast Modified Torsion Bars Adjustable - Left	
CTD-050-15	Stud	Adjustable

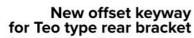
Offset Key Way

When increase pinion angle for rear end rotation, timing birdcages becomes critical. With Bert's new offset keyway for birdcages, the process is simple. Available in 0, 1, 2, 3 degrees, allow you to align birdcages in a proper position.

Part #	Description
CTD-050-17-0	0 Degree
CTD-050-17-1	1 Degree
CTD-050-17-2	2 Degree
CTD-050-17-3	3 Degree



Smart Tube to Coil Over



For racer that use different pinion angle, Bert introduces an offset key way to retimed the torsion bar bracket to a straight position.

Smart Tube to Coil-Over

For rear coil-over applications, these birdcages adapt the smart tubes to Teo, Bicknell, and similar northeast modifieds.

Part #	Description
CTD-049	Coil Over Birdcage

Coil Over Adaptor

Coil Over Adapter

With certain track conditions, some drivers believe that a four-coil modified is the answer. Now Bert engineering has developed a bolt-on conversion for Teo and Bicknell torsion bar cars which enables you to switch the rear to coil-over quickly, even at the track!

Part #	Description
NYM-024	Coil Over Adapter

Caliper Bracket

Caliper Bracket

The same caliper bkt that has been used with Bert's coil over and torsion bkt. They are available in 1/2 thick. Part # CTD-050-20 CTD-054-MI NYM-029 NYM-030

Description

Caliper Bracket Bracket Clamp for Birdcage Short Rear Top Shock Mount Long Rear Top Shock Mount







Clamp on Caliper Bracket

Clamp on Caliper Bracket

This clamp is part of the left side birdcage kit. It is available for superlight and the dynalight caliper bolt pattern.

Part # CTD-054L

CTD-054L Fits Dynalite Caliper for 11-3/4" Rotor CTD-054LI Fits Dynalite Caliper for 12.19" Rotor CTD-054M Fits Superlite Caliper for 11-3/4" Rotor CTD-054MI Fits Superlite Caliper for 12.19" Rotor

Description



Adjustable Torque Arm

Adjustable Torque Arm

The easiest way to set up your rear end pinion angle that you need. Bert's adjustable torque arms replace anything available on the market by his unique design. The serration on both pieces prevents displacement of adjustment.

Depending on track condition or frame height changed, the pinion angle could be changed at the race track in just a few minutes.

By loosening four bolts you can increase or decrease the pinion angle of 5 degrees. Bert's two piece torque arms also include adjustment holes for the front rubber bushing. Cars equipped with a sliders allow from 28" to 31-1/2" of length.

(Only one does it all)

Part # Description

NYM-017-02 Torque Arm Kit adjustable 2 piece







Mud Cover

Mud Cover

Really Tough and Extra Durable!! If this breaks, than you have more problems other than your mud cover.





Power Steering and Alt Bracket



Power Steering and Alternator Bracket

The simple and efficient way of installing and driving an alternator.

Power steering pump mounting bracket and hardware.



Part #	Description
364-K	Installation Kit
364-01	Power Steering Bracket
364-02	Power Steering Spacer
365-K	Alternator Installation Kit
365-02	Alternator Pulley
365-03	Alternator Water Pump Pulley
365-04	One Piece Alternator Water Pump Pulley
	with Fan Spacer



Pinion Panhard Bracket

Pinion Panhard Bracket

The CTD quick adjustable panhard bracket was designed to enable the panhard bar. Up and down adjustment can be change in record times. The new gear nut adjustment does not require removal of the panhard bar bolt, just loosen the bolt.

A simple rotation of the gear nut will provide the needed panhard bar height with ease and speed.

DescriptionPinion Panhard Bracket

Panhard Mount

Panhard Bar Mount

The light mechanical design of Bert's panhard mount creates a smooth operation in a stationary or racing function.

The quality of aluminum makes this device the strongest panhard mount on the market.

Part #	Description
410-B	Panhard Mount (Bicknell)
410-T	Panhard Mount (Teo/Trover)







Bert Gundrilled and Solid Axle

Bert Gundrilled and Solid Axle

Designed with our exclusive solid end, Bert's axles won't break and damage your expensive spool. Bert axles are built by racers for racers!



Nobody has ever built a better axle! Gundrilled Rear Axle 31 Spline x 24 Spline

Part #	Description	Note: To order solid axle
208-C	25-1/4"	add a (S) after gun drilled
210	28-1/4"	axle part #.
210-01	29-1/8"	axie pare ".
211	29-3/4"	Example Part # 210-S =
212	31-1/8"	28 1/4" Solid Axle
213	32-1/8"	20 1/4 Solid Axic
214	33"	
215	34-1/8"	
216	35-1/8"	
217	35-5/8"	
218	36-1/8"	
219	36-5/8"	
220	37"	ecces , y at a
221	38-1/8"	
		TRANSMISSION



Two Piece Axles

Two-Piece Axles for Legends and Dwarf Cars

- A) New design, two-piece axle that puts reliability into your dwarf car
- B) Built with the same quality steel used in our superior gun drilled axles.
- C) Tapered and keyed flange uses Toyota and VW bolt circle.







Rear End Aluminum Yoke

Rear End Aluminum Yoke

Bert introduced the rear end aluminum yokes specifically for the Tiger Rear Ends. This new lightweight beefed up pinion yoke comes with quality nuts.

Part # Description 292 Yoke 292-01 Highnut







Radius Rod





Radius Rod

Description
1 1/4" O.D. Aluminum Radius Rod X 17"
1 1/4" O.D. Aluminum Radius Rod X 17.5"
1 1/4" O.D. Aluminum Radius Rod X 18"
11/4" O.D. Aluminum Radius Rod X 27.5"
11/4" O.D. Aluminum Radius Rod X 28"
11/4" O.D. Aluminum Radius Rod X 47.5"
1 1/4" O.D. Aluminum Radius Rod X 48"
11/4" O.D. Aluminum Radius Rod X 64"
11/4" O.D. Aluminum Radius Rod X 65"
1 1/4" O.D. Aluminum Radius Rod X 66"
1" O.D. Aluminum Radius Rod X 15"
1" O.D. Aluminum Radius Rod X 19"
1" O.D. Aluminum Radius Rod X 19.5"
1" O.D. Aluminum Radius Rod X 20"
1" O.D. Aluminum Radius Rod X 21"
1" O.D. Aluminum Radius Rod X 24.5"
1" O.D. Aluminum Radius Rod X 25"
1" O.D. Aluminum Radius Rod X 25.5"
1" O.D. Aluminum Radius Rod X 26
t





Hollow Anti-Roll Bar

Hollow Anti-Roll Bar Modified and Sprint Car Application



30 Inches x 1-1/8" (4 Inches Shoulder)

Part #	Description
180-30	30" x 150
181-30	30" x 200
182-30	30" x 250
183-30	30" x 300
184-30	30" x 350

30 Inches x 1-1/8" for Anti-Roll Bar Disconnect 4 & 5-1/2 Inches Shoulder Overall Length 31-1/2"

Part #	Description
180-31.5	30" x 150
181-31.5	30" x 200
182-31.5	30" x 250
183-31.5	30" x 300
184-31 5	30" v 350

34 Inches x 1-1/8" (4 Inches Shoulder)

Part #	Description
190-34	34" x 300
191-34	34" x 350
192-34	34" x 400
193-34	34" x 450

36 Inches x 1-1/8" (4 Inches Shoulder)

Part #	Description
190-36	36" x 300
191-36	36" x 350
192-36	36" x 400
193-36	36" x 450

34 Inches x 1-1/8" (4 Inches Shoulder)

Part #	Description
194-01-34	34" x 500
194-02-34	34" x 550
194-03-34	34" x 600
194-04-34	34" x 650
194-05-34	34" x 700
194-06-34	34" x 750
194-07-34	34" x 800



Bert Torsion Bar 21st Century Series

Torsion Bar 21st Century Series Hollow and Solid



Solid Torsion Bar 29 x 1-1/8

Part #	Description
162-S	29 x .875
163-S	29 x .900
164-S	29 x .925
165-S	29 x .950
166-S	29 x .975
167-S	29 x 1.000
168-5	29 x 1025

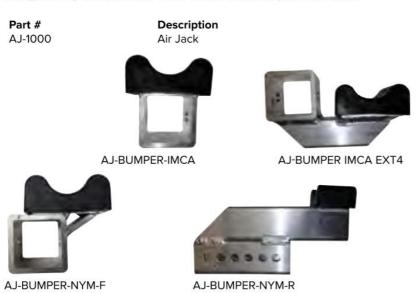




Air Jacks

Bert Aluminum Air Jacks

An aluminum bumper jack rated for 2500 lbs Wow! Hundred of units are in services on East Coast Modified, Imca, Ump Modified, Legend, and all types of Open Wheel Cars. The Bert Air Jack is a reliable tool for racers. The 95% aluminum construction makes this jack handy and easy to use. At only 60 lbs, this unit is a plus for the race teams, race track infields, race shops, or just for your daily maintenance or car cleaning. An airline kit can also be installed in the car. When installed, only one air hose is required from the air pressured source leaving the working area clear of air hose, jack stand, and floor jack. It lifts the car to 36" high in a matter of seconds and is equipped with a strong safety lock for more security. It also folds away for easy storage during transportation which is sure to please your race team.







Tire Machine





Bert Tire Machine

The live saver! Don't waste your time to grinding, cutting or siping your tires. The Bert Tire Machine is a machine that does the work that nobody wants to do. This unique tool is easy to carry. It also has a touch screen display makes it very easy to use, simply follow the indication and make your choice.

- Grind
- Sipes
- Needling

This machine can prep any dirt tire

- · Late Model
- Modefied
- Sprint Car
- Dirt Oval Kart

Part # TMG **Description**Bert Tire Machine





Bert from Bert Transmission is presenting the new tire machine that grinds, sipps, needles, groove and more options comming soon. Mostly use for dirt track racing but can be also use for asphalt and ice and rally Style racing.



37377

Tire Bead Breaker



Tire Bead Breaker

"After using this device for about nine years on modifieds and sprint cars for the Bert racing team, I could never go back with the conventional hand machines. It's easy and fast to use, plus it doesn't destroy the wheels."

Lee Michaelson, Bert Racing, Tire and Wheels Division

The air operated race car tire bead breaker is state of the art. Light and easy to operate, this machine will break your tire bead quickly and effortlessly separating your tire and costly aluminum rim without a scratch. It runs on any regular air compressor with 80-120 psi.

WARNING

Keep hands and feet away from moving parts when using the tire bead breaker. For use by qualified professional only.



Apparel

Bert T-Shirts & Sweatshirt

Available in

Adult

- Small
- Medium
- Large
- X-Large
- XX-Large
- XXX-Large

Prices for XX and XXX are slightly higher.



Bert HatsAdjustable.
One Size fits all.





Genesis shocks







Chris Raabe -2016 358 Modified Series Dirt Car Champion -2016 Cornwall Champion