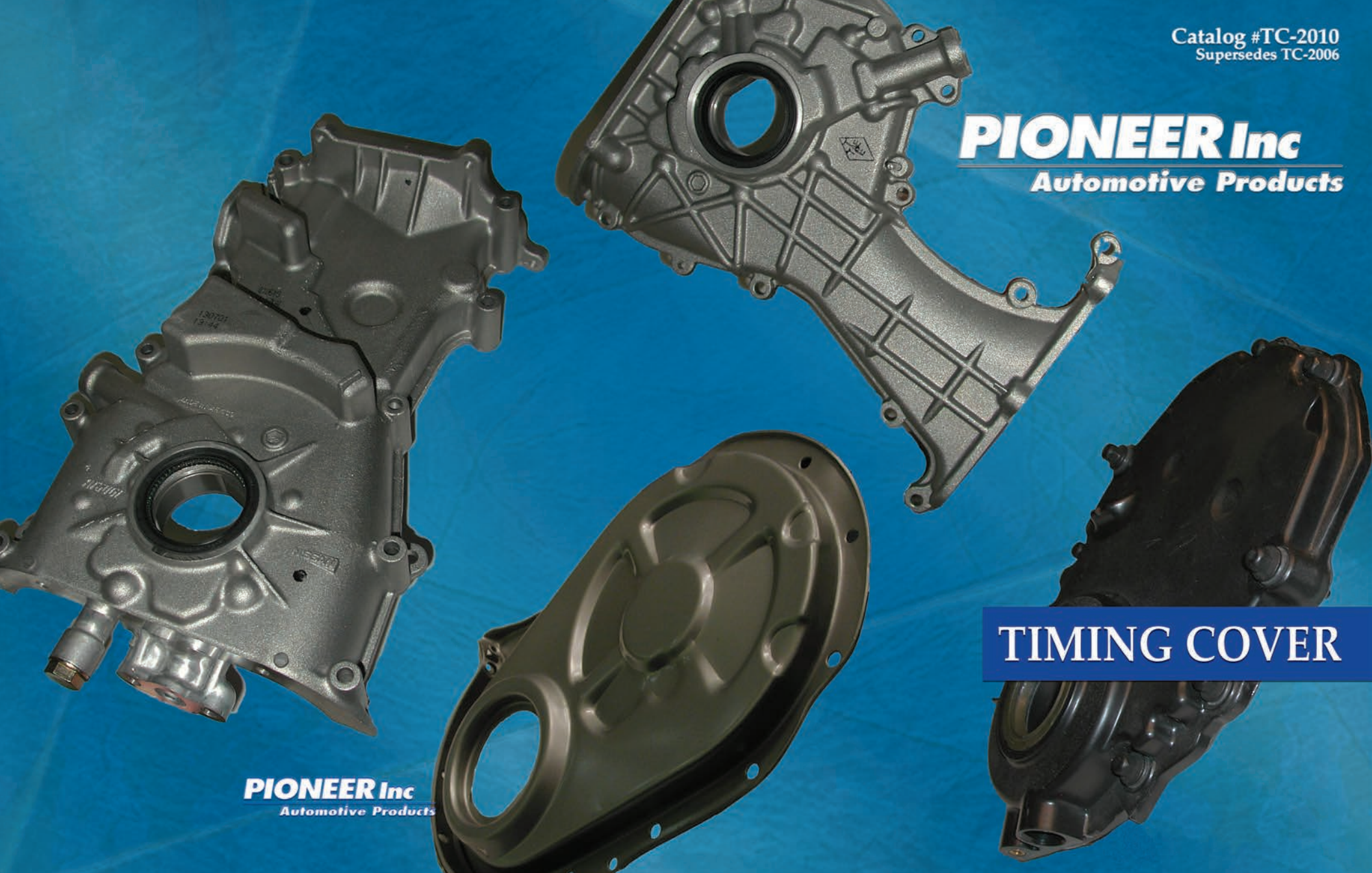


PIONEER Inc
Automotive Products



TIMING COVER



*"Proud of the past...committed to the future"
is a slogan which accurately reflects Pioneer's heritage and its future.*

Pioneer, Inc. was founded in 1946 by the late Herman A. Shields, who owned a successful automotive parts manufacturer's representative firm in his hometown of Meridian, Mississippi. He formed the company to service the needs of his clutch remanufacturer customers. His goal was simple: Supply the needed, hard-to-find parts for these businesses.

Little did he know that the company he founded would become a leading supplier of high quality components to the automotive parts aftermarket. For over 30 years under the guidance of the Shields family, Pioneer growth was based upon the twin cornerstones of customer service and reputation of the "Source for hard-to-find parts."

In 1979, Pioneer was purchased by The Barnes Group (Bristol, Connecticut) and the company became known as Pioneer/Barnes. During the Barnes Group's ownership, Pioneer purchased a 10-acre parcel in the G.V. (Sonny) Montgomery Industrial Park and built an 86,000 sq. ft. corporate head-quarters and distribution center on the site.

The product line expanded dramatically during the Barnes years, adding operating cables, flywheels, ring gears, shop supplies and performance parts to the company's mix, while further expanding the clutch, engine parts and water pump lines. Additionally, Pioneer added regional warehouses in Mt. Laurel, New Jersey and Cerritos, California to provide improved delivery service to its East and West Coast customers.

Additionally, Pioneer has made major commitments to its total quality assurance programs. These quality performance processes have been adapted to order taking and filling, distribution and inventory controls, further improving fill rates and on-time delivery.

The distribution facilities have also undergone modernization. In 1995, the Meridian facility's distribution center was expanded, bringing the warehousing space to over 200,000 sq. ft.

In May, 2000, Pioneer bought the new clutch business of L&S and through this acquisition have added New Clutch Kits to form a "5 Star" line-up which includes Powertrain, Transmission Parts, Engine and Transmission Mounts, and Harmonic Balancers...giving Pioneer a strong and competitive package of Driveline related products.

In August 1, 2010 Industrias Automotrices Lodi S.A. de C.V. purchased the company from Doron Arad. Pioneer continues its focus on product line expansion and making major investments in product tooling.

For over 60 years, the Pioneer story has been unique. Pioneer's growth has been based upon the philosophy of Herman Shields that success must be based upon customer service and satisfaction. Pioneer's Mission Statement reflects that philosophy:

"We are committed to the success of our customers. Our mission will be to provide customers with quality product and superior service. We believe the dedication of our employees and business partners is our most valued resource."

While the philosophy may seem passé in today's business environment, it has served Pioneer well through over six decades.

GUARANTEE

All parts are guaranteed against defects in material and workmanship for a period of one year from the date of the original consumer purchase.

"Our obligation under this guarantee is limited to replacement of the defective part or, at our option, repayment of the purchase price, conditioned in either case upon the return of the part to us with an explanation of the circumstances and conditions under which failure occurred. We neither assume nor authorize any other person to assume for us any other liability. IN NO EVENT WILL PIONEER BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, including claims for labor charges, transportation, or loss of revenue."

The information listed herein is correct to the best of our knowledge and belief, having been compiled from reliable and official sources of information. However, WE CANNOT ASSUME ANY RESPONSIBILITY FOR POSSIBLE ERROR.

*Thank you,
Pioneer, Inc. Automotive Products*

table of contents

Section 1

Applications	1-27
Buick	1-3
Cadillac	3
Chevrolet	3-9
Chrysler	9
Excalibur	9-12
Dodge	12
Ford	12-15
GMC	15-18
Hummer	18
Hyundai	18-20
Isuzu	20
Jeep	20
Kia	20
Lincoln	21
Mercury	21-22
Nissan	22-23
Oldsmobile	23-25
Plymouth	25
Pontiac	25-27
Shelby	27
Sunbeam	27
Toyota	27

Section 2

Illustrations	28-35
---------------------	-------

Section 3

Numerical Listing	37-38
-------------------------	-------

Section 4

Technical Summary	39
-------------------------	----

ENGINE COMPONENTS

- EXPANSION PLUGS & KITS
- SPECIALITY ENGINE PARTS
 - Fastener
 - Oil System Components
 - Harmonic Balancer Repair Sleeves
 - Pipe Plugs
 - Pilot Bushings
- HARMONIC BALANCERS
- OIL PUMPS & COMPONENTS
- VALVE TRAIN COMPONENTS
 - Valves
 - Valve Keys
 - Valve Retainers
 - Push Rods
 - Rocker Arm & Related Items
 - Valve Guides
 - Valve Seals
 - Valve Springs
 - Lifters

POWERTRAIN PRODUCTS

- CABLES
 - Accelerator
 - Brake
 - Clutch
 - Control
 - Detent
 - Ground Strap
 - Manual Transhift
 - Miscellaneous
 - Speedometer
 - Transhift
- FLYWHEEL ASSEMBLIES
- FLYWHEEL RING GEARS
- CLUTCH FORKS AND ADJUSTERS
- ALIGNMENT TOOLS
- STANDARD FLYWHEELS

TRANSMISSION PRODUCTS

- Filter Kits
- Gasket Kits
- Overhaul Kits
- Banner Kits
- Master Kits
- Super Kits
- Modulators
- Seals & Bushings
- Clutch Plates
- Sprag Kits
- Valve Body Kits
- AND MUCH MORE!**

HIGH PERFORMANCE

- CYLINDER HEAD COMPONENTS
 - Complete Valve Train Parts
- SHORT BLOCK COMPONENTS:
 - Expansion plugs, Fastener, Oil Pumps, Pilot Bushings, Miscellaneous Components
- FASTENERS;
 - 12 Point & Miscellaneous, Rod Bolts & Nuts, Head Studs & Bolts, Main Studs & Bolts
- MISCELLANEOUS:
 - Spring Inserts, Repair Sleeves, Flywheel Assemblies, Tools

SHOP SUPPLIES

- **ABRASIVES:**
 - Bonded - Grinding Wheels, Stones, Segments, Hones, Diamond Tools
 - Coated - Sanding, Polishing, Chamfering
- **CUTTERS:**
 - Carbide, Boring Bar, Files, Rotary, Blade, Box
- **BRUSHES:**
 - Wheel, End, Cup, Loop, Scratch, Gallery, Cleaning, Brooms
- **CHEMICALS:**
 - Paint, Adhesives, Aerosols, Cleaners, Solvents, Oils, Sealants, Silicone, Leak Detection
- **FASTENERS:**
 - Grade 5, Grade 8, Metric, Specialty, Assortments, Thread Repair
- **TOOLS & ACCESSORIES:**
 - Valve Equipment, Pullers, Crack Repair, Measuring Instruments, Brake Tools, Safety Equip. & Assess.

MOUNTS

- ENGINE MOUNTS - Solid
- ENGINE MOUNTS - Hydraulic
- TRANSMISSION MOUNTS
- TORQUE MOUNTS
- DRIVE SHAFT CENTER SUPPORT MOUNTS
- SUSPENSION STRUT MOUNTS
- BODY MOUNTS

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
BUICK						
APOLLO						
1973-75	V8 5.7L 350ci	RWD	500231		500231-TM	
CENTURION						
1972-73	V8 5.7L 350ci	RWD	500231		500231-TM	
CENTURY						
1982-90	L4 2.5L 151ci		500151L			
1991	L4 2.5L 151ci		500151E			
1982-85	V6 3.0L 181ci	FWD	500230			
1978-79	V6 3.2L 196ci	RWD	500231		500231-TM	
1991-93	V6 3.3L 204ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1975-79	V6 3.8L 231ci	RWD	500231		500231-TM	
1980-81	V6 3.8L 231ci	FWD	500230			
1984-88	V6 3.8L 231ci	FWD	500230			
1973-79	V8 5.7L 350ci	RWD	500231		500231-TM	
ELECTRA						
1985	V6 3.0L 181ci	FWD	500230			
1985-87	V6 3.8L 231ci	FWD	500230			
1980-84	V6 4.1L 252ci	RWD	500231		500231-TM	
1985	V8 5.0L 307ci		500305S			
1977-80	V8 5.7L 350ci	RWD	500231		500231-TM	
ESTATE WAGON						
1970	V8 5.7L 350ci	RWD	500231		500231-TM	
1972-73	V8 5.7L 350ci	RWD	500231		500231-TM	
1977-79	V8 5.7L 350ci	RWD	500231		500231-TM	
GS						
1970-72	V8 5.7L 350ci	RWD	500231		500231-TM	
GS 350						
1968-69	V8 5.7L 350ci	RWD	500231		500231-TM	
LESABRE						
1986	V6 3.0L 181ci	FWD	500230			
1976-79	V6 3.8L 231ci	RWD	500231		500231-TM	
1980-88	V6 3.8L 231ci	FWD	500230			
1991-03	V6 3.8L 231ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1980-84	V6 4.1L 252ci	RWD	500231		500231-TM	
1965	V8 4.9L 300ci		500231		500231-TM	
1985	V8 5.0L 307ci		500305S			
1966-67	V8 5.6L 340ci		500231		500231-TM	
1968-80	V8 5.7L 350ci	RWD	500231		500231-TM	
1993-95	V6 3.8L 231ci	No Cam Button, No Sensor Hole, Side Outlet	500230WO			
PARK AVENUE						
1991-01	V6 3.8L 231ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1993-95	V6 3.8L 231ci	No Cam Button, No Sensor Hole, Side Outlet	500230WO			
RAINIER						
2004-07	V8 5.3L 323ci	Rear Seal Housing	500323RSH			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
BUICK (con't)						
REATA						
1991	V6 3.8L 231ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
REGAL						
1978-79	V6 3.2L 196ci	RWD	500231		500231-TM	
1975-86	V6 3.8L 231ci	RWD	500231		500231-TM	
1987	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1990-03	V6 3.8L 231ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1993-95	V6 3.8L 231ci	No Cam Button, No Sensor Hole, Side Outlet	500230WO			
1982-84	V6 4.1L 252ci	RWD	500231		500231-TM	
1985-87	V8 5.0L 305ci		500305S			
1973-77	V8 5.7L 350ci	RWD	500231		500231-TM	
RIVIERA						
1979	V6 3.8L 231ci	RWD	500231		500231-TM	
1980-87	V6 3.8L 231ci	FWD	500230			
1991-93	V6 3.8L 231ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1993	V6 3.8L 231ci	No Cam Button, No Sensor Hole, Side Outlet	500230WO			
1995	V6 3.8L 231ci	No Cam Button, No Sensor Hole, Side Outlet	500230WO			
1995-99	V6 3.8L 231ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1981-84	V6 4.1L 252ci	RWD	500231		500231-TM	
1985	V8 5.0L 307ci		500305S			
1977-80	V8 5.7L 350ci	RWD	500231		500231-TM	
ROADMASTER						
1991	V8 5.0L 305ci	Use w/7" Harmonic Balancer	500305S			
1992-93	V8 5.7L 350ci	Use w/7" Harmonic Balancer	500305S			
SKYHAWK						
1975-80	V6 3.8L 231ci	RWD	500231		500231-TM	
SKYLARK						
1982-85	L4 2.5L 151ci		500151L			
1986-91	L4 2.5L 151ci		500151E			
1986-88	V6 3.0L 181ci	FWD	500230			
1991-93	V6 3.3L 204ci	Late Style w/Balance Shaft & Sensor Hole on Left Side of Cover, No Camshaft Button on Inside of Cover	500230L			
1964-67	V6 3.7L 225ci	RWD	500231		500231-TM	
1975-79	V6 3.8L 231ci	RWD	500231		500231-TM	
1968-72	V8 5.7L 350ci	RWD	500231		500231-TM	
1975-79	V8 5.7L 350ci	RWD	500231		500231-TM	
SOMERSET						
1985	L4 2.5L 151ci		500151L			
1986-87	L4 2.5L 151ci		500151E			
1985-87	V6 3.0L 181ci	FWD	500230			
SPECIAL, SPORTWAGON						
1964-67	V6 3.7L 225ci	RWD	500231		500231-TM	

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
BUICK (con't)						
SPECIAL, SPORTWAGON (con't)						
1968-72	V8 5.7L 350ci	RWD	500231		500231-TM	
CADILLAC						
BROUGHAM						
1990-92	V8 5.7L 350ci	Use w/7" Harmonic Balancer	500305S			
CTS						
2004-05	V8 5.7L 346ci		500LS1			
2006-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
DEVILLE, ELDORADO, SEVILLE						
1980-82	V6 4.1L 252ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
FLEETWOOD						
1980-82	V6 4.1L 252ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1991-92	V8 5.0L 305ci		500305S			
1993	V8 5.7L 350ci	Use w/7" Harmonic Balancer	500305S			
CADILLAC TRUCK						
ESCALADE						
2002	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2002-05	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
1999-00	V8 5.7L 350ci	w/Crankshaft Sensor Hole		500350		
1999-00	V8 5.7L 350ci	w/o Crankshaft Sensor Hole		500350WO		
2002-06	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2007-08	V8 6.2L 378ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.2L 378ci		500LS2			
CHEVROLET						
BEL AIR, BISCAYNE, BROOKWOOD, CHEVELLE, KINGSWOOD, TOWNSMAN						
1969-74	V8 5.7L 350ci		500350S			
1966-70	V8 6.5L 396ci		500454S		500454S-TM	
1970-71	V8 6.6L 400ci	4BBL	500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1966-69	V8 7.0L 427ci		500454S		500454S-TM	
1970-75	V8 7.4L 454ci		500454S		500454S-TM	
CAMARO						
1982-86	L4 2.5L 151ci	Late Style	500151L			
1982-89	V6 2.8L 173ci		500189			
1990-92	V6 3.1L 189ci		500189			
1980-81	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1982-92	V8 5.0L 305ci		500305S			
1969-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1987-92	V8 5.7L 350ci		500350S			
1993-94	V8 5.7L 350ci		500350LT1			
1995	V8 5.7L 350ci		500350S			
1996-02	V8 5.7L 350ci			500350		
1996-02	V8 5.7L 350ci	w/o Sensor		500350WO		
1998-02	V8 5.7L 350ci		500LS1			
1967-70	V8 6.5L 396ci		500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1969	V8 7.0L 427ci		500454S		500454S-TM	
CAPRICE						
1980-84	V6 3.8L 231ci	20 Bolt Oil Pan	500230			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
CHEVROLET (con't)						
CAPRICE (con't)						
1980-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1992-93	V6 4.3L 262ci	w/Welded Pointer	500262S			
1982	V8 4.4L 267ci	Use w/7" Harmonic Balancer	500305S			
1982-83	V8 5.0L 305ci	Use w/7" Harmonic Balancer	500305S			
1984-93	V8 5.0L 305ci		500305S			
1969-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1982	V8 5.7L 350ci		500350S			
1987-93	V8 5.7L 350ci		500350S			
1994	V8 5.7L 350ci		500350LT1			
1995	V8 5.7L 350ci		500350S			
1996	V8 5.7L 350ci			500350		
1996	V8 5.7L 350ci	w/o Sensor		500350WO		
1966-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-71	V8 6.6L 400ci	4BBL	500454S		500454S-TM	
1971-72	V8 6.6L 402ci		500454S		500454S-TM	
1966-69	V8 7.0L 427ci		500454S		500454S-TM	
1970-76	V8 7.4L 454ci		500454S		500454S-TM	
CELEBRITY, CITATION						
1982-90	L4 2.5L 151ci	Late Style	500151L			
1984-86	V6 2.8L 173ci		500189			
CHEVY II						
1968	V8 6.5L 396ci		500454S		500454S-TM	
CORVETTE						
1969-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1987-95	V8 5.7L 350ci		500350S			
1993-94	V8 5.7L 350ci		500350LT1			
1996-02	V8 5.7L 350ci			500350		
1996-02	V8 5.7L 350ci	w/o Sensor		500350WO		
1997-04	V8 5.7L 350ci		500LS1			
2005-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2005-07	V8 6.0L 364ci		500LS2			
2008	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2008	V8 6.2L 376ci		500LS2			
1966-69	V8 7.0L 427ci		500454S		500454S-TM	
2006-08	V8 7.0L 427ci	Rear Seal Housing	500323RSH			
2006-08	V8 7.0L 427ci		500LS2			
1970-74	V8 7.4L 454ci		500454S		500454S-TM	
IMPALA						
1980-84	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1980-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1982	V8 4.4L 267ci	Use w/7" Harmonic Balancer	500305S			
1982-83	V8 5.0L 305ci	Use w/7" Harmonic Balancer	500305S			
1984-85	V8 5.0L 305ci		500305S			
2006-07	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
1969-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1982	V8 5.7L 350ci		500350S			
1994	V8 5.7L 350ci		500350LT1			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
CHEVROLET (con't)						
IMPALA (con't)						
1995	V8 5.7L 350ci		500350S			
1996	V8 5.7L 350ci			500350		
1996	V8 5.7L 350ci	w/o Sensor		500350WO		
1966-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-71	V8 6.6L 400ci	4BBL	500454S		500454S-TM	
1971-72	V8 6.6L 402ci		500454S		500454S-TM	
1966-69	V8 7.0L 427ci		500454S		500454S-TM	
1970-76	V8 7.4L 454ci		500454S		500454S-TM	
LAGUNA						
1973-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1973-75	V8 7.4L 454ci		500454S		500454S-TM	
LLV						
1987-93	L4 2.5L 151ci	Late Style	500151L			
LUMINA						
1990	L4 2.5L 151ci	Late Style	500151L			
MALIBU						
1978-83	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-83	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1983	V8 5.0L 305ci	Use w/7" Harmonic Balancer	500305S			
1973-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1966-67	V8 6.5L 396ci		500454S		500454S-TM	
1973-75	V8 7.4L 454ci		500454S		500454S-TM	
MONTE CARLO						
1978-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-84	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1985-87	V6 3.8L 231ci	Buick Engine	500231		500231-TM	
1982	V8 4.4L 267ci	Use w/7" Harmonic Balancer	500305S			
1982-83	V8 5.0L 305ci	Use w/7" Harmonic Balancer	500305S			
1984-88	V8 5.0L 305ci		500305S			
2006-07	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
1970-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1970-71	V8 6.6L 400ci	4BBL	500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1970-75	V8 7.4L 454ci		500454S		500454S-TM	
MONZA						
1978-79	V6 3.2L 196ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1978-80	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-80	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
NOVA						
1969-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1969-70	V8 6.5L 396ci		500454S		500454S-TM	
1970	V8 6.6L 402ci		500454S		500454S-TM	
CHEVROLET TRUCK						
ASTRO						
1985-90	L4 2.5L 151ci	Late Style	500151L			
1985	V6 4.3L 262ci		500262S			
1987-93	V6 4.3L 262ci	w/Welded Pointer	500262S			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
CHEVROLET TRUCK (con't)						
ASTRO (con't)						
1995	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-05	V6 4.3L 262ci			500262		
1996-05	V6 4.3L 262ci	w/o Sensor		500262WO		
AVALANCHE						
2007	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2007	V8 5.3L 325ci		500LS2			
2007	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007	V8 6.0L 364ci		500LS2			
AVALANCHE 1500						
2002-06	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
BLAZER						
1995-02	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1995-05	V6 4.3L 262ci	w/Crankshaft Sensor Hole		500262		
1984-87	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1982	V8 5.7L 350ci		500350S			
1987-94	V8 5.7L 350ci		500350S			
1973	V8 7.4L 454ci		500454S		500454S-TM	
1976-78	V8 7.4L 454ci		500454S		500454S-TM	
C10 PICKUP, C20 PICKUP, K10 PICKUP, K20 PICKUP						
1985-86	V6 4.3L 262ci		500262S			
1984-86	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1977-86	V8 5.7L 350ci	w/8" Balancer	500350S			
1966	V8 6.0L 366ci		500454S		500454S-TM	
1968-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1973-80	V8 7.4L 454ci		500454S		500454S-TM	
C10 SUBURBAN, C20 SUBURBAN, K10 SUBURBAN, K20 SUBURBAN						
1977-78	V8 5.0L 305ci	w/8" Balancer	500350S			
1984-86	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1977-86	V8 5.7L 350ci	w/8" Balancer	500350S			
1968-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1973-80	V8 7.4L 454ci		500454S		500454S-TM	
1985	V8 7.4L 454ci		500454S		500454S-TM	
C1500 PICKUP, C1500 SUBURBAN, C2500 PICKUP, C2500 SUBURBAN, K1500 PICKUP, K1500 SUBURBAN, K2500 PICKUP, K2500 SUBURBAN						
1988-93	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-98	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-98	V6 4.3L 262ci			500262		
1988-93	V8 5.0L 305ci		500305S			
1994-99	V8 5.0L 305ci			500350		
1994-99	V8 5.0L 305ci	w/o Sensor		500350WO		
1988-95	V8 5.7L 350ci		500350S			
1996-00	V8 5.7L 350ci			500350		
1996-00	V8 5.7L 350ci	w/o Sensor		500350WO		
1990	V8 7.4L 454ci		500454S		500454S-TM	

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
CHEVROLET TRUCK (con't)						
C30 PICKUP, K30 PICKUP						
1986	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1977-86	V8 5.7L 350ci	w/8" Balancer	500350S			
1966	V8 6.0L 366ci		500454S		500454S-TM	
1968-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1973-86	V8 7.4L 454ci		500454S		500454S-TM	
C3500 PICKUP, K3500 PICKUP						
1988-95	V8 5.7L 350ci		500350S			
1996-00	V8 5.7L 350ci			500350		
1996-00	V8 5.7L 350ci	w/o Sensor		500350WO		
1988-90	V8 7.4L 454ci		500454S		500454S-TM	
COLORADO						
2009	V8 5.3L 325ci		500LS2			
EL CAMINO						
1978-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-84	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1982	V8 4.4L 267ci	Use w/7" Harmonic Balancer	500305S			
1982-87	V8 5.0L 305ci	Use w/7" Harmonic Balancer	500305S			
1969-74	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1966-70	V8 6.5L 396ci		500454S		500454S-TM	
1970	V8 6.6L 400ci	4BBL	500454S		500454S-TM	
1971-72	V8 6.6L 402ci		500454S		500454S-TM	
1970-75	V8 7.4L 454ci		500454S		500454S-TM	
EXPRESS 1500, EXPRESS 2500, EXPRESS 3500						
1996-03	V6 4.3L 262ci			500262		
1996-03	V6 4.3L 262ci	w/o Sensor		500262WO		
2003-07	V8 4.8L 294ci	Rear Seal Housing	500323RSH			
1996-02	V8 5.0L 305ci			500350		
1996-02	V8 5.0L 305ci	w/o Sensor		500350WO		
2003-05	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
1996-02	V8 5.7L 350ci	w/o Sensor		500350WO		
1996-97	V8 5.7L 350ci			500350		
1999-02	V8 5.7L 350ci			500350		
2003-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
G10 VAN, G20 VAN, G30 VAN						
1985-86	V6 4.3L 262ci		500262S			
1995-97	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-97	V6 4.3L 262ci			500262		
1984-93	V8 5.0L 305ci		500305S			
1994-97	V8 5.0L 305ci			500350		
1994-97	V8 5.0L 305ci	w/o Sensor		500350WO		
1970-76	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1982	V8 5.7L 350ci		500350S			
1987-96	V8 5.7L 350ci		500350S			
1996-97	V8 5.7L 350ci			500350		
1996-97	V8 5.7L 350ci	w/o Sensor		500350WO		
1973-76	V8 7.4L 454ci		500454S		500454S-TM	
1979	V8 7.4L 454ci		500454S		500454S-TM	
1988-90	V8 7.4L 454ci		500454S		500454S-TM	

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
CHEVROLET TRUCK (con't)						
G1500 VAN, G2500 VAN, G3500 VAN						
1998	V6 4.3L 262ci			500262		
1998	V6 4.3L 262ci	w/o Sensor		500262WO		
1998	V8 5.0L 305ci			500350		
1998	V8 5.0L 305ci	w/o Sensor		500350WO		
1998	V8 5.7L 350ci			500350		
1998	V8 5.7L 350ci	w/o Sensor		500350WO		
LUMINA APV						
1992	V6 3.8L 231ci	Late Style	500230L			
P10 VAN, P20 VAN, P30 VAN						
1990-94	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-99	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-99	V6 4.3L 262ci			500262		
1970-76	V8 5.7L 350ci		500350S			
1977-89	V8 5.7L 350ci	w/8" Balancer	500350S			
1987-95	V8 5.7L 350ci		500350S			
1996-99	V8 5.7L 350ci			500350		
1996-99	V8 5.7L 350ci	w/o Sensor		500350WO		
1972	V8 6.6L 402ci		500454S		500454S-TM	
1970-71	V8 7.4L 454ci		500454S		500454S-TM	
1973-90	V8 7.4L 454ci		500454S		500454S-TM	
P20 SERIES, P30 SERIES						
1966-67	V8 6.0L 366ci		500454S		500454S-TM	
R10 PICKUP, R10 SUBURBAN, R20 PICKUP, R20 SUBURBAN, R30 PICKUP, V10 PICKUP, V10 SUBURBAN, V20 PICKUP, V20 SUBURBAN, V30 PICKUP						
1987	V8 5.0L 305ci		500305S			
1987-88	V8 5.7L 350ci		500350S			
1987-88	V8 7.4L 454ci		500454S		500454S-TM	
R1500 SUBURBAN, R2500 SUBURBAN, V1500 SUBURBAN, V2500 SUBURBAN						
1989-91	V8 5.7L 350ci		500350S			
1989-90	V8 7.4L 454ci		500454S		500454S-TM	
R2500 PICKUP, R3500 PICKUP, V3500 PICKUP						
1989-91	V8 5.7L 350ci		500350S			
1989-90	V8 7.4L 454ci		500454S		500454S-TM	
S10 BLAZER, S10 PICKUP						
1982-93	V6 2.8L 173ci		500189			
1985-93	L4 2.5L 151ci	Late Style	500151L			
1988-92	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-04	V6 4.3L 262ci	w/Crankshaft Sensor Hole		500262		
1995-04	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
SILVERADO 1500						
1999-08	V6 4.3L 262ci			500262		
1999-08	V6 4.3L 262ci	w/o Sensor		500262WO		
1999-08	V8 4.8L 294ci	Rear Seal Housing	500323RSH			
2006-09	V8 4.8L 294ci		500LS2			
1999-09	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2007-09	V8 5.3L 325ci		500LS2			
2001-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
SILVERADO 2500, SILVERADO 3500						
1999-00	V8 5.3L 323ci	Rear Seal Housing	500323RSH			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
CHEVROLET TRUCK (con't)						
SILVERADO 2500, SILVERADO 3500 (con't)						
1999-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
SSR						
2003-04	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2005-06	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2005-06	V8 6.0L 364ci		500LS2			
SUBURBAN						
1966	V8 6.0L 366ci		500454S		500454S-TM	
SUBURBAN 1500						
2000-05	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2006-07	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2007-09	V8 5.3L 325ci		500LS2			
2006-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
SUBURBAN 2500						
2000-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
TAHOE						
2000-07	V8 4.8L 294ci	Rear Seal Housing	500323RSH			
2007-09	V8 4.8L 294ci		500LS2			
2000-05	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2006-07	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2007-09	V8 5.3L 325ci		500LS2			
1995	V8 5.7L 350ci		500350S			
1996-00	V8 5.7L 350ci			500350		
1996-00	V8 5.7L 350ci	w/o Sensor		500350WO		
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2009	V8 6.2L 376ci		500LS2			
TRAILBLAZER						
2005	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2003-04	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2006-08	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2006-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2006-07	V8 6.0L 364ci		500LS2			
CHRYSLER						
CORDOBA, IMPERIAL						
1975-83	V8 5.2L 318ci		500390			
1975-80	V8 5.9L 360ci		500390			
FIFTH AVENUE						
1983-89	V8 5.2L 318ci		500390			
LEBARON, TOWN & COUNTRY						
1977-81	V8 5.2L 318ci		500390			
1978-79	V8 5.9L 360ci		500390			
CHRYSLER						
NEW YORKER, NEWPORT						
1979-82	V8 5.2L 318ci		500390			
1971-72	V8 5.9L 360ci		500390			
1974-80	V8 5.9L 360ci		500390			
DODGE						
ASPEN						
1976-80	V8 5.2L 318ci		500390			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
DODGE (con't)						
ASPEN (con't)						
1976-80	V8 5.9L 360ci		500390			
CHALLENGER, CHARGER, CORONET, DART						
1970-78	V8 5.2L 318ci		500390			
1968-73	V8 5.6L 340ci		500390			
1973-78	V8 5.9L 360ci		500390			
DIPLOMAT, MAGNUM XE						
1977-89	V8 5.2L 318ci		500390			
1978-79	V8 5.9L 360ci		500390			
M300, M350						
1974	V8 5.2L 318ci		500390			
MIRADA, ST. REGIS						
1979-83	V8 5.2L 318ci		500390			
1979-80	V8 5.9L 360ci		500390			
MONACO, POLARA, ROYAL MONACO						
1970-73	V8 5.2L 318ci		500390			
1975-78	V8 5.2L 318ci		500390			
1971-78	V8 5.9L 360ci		500390			
NEON						
2003-05	L4 2.4L 148ci		500390L			
P200, P300						
1971-72	V8 5.9L 360ci		500390			
STRATUS						
1995-06	L4 2.4L 148ci		500390L			
2001-05	L4 2.4L 2351cc		500390L			
DODGE TRUCK						
A100						
1970	V8 5.2L 318ci		500390			
B100 VAN, B200 VAN, B300 VAN						
1971-80	V8 5.2L 318ci		500390			
1971-80	V8 5.9L 360ci		500390			
B150 VAN, B250 VAN, B350 VAN						
1988-91	V6 3.9L 239ci		500390			
1981-91	V8 5.2L 318ci		500390			
1981-93	V8 5.9L 360ci		500390			
B1500 VAN, B2500 VAN, B3500 VAN						
1995-98	V6 3.9L 239ci		500390L			
1995-98	V8 5.2L 318ci		500390L			
1995-98	V8 5.9L 360ci		500390L			
CARAVAN, GRAND CARAVAN						
1997-99	L ELECTRIC 8		500390L			
1996-07	L4 2.4L 148ci		500390L			
1995-00	V6 3.0L 181ci		500390L			
1995-07	V6 3.3L 201ci		500390L			
1996-99	V6 3.8L 230ci		500390L			
CB300						
1974-80	V8 5.2L 318ci		500390			
1974-80	V8 5.9L 360ci		500390			
D100 PICKUP, D200 PICKUP, D300 PICKUP, W100 PICKUP, W200 PICKUP, W300 PICKUP						
1988-89	V6 3.9L 239ci		500390			
1970-80	V8 5.2L 318ci		500390			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
DODGE TRUCK (con't)						
D100 - D300 PICKUP, W100 - W300 PICKUP (con't)						
1986-89	V8 5.2L 318ci		500390			
1971-80	V8 5.9L 360ci		500390			
1986-88	V8 5.9L 360ci		500390			
D150 PICKUP, D250 PICKUP, D350 PICKUP, W150 PICKUP, W250 PICKUP, W350 PICKUP						
1988-91	V6 3.9L 239ci		500390			
1977-91	V8 5.2L 318ci		500390			
1977-93	V8 5.9L 360ci		500390			
D400 PICKUP, D450 PICKUP						
1978-81	V8 5.9L 360ci		500390			
DAKOTA						
1995-02	L4 2.5L 153ci		500390L			
2004-06	V6 3.7L 226ci		500390L			
1987-91	V6 3.9L 239ci		500390			
1995-03	V6 3.9L 239ci		500390L			
2000-06	V8 4.7L 285ci		500390L			
2000-01	V8 4.7L 287ci		500390L			
1989-91	V8 5.2L 318ci		500390			
1995-99	V8 5.2L 318ci		500390L			
1998-03	V8 5.9L 360ci		500390L			
DURANGO						
2004-06	V6 3.7L 226ci		500390L			
1998-99	V6 3.9L 239ci		500390L			
2000-06	V8 4.7L 285ci		500390L			
2000-01	V8 4.7L 287ci		500390L			
2006	V8 4.7L 287ci		500390L			
1998-00	V8 5.2L 318ci		500390L			
2004-07	V8 5.7L 345ci		500390L			
1998-03	V8 5.9L 360ci		500390L			
RAM 1500 PICKUP						
2004-06	V10 8.3L 505ci		500390L			
2002-05	V6 3.7L 225ci		500390L			
2005-06	V6 3.7L 226ci		500390L			
1995-01	V6 3.9L 239ci		500390L			
2002-07	V8 4.7L 285ci		500390L			
2002-04	V8 4.7L 287ci		500390L			
1995-01	V8 5.2L 318ci		500390L			
2003-07	V8 5.7L 345ci		500390L			
1995-03	V8 5.9L 360ci		500390L			
RAM 1500 VAN, RAM 2500 VAN, RAM 3500 VAN						
1999-03	V6 3.9L 239ci		500390L			
1999-03	V8 5.2L 318ci		500390L			
1999-03	V8 5.9L 360ci		500390L			
RAM 2500 PICKUP, RAM 3500 PICKUP						
1995-07	L6 5.9L 359ci		500390L			
1995-03	V10 8.0L 488ci		500390L			
1995-96	V8 5.2L 318ci		500390L			
2003-06	V8 5.7L 345ci		500390L			
1994-02	V8 5.9L 360ci		500390			
RAMCHARGER						
1974-91	V8 5.2L 318ci		500390			
1974-93	V8 5.9L 360ci		500390			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
DODGE TRUCK (con't)						
RD200 PICKUP						
1978-80	V8 5.2L 318ci		500390			
1978-80	V8 5.9L 360ci		500390			
SPRINTER 2500, SPRINTER 3500						
2003-06	L5 2.7L 165ci		500390L			
EXCALIBUR						
PHAETON						
1972-79	V8 7.4L 454ci		500454S		500454S-TM	
FORD						
CLUB						
1963-64	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
CLUB WAGON						
1967	L6 3.9L 240ci		500300			
COUNTRY SEDAN, CUSTOM, CUSTOM 500, FAIRLANE, FALCON, GALAXIE, GALAXIE 500, RANCH WAGON						
1965-72	L6 3.9L 240ci		500300			
1963-68	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-72	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1970	V8 5.0L 302ci	w/Crank Sensor	500302S			
1969-77	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-73	V8 7.0L 429ci		500460			500460D
1972-76	V8 7.5L 460ci		500460			500460D
COUNTRY SQUIRE						
1965-67	L6 3.9L 240ci		500300			
1963-67	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-72	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-91	V8 5.0L 302ci		500302L			
1969-74	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-73	V8 7.0L 429ci		500460			500460D
1972-78	V8 7.5L 460ci		500460			500460D
ELITE, GRAN TORINO, TORINO						
1968	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-74	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-76	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1970-73	V8 7.0L 429ci		500460			500460D
1973-76	V8 7.5L 460ci		500460			500460D
FAIRMONT, GRANADA						
1982	V6 3.8L 232ci		500232			
1980-81	V8 4.2L 255ci	w/EEC	500232			
1980-81	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1975-80	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-80	V8 5.0L 302ci	w/Crank Sensor	500302S			
1975-77	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
FORD 300, SUNLINER, VICTORIA						
1963	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
GT40 MK III						
1966-69	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
FORD (con't)						
LTD						
1983-86	V6 3.8L 232ci		500232			
1981-82	V8 4.2L 255ci	w/EEC	500232			
1981-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1965-68	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-72	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1972	V8 5.0L 302ci	w/Crank Sensor	500302S			
1977-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-91	V8 5.0L 302ci		500302L			
1969-86	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1987-91	V8 5.8L 351ci		500302L			
1969-73	V8 7.0L 429ci		500460			500460D
1972-78	V8 7.5L 460ci		500460			500460D
LTD II						
1977-79	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1977-79	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.0L 302ci	w/Crank Sensor	500302S			
MAVERICK, MUSTANG II						
1971-78	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
MUSTANG						
1983-86	V6 3.8L 232ci		500232			
1980-82	V8 4.2L 255ci	w/EEC	500232			
1980-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1964-68	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-73	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1971-72	V8 5.0L 302ci	w/Crank Sensor	500302S			
1979	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.0L 302ci	w/Crank Sensor	500302S			
1982	V8 5.0L 302ci	w/Crank Sensor	500302S			
1982-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1982-93	V8 5.0L 302ci	w/Electric Fuel Pump	500302M			
1994-95	V8 5.0L 302ci		500302T			
1969-73	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1995	V8 5.8L 351ci		500302L			
1969-71	V8 7.0L 429ci		500460			500460D
P-350						
1968-72	L6 3.9L 240ci		500300			
1968-76	L6 4.9L 300ci		500300			
1972	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1976	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
P-400, P-500						
1975-77	L6 4.9L 300ci		500300			
1975-77	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
RANCHERO						
1965-67	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-74	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1977-79	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.0L 302ci	w/Crank Sensor	500302S			
1969-79	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1970-73	V8 7.0L 429ci		500460			500460D
1974-77	V8 7.5L 460ci		500460			500460D

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
FORD (con't)						
THUNDERBIRD						
1982-87	V6 3.8L 232ci		500232			
1980-82	V8 4.2L 255ci	w/EEC	500232			
1980-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1977-81	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-81	V8 5.0L 302ci	w/Crank Sensor	500302S			
1983-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-88	V8 5.0L 302ci		500302L			
1991-93	V8 5.0L 302ci		500302L			
1977-79	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-73	V8 7.0L 429ci		500460			500460D
1972-76	V8 7.5L 460ci		500460			500460D
FORD TRUCK						
BRONCO						
1967	L6 3.9L 240ci		500300			
1980-92	L6 4.9L 300ci		500300			
1966-68	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-77	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1980-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1980-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-96	V8 5.0L 302ci		500302L			
1978-86	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1987-96	V8 5.8L 351ci		500302L			
E SUPER DUTY						
1996	V8 5.8L 351ci		500302L			
1996	V8 7.5L 460ci		500460			500460D
E-100 ECONOLINE, E-200 ECONOLINE, E-300 ECONOLINE						
1968-74	L6 3.9L 240ci		500300			
1972-83	L6 4.9L 300ci		500300			
1968-75	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1979-83	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1975-83	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1978	V8 7.5L 460ci		500460			500460D
E-150 ECONOLINE, E-250 ECONOLINE, E-350 ECONOLINE						
1975-96	L6 4.9L 300ci		500300			
1975	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1975	V8 5.0L 302ci	w/Crank Sensor	500302S			
1979-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1979-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-96	V8 5.0L 302ci		500302L			
1975-86	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1987-96	V8 5.8L 351ci		500302L			
1975-96	V8 7.5L 460ci		500460			500460D
ECONOLINE						
1965-67	L6 3.9L 240ci		500300			
EXPLORER						
1996-01	V8 5.0L 302ci		500302T			
F-100 PICKUP, F-150 PICKUP, F-250 PICKUP, F-350 PICKUP						
1965-76	L6 3.9L 240ci		500300			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
FORD TRUCK (con't)						
F-100 PICKUP, F-150 PICKUP, F-250 PICKUP, F-350 PICKUP (con't)						
1965-96	L6 4.9L 300ci		500300			
1982-83	V6 3.8L 232ci		500232			
1963-64	V8 4.8L 292ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1972-80	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1973-75	V8 5.0L 302ci	w/Crank Sensor	500302S			
1979-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-96	V8 5.0L 302ci		500302L			
1977-86	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1987-97	V8 5.8L 351ci		500302L			
1973-79	V8 7.5L 460ci		500460			500460D
1983-97	V8 7.5L 460ci		500460			500460D
F-450 SUPER DUTY PICKUP						
1990-97	V8 7.5L 460ci		500460			500460D
F53 STRIPPED CHASSIS						
1988-97	V8 7.5L 460ci		500460			500460D
GMC						
C15/C1500 PICKUP, C15/C1500 SUBURBAN, C25/C2500 PICKUP, C25/C2500 SUBURBAN, C35/C3500 PICKUP						
1985-86	V6 4.3L 262ci		500262S			
1982-86	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1977-86	V8 5.7L 350ci	w/8" Balancer	500350S			
1968-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1973-86	V8 7.4L 454ci		500454S		500454S-TM	
C1500 PICKUP, C1500 SUBURBAN, C2500 PICKUP, C2500 SUBURBAN, C3500 PICKUP						
1988-93	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-98	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-98	V6 4.3L 262ci			500262		
1988-93	V8 5.0L 305ci		500305S			
1994-99	V8 5.0L 305ci			500350		
1994-99	V8 5.0L 305ci	w/o Sensor		500350WO		
1988-95	V8 5.7L 350ci		500350S			
1996-00	V8 5.7L 350ci	w/o Sensor		500350WO		
1996-00	V8 5.7L 350ci			500350		
1988-90	V8 7.4L 454ci		500454S		500454S-TM	
CABALLERO						
1985-86	V6 4.3L 262ci		500262S			
1982-87	V8 5.0L 305ci		500305S			
CANYON						
2009	V8 5.3L 325ci		500LS2			
ENVOY						
2003-05	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2006-09	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
G15/G1500 VAN, G25/G2500 VAN, G35/G3500 VAN						
1967-69	L6 3.8L 230ci		500305S			
1967-84	L6 4.1L 250ci		500305S			
1974-78	L6 4.8L 292ci		500305S			
1985-86	V6 4.3L 262ci		500262S			
1987-97	V6 4.3L 262ci	For 7" Harmonic Balancer	500305S			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
GMC (con't)						
G15/G1500 VAN, G25/G2500 VAN, G35/G3500 VAN (con't)						
1990-91	V6 4.3L 262ci		500262S			
1996-98	V6 4.3L 262ci			500262		
1996-98	V6 4.3L 262ci	w/o Sensor		500262WO		
1967	V8 4.6L 283ci		500305S			
1977-95	V8 5.0L 305ci		500305S			
1994-98	V8 5.0L 305ci			500350		
1994-98	V8 5.0L 305ci	w/o Sensor		500350WO		
1968-73	V8 5.0L 307ci		500305S			
1967	V8 5.4L 327ci		500305S			
1970-76	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1982	V8 5.7L 350ci		500350S			
1987-95	V8 5.7L 350ci		500350S			
1996-98	V8 5.7L 350ci			500350		
1996-98	V8 5.7L 350ci	w/o Sensor		500350WO		
1983-93	V8 6.2L 379ci		500305S			
1994-98	V8 6.5L 395ci		500305S			
1975-80	V8 6.6L 400ci		500305S			
1975-76	V8 7.4L 454ci		500454S		500454S-TM	
1979	V8 7.4L 454ci		500454S		500454S-TM	
1988-90	V8 7.4L 454ci		500454S		500454S-TM	
JIMMY						
1995-03	V6 4.3L 262ci	w/Crankshaft Sensor Hole		500262		
1996-02	V6 4.3L 262ci	w/o Sensor		500262WO		
1977-78	V8 5.0L 305ci	w/8" Balancer	500350S			
1982-87	V8 5.0L 305ci		500305S			
1970-76	V8 5.7L 350ci		500350S			
1977-91	V8 5.7L 350ci	w/8" Balancer	500350S			
1973	V8 7.4L 454ci		500454S		500454S-TM	
1976	V8 7.4L 454ci		500454S		500454S-TM	
K15/K1500 PICKUP, K15/K1500 SUBURBAN, K25/K2500 PICKUP, K25/K2500 SUBURBAN, K35/K3500 PICKUP						
1985-86	V6 4.3L 262ci		500262S			
1982-86	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1977-86	V8 5.7L 350ci	w/8" Balancer	500350S			
1968-69	V8 6.5L 396ci		500454S		500454S-TM	
1970-72	V8 6.6L 402ci		500454S		500454S-TM	
1973-74	V8 7.4L 454ci		500454S		500454S-TM	
1976-86	V8 7.4L 454ci		500454S		500454S-TM	
K1500 PICKUP, K1500 SUBURBAN, K2500 PICKUP, K2500 SUBURBAN, K3500 PICKUP						
1988-93	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-98	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-98	V6 4.3L 262ci			500262		
1988-93	V8 5.0L 305ci		500305S			
1994-99	V8 5.0L 305ci			500350		
1994-99	V8 5.0L 305ci	w/o Sensor		500350WO		
1988-95	V8 5.7L 350ci		500350S			
1996-00	V8 5.7L 350ci	w/o Sensor		500350WO		
1996-00	V8 5.7L 350ci			500350		
1988-90	V8 7.4L 454ci		500454S		500454S-TM	
P15/P1500 VAN, P25/P2500 VAN, P35/P3500 VAN						
1990-91	V6 4.3L 262ci		500262S			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
GMC (con't)						
P15/P1500 VAN, P25/P2500 VAN, P35/P3500 VAN (con't)						
1995-99	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-99	V6 4.3L 262ci			500262		
1970-76	V8 5.7L 350ci		500350S			
1977-95	V8 5.7L 350ci	exc. Motorhome; w/8" Balancer	500350S			
1996-99	V8 5.7L 350ci	w/o Sensor		500350WO		
1996-99	V8 5.7L 350ci			500350		
1970-71	V8 7.4L 454ci		500454S		500454S-TM	
1973-90	V8 7.4L 454ci		500454S		500454S-TM	
R1500 PICKUP, R2500 PICKUP, R3500 PICKUP, V1500 PICKUP, V2500 PICKUP, V3500 PICKUP						
1987	V8 5.0L 305ci		500305S			
1987-91	V8 5.7L 350ci		500350S			
1987-90	V8 7.4L 454ci		500454S		500454S-TM	
R1500 SUBURBAN, R2500 SUBURBAN, V1500 SUBURBAN, V2500 SUBURBAN						
1987	V8 5.0L 305ci		500305S			
1987-91	V8 5.7L 350ci		500350S			
1987-90	V8 7.4L 454ci		500454S		500454S-TM	
S15 JIMMY, S15 PICKUP						
1985-90	L4 2.5L 151ci	Late Style	500151L			
1982-90	V6 2.8L 173ci		500189			
1988-92	V6 4.3L 262ci	w/Welded Pointer	500262S			
SAFARI						
1985-90	L4 2.5L 151ci	Late Style	500151L			
1985-93	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-03	V6 4.3L 262ci	w/o Crankshaft Sensor Hole		500262WO		
1996-03	V6 4.3L 262ci			500262		
SAVANA 1500, SAVANA 2500, SAVANA 3500						
1997	V6 4.3L 262ci			500262		
1997	V6 4.3L 262ci	w/o Sensor		500262WO		
1999-03	V6 4.3L 262ci			500262		
1999-03	V6 4.3L 262ci	w/o Sensor		500262WO		
2003-07	V8 4.8L 294ci	Rear Seal Housing	500323RSH			
1999-02	V8 5.0L 305ci			500350		
1999-02	V8 5.0L 305ci	w/o Sensor		500350WO		
2003-07	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
1996	V8 5.7L 350ci			500350		
1996	V8 5.7L 350ci	w/o Sensor		500350WO		
1999-02	V8 5.7L 350ci			500350		
1999-02	V8 5.7L 350ci	w/o Sensor		500350WO		
2003-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
SIERRA 1500						
1999-03	V6 4.3L 262ci	w/o Sensor		500262WO		
1999-04	V6 4.3L 262ci			500262		
1999-07	V8 4.8L 294ci	Rear Seal Housing	500323RSH			
2007-09	V8 4.8L 294ci		500LS2			
1999-06	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2005-09	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2007-09	V8 5.3L 325ci		500LS2			
2001-03	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2005-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2009	V8 6.2L 376ci		500LS2			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
GMC (con't)						
SIERRA 2500, SIERRA 3500						
1999-00	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
1999-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
SIERRA C3						
2001	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
SIERRA DENALI						
2002-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007	V8 6.0L 364ci		500LS2			
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2009	V8 6.2L 376ci		500LS2			
2007-08	V8 6.2L 378ci	Rear Seal Housing	500323RSH			
2007-08	V8 6.2L 378ci		500LS2			
SONOMA, SYCLONE, TYPHOON						
1991-93	L4 2.5L 151ci	Late Style	500151L			
1991-93	V6 2.8L 173ci		500189			
1991-93	V6 4.3L 262ci	w/Welded Pointer	500262S			
1995-03	V6 4.3L 262ci			500262		
1995-03	V6 4.3L 262ci	w/o Sensor		500262WO		
SPRINT						
1971-76	V8 5.7L 350ci		500350S			
1971-72	V8 6.6L 402ci		500454S		500454S-TM	
1974-75	V8 6.6L 402ci		500454S		500454S-TM	
1971-75	V8 7.4L 454ci		500454S		500454S-TM	
YUKON, YUKON DENALI, YUKON XL 1500, YUKON XL 2500						
2000-07	V8 4.8L 294ci	Rear Seal Housing	500323RSH			
2007-09	V8 4.8L 294ci		500LS2			
2000-05	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2005-07	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
2007-09	V8 5.3L 325ci		500LS2			
1992-95	V8 5.7L 350ci		500350S			
1996-00	V8 5.7L 350ci	w/o Sensor	500350WO			
1996-00	V8 5.7L 350ci			500350		
2000-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2007-09	V8 6.0L 364ci		500LS2			
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2009	V8 6.2L 376ci		500LS2			
2007-08	V8 6.2L 378ci	Rear Seal Housing	500323RSH			
2007-08	V8 6.2L 378ci		500LS2			
HUMMER						
H2						
2003-07	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
2009	V8 6.2L 376ci	Rear Seal Housing	500323RSH			
2008	V8 6.2L 378ci	Rear Seal Housing	500323RSH			
H3						
2008	V8 5.3L 325ci		500LS2			
HYUNDAI						
ACCENT						
1995-02	L4 1.5L 1495cc	SOHC; 12-Valve; lower right		502115		
1995-02	L4 1.5L 1495cc	SOHC; 12-Valve; upper cover		502123		
1996-00	L4 1.5L 1495cc	lower, outer		502119		
1996-00	L4 1.5L 1495cc	upper outer		502127		
2000-02	L4 1.5L 1495cc	SOHC; 12-Valve; lower center cover		502123		

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
HYUNDAI (con't)						
ACCENT (con't)						
2000-02	L4 1.5L 1495cc	SOHC; 12-Valve; upper left cover		502123		
2001-02	L4 1.5L 1495cc	DOHC; 16-Valve; lower, outer		502119		
2001-03	L4 1.5L 1495cc	DOHC; 16-Valve; upper outer		502127		
2006-08	L4 1.6L 1599cc	upper outer		502127		
2001-05	L4 1.6L 1600cc	lower, outer		502119		
2001-06	L4 1.6L 1600cc	upper outer		502127		
ELANTRA						
1992-94	L4 1.6L 1596cc	upper cover		502139		
1996-97	L4 1.8L 1795cc	lower		502175		
1996-97	L4 1.8L 1795cc	upper		502179		
1998	L4 1.8L 1796cc	lower		502175		
1998	L4 1.8L 1796cc	upper		502179		
1993-94	L4 1.8L 1836cc	upper cover		502139		
1999-06	L4 2.0L 1975cc	lower		502175		
1999-06	L4 2.0L 1975cc	upper		502179		
EXCEL						
1986-94	L4 1.5L 1468cc	SOHC; 8-Valve; inner cover		502123		
1986-94	L4 1.5L 1468cc	SOHC; 8-Valve; left cover		502123		
1986-94	L4 1.5L 1468cc	SOHC; 8-Valve; right cover		502123		
SCOUPE						
1991-92	L4 1.5L 1468cc	SOHC; 8-Valve; inner cover		502123		
1991-92	L4 1.5L 1468cc	SOHC; 8-Valve; left cover		502123		
1991-92	L4 1.5L 1468cc	SOHC; 8-Valve; right cover		502123		
1993-95	L4 1.5L 1495cc	SOHC; 12-Valve; lower right		502115		
1993-95	L4 1.5L 1495cc	SOHC; 12-Valve; upper cover		502123		
SONATA						
1992-94	L4 2.0L 1997cc	To 6/1/94; upper cover		502139		
1994-95	L4 2.0L 1997cc	From 6/1/94 - To 9/1/95; lower cover		502135		
1994-98	L4 2.0L 1997cc	From 6/1/94; upper cover		502143		
1989-91	L4 2.4L 2351cc	upper cover		502123		
TIBURON						
1997	L4 1.8L 1795cc	lower		502175		
1997	L4 1.8L 1795cc	upper		502179		
1997	L4 2.0L 1975cc	lower		502175		
1997	L4 2.0L 1975cc	upper		502179		
2003-06	L4 2.0L 1975cc	lower		502175		
2003-06	L4 2.0L 1975cc	upper		502179		
1998-01	L4 2.0L 1997cc	lower		502175		
1998-01	L4 2.0L 1997cc	upper		502179		
2003-06	V6 2.7L 2656cc	lower		502151		
2003-08	V6 2.7L 2656cc	upper outer		502147		
2007-08	V6 2.7L 2656cc	upper		502163		
XG300						
2001	V6 3.0L 2972cc	outer lower		502131		
XG350						
2002-05	V6 3.5L 3500cc	outer lower		502131		
2002-05	V6 3.5L 3500cc	upper, left		502159		
HYUNDAI TRUCK						
SANTA FE						
2001-06	V6 2.7L 2656cc	lower		502151		
2001-06	V6 2.7L 2656cc	upper outer		502147		

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
HYUNDAI TRUCK (con't)						
SANTA FE (con't)						
2006	V6 3.5L 3467cc	outer lower		502131		
2006	V6 3.5L 3467cc	upper, left		502159		
2003-05	V6 3.5L 3500cc	outer lower		502131		
2003-05	V6 3.5L 3500cc	upper, left		502159		
TUCSON						
2005-08	V6 2.7L 2656cc	lower		502151		
2005-08	V6 2.7L 2656cc	upper outer		502147		
ISUZU TRUCK						
ASCENDER						
2003-05	V8 5.3L 323ci	Rear Seal Housing	500323RSH			
2006	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
HOMBRE						
1997-98	V6 4.3L 262ci	w/Crankshaft Sensor Hole		500262		
2000	V6 4.3L 262ci	w/Crankshaft Sensor Hole		500262		
1997-99	V6 4.3L 4294cc	w/Crankshaft Sensor Hole		500262		
JEEP						
CJ3, CJ5, CJ6, JEEPSTER						
1966-71	V6 3.7L 225ci		500231		500231-TM	
J-100, J-2500, J-2600, J-2700, J-3500, J-3600, J-3700, J-3800, J-4500, J-4600, J-4700, WAGONEER						
1969-71	V8 5.7L 350ci		500231		500231-TM	
KIA						
AMANTI						
2004-06	V6 3.5L 3497cc	lower		502131		
2004-06	V6 3.5L 3497cc	upper, left		502159		
OPTIMA						
2001-06	L4 2.4L 2351cc	DOHC; lower		502155		
2006	L4 2.4L 2359cc	DOHC; lower		502155		
RIO						
2001-02	L4 1.5L 1493cc	DOHC; center		502195		
2001-02	L4 1.5L 1493cc	DOHC; lower		502195		
2003-05	L4 1.6L 1594cc	DOHC; center		502195		
2003-05	L4 1.6L 1594cc	lower		502195		
2006-08	L4 1.6L 1599cc	upper		502127		
SEPHIA						
1998-01	L4 1.8L 1793cc	upper		502191		
2001	L4 1.8L 1793cc	lower		502187		
SPECTRA						
2000-04	L4 1.8L 1793cc	lower		502187		
2000-04	L4 1.8L 1793cc	upper		502191		
KIA TRUCK						
SEDONA						
2002-05	V6 3.5L 3497cc	upper, left		502159		
2002-06	V6 3.5L 3497cc	lower		502131		
SORENTO						
2003-06	V6 3.5L 3497cc	left upper		502167		
2003-06	V6 3.5L 3497cc	right upper		502171		
SPORTAGE						
1995	L4 2.0L 1998cc	lower		502183		
1996-02	L4 2.0L 1998cc	DOHC; lower		502183		
2005-08	V6 2.7L 2656cc	upper outer		502147		

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
LINCOLN						
CONTINENTAL						
1982	V6 3.8L 232ci		500232			
1980	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1980	V8 5.0L 302ci	w/Crank Sensor	500302S			
1982	V8 5.0L 302ci	w/Crank Sensor	500302S			
1982-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987	V8 5.0L 302ci		500302L			
1980	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968	V8 7.0L 429ci		500460			500460D
1968-78	V8 7.5L 460ci		500460			500460D
MARK III, MARK IV, MARK V, MARK VI, MARK VII						
1980-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1980-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-87	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-92	V8 5.0L 302ci		500302L			
1980	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-78	V8 7.5L 460ci		500460			500460D
TOWN CAR						
1981-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1981-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-90	V8 5.0L 302ci		500302L			
VERSAILLES						
1977-80	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-80	V8 5.0L 302ci	w/Crank Sensor	500302S			
1977	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
CALIENTE, COMMUTER, VILLAGER, VOYAGER						
1964-67	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
MERCURY						
CAPRI						
1983-86	V6 3.8L 232ci		500232			
1980-82	V8 4.2L 255ci	w/EEC	500232			
1980-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1979	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979	V8 5.0L 302ci	w/Crank Sensor	500302S			
1982-83	V8 5.0L 302ci	w/Crank Sensor	500302S			
1982-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
COLONY PARK						
1979-82	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1984	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-91	V8 5.0L 302ci		500302L			
1971-73	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-81	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-73	V8 7.0L 429ci		500460			500460D
1972-74	V8 7.5L 460ci		500460			500460D
1976	V8 7.5L 460ci		500460			500460D
COMET, CYCLONE						
1964-67	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-77	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
MERCURY (con't)						
COMET, CYCLONE (con't)						
1971-77	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-71	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1970-71	V8 7.0L 429ci		500460			500460D
COUGAR						
1982-87	V6 3.8L 232ci		500232			
1980-82	V8 4.2L 255ci	w/EEC	500232			
1980-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1967-68	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1968-70	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1977-81	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-81	V8 5.0L 302ci	w/Crank Sensor	500302S			
1983-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-88	V8 5.0L 302ci		500302L			
1991-93	V8 5.0L 302ci		500302L			
1969-79	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1970-71	V8 7.0L 429ci		500460			500460D
1973-76	V8 7.5L 460ci		500460			500460D
GRAND MARQUIS, MARQUIS						
1983-86	V6 3.8L 232ci		500232			
1981-82	V8 4.2L 255ci	w/EEC	500232			
1981-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1979-82	V8 5.0L 302ci	w/Crank Sensor	500302S			
1979-84	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1985-86	V8 5.0L 302ci	w/Crank Sensor	500302S			
1987-91	V8 5.0L 302ci		500302L			
1971-73	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1978-82	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1983-86	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1987-89	V8 5.8L 351ci		500302L			
1969-73	V8 7.0L 429ci		500460			500460D
1972-78	V8 7.5L 460ci		500460			500460D
MARAUDER						
1969-70	V8 7.0L 429ci		500460			500460D
MONARCH, ZEPHYR						
1980-82	V8 4.2L 255ci	w/EEC	500232			
1980-82	V8 4.2L 255ci	w/o EEC; w/Dipstick hole and cover	500302S			
1975-80	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1979-80	V8 5.0L 302ci	w/Crank Sensor	500302S			
1975-77	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
MONTEGO						
1968-74	V8 5.0L 302ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-76	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1970-73	V8 7.0L 429ci		500460			500460D
1973-76	V8 7.5L 460ci		500460			500460D
MONTEREY						
1971-73	V8 5.8L 351ci	w/Std. Flow Water Pumps & V-Belts	500302E			
1969-73	V8 7.0L 429ci		500460			500460D
1972-74	V8 7.5L 460ci		500460			500460D
MOUNTAINEER						
1997-01	V8 5.0L 302ci		500302T			
NISSAN						
200SX						
1995-98	L4 1.6L 1597cc		500160L			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
NISSAN (con't)						
200SX (con't)						
1995-98	L4 2.0L 1998cc		500200			
240SX						
1991-94	L4 2.4L 2389cc	OE #1350053F01	500241			
1995-98	L4 2.4L 2389cc	OE #1350070F01	500242			
ALTIMA						
1993-97	L4 2.4L 2389cc		500240A			
1998-01	L4 2.4L 2389cc		500240B			
NX						
1991-93	L4 1.6L 1597cc		500160N			
1991-93	L4 2.0L 1998cc		500200			
PULSAR NX						
1989-90	L4 1.6L 1597cc		500160E			
SENTRA						
1989-90	L4 1.6L 1597cc		500160E			
1991-94	L4 1.6L 1597cc		500160N			
1995-99	L4 1.6L 1597cc		500160L			
1991-94	L4 2.0L 1998cc		500200			
1998-01	L4 2.0L 1998cc		500200			
STANZA						
1990-92	L4 2.4L 2389cc		500240			
NISSAN TRUCK						
AXXESS						
1990-92	L4 2.4L 2389cc		500240			
1993-95	L4 2.4L 2389cc		500240A			
D21 PICKUP						
1990-93	L4 2.4L 2389cc		500240T			
FRONTIER, XTERRA						
1998-04	L4 2.4L 2389cc	OE #135013S502	500245			
PICKUP						
1994-95	L4 2.4L 2389cc		500240T			
1996-97	L4 2.4L 2389cc	OE #135011S701	500243			
OLDSMOBILE						
442, F85						
1969-72	V8 5.7L 350ci		500350S			
98, 98 REGENCY						
1985	V6 3.0L 181ci	20 Bolt Oil Pan	500230			
1985-87	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1991-92	V6 3.8L 231ci	Late Style	500230L			
1981-83	V6 4.1L 252ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1972-73	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
BRAVADA						
1991-92	V6 4.3L 262ci	w/Welded Pointer	500262S			
1996-01	V6 4.3L 262ci			500262		
1996-01	V6 4.3L 262ci	w/o Sensor		500262WO		
CALAIS, CUTLASS CALAIS						
1985-91	L4 2.5L 151ci		500151E			
1985-88	V6 3.0L 181ci	2 Water By-pass Nipples	500230			
1978-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-84	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1984	V8 5.0L 305ci		500305S			
1980	V8 5.7L 350ci		500350S			

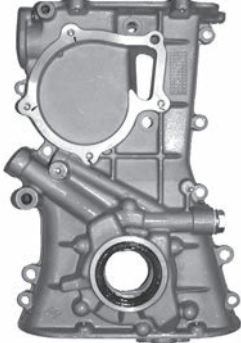
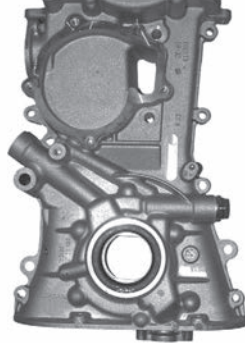
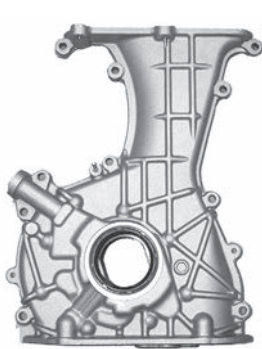
Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
OLDSMOBILE (con't)						
CUSTOM CRUISER						
1991-92	V8 5.0L 305ci		500305S			
1973	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
1992	V8 5.7L 350ci		500350S			
CUTLASS						
1977	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1980-81	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1980-81	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1969-76	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
CUTLASS CIERA						
1985-92	L4 2.5L 151ci		500151E			
1982-85	V6 2.8L 173ci		500189			
1982-85	V6 3.0L 181ci	14 or 20 Bolt Oil Pan	500230			
1984-88	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
CUTLASS CRUISER						
1980-83	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1980-83	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1987	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1982-83	V8 5.0L 305ci		500305S			
1980	V8 5.7L 350ci		500350S			
CUTLASS SALON, CUTLASS SUPREME						
1977-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-87	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1983	V8 5.0L 305ci		500305S			
1985-87	V8 5.0L 305ci		500305S			
1969-76	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
CUTLASS VISTA CRUISER						
1978-79	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
DELTA 88						
1986	V6 3.0L 181ci		500230			
1977-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-88	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1991-92	V6 3.8L 231ci	Late Style	500230L			
1969-76	V8 5.7L 350ci		500350S			
1980	V8 5.7L 350ci		500350S			
FIRENZA						
1985	V6 2.8L 173ci		500189			
OMEGA						
1982-84	V6 2.8L 173ci		500189			
1977-79	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1973-76	V8 5.7L 350ci		500350S			
SILHOUETTE						
1992	V6 3.8L 231ci	Late Style	500230L			
STARFIRE						
1976-80	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-80	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
TORONADO						
1986-87	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1991-92	V6 3.8L 231ci	Late Style	500230L			
1981	V6 4.1L 252ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1982-84	V6 4.1L 252ci	14 or 20 Bolt Oil Pan	500230			

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
OLDSMOBILE (con't)						
TORONADO (con't)						
1980	V8 5.7L 350ci		500350S			
VISTA CRUISER						
1969-76	V8 5.7L 350ci		500350S			
PLYMOUTH						
BARRACUDA, CUDA, DUSTER, ROADRUNNER, SATELLITE						
1970-76	V8 5.2L 318ci		500390			
1968-73	V8 5.6L 340ci		500390			
1974-76	V8 5.9L 360ci		500390			
BELVEDERE						
1970	V8 5.2L 318ci		500390			
CARAVELLE						
1978-79	V8 5.9L 360ci		500390			
1978-89	V8 5.2L 318ci		500390			
FURY, VALIANT, VOLARE						
1970-78	V8 5.2L 318ci		500390			
1971-78	V8 5.9L 360ci		500390			
GRAN FURY						
1972-73	V8 5.2L 318ci		500390			
1975-77	V8 5.2L 318ci		500390			
1980-89	V8 5.2L 318ci		500390			
1972-77	V8 5.9L 360ci		500390			
1980	V8 5.9L 360ci		500390			
SCAMP						
1971-76	V8 5.2L 318ci		500390			
PLYMOUTH TRUCK						
PB100-PB350 VAN VOYAGER, TRAILDUSTER						
1974-83	V8 5.2L 318ci		500390			
1974-83	V8 5.9L 360ci		500390			
PONTIAC						
6000						
1982-91	L4 2.5L 151ci		500151L			
1982-89	V6 2.8L 173ci		500189			
ACADIAN						
1968-71	V8 5.7L 350ci	RWD	500231		500231-TM	
BONNEVILLE						
1980-84	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1980-88	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1991-92	V6 3.8L 231ci	Late Style	500230L			
1983-86	V8 5.0L 305ci		500305S			
1970	V8 5.7L 350ci	RWD	500231		500231-TM	
1977-80	V8 5.7L 350ci	RWD	500231		500231-TM	
1982	V8 5.7L 350ci		500350S			
CATALINA, LAURENTIAN, GRAND SAFARI						
1977-81	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-81	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1970-71	V8 5.7L 350ci	RWD	500231		500231-TM	
1972-73	V8 5.7L 350ci		500350S			
1976	V8 5.7L 350ci		500350S			
1976-80	V8 5.7L 350ci	RWD	500231		500231-TM	
EXECUTIVE						
1970	V8 5.7L 350ci	RWD	500231		500231-TM	

Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
PONTIAC (con't)						
FIERO						
1984-88	L4 2.5L 151ci		500151L			
1985-88	V6 2.8L 173ci		500189			
FIREBIRD						
1982-86	L4 2.5L 151ci		500151L			
1982-89	V6 2.8L 173ci		500189			
1977-81	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1989	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1982-92	V8 5.0L 305ci		500305S			
1968-79	V8 5.7L 350ci	RWD	500231		500231-TM	
1972-76	V8 5.7L 350ci		500350S			
1987-92	V8 5.7L 350ci		500350S			
1993-94	V8 5.7L 350ci		500350LT1			
1995	V8 5.7L 350ci		500350S			
1996-02	V8 5.7L 350ci			500350		
1996-02	V8 5.7L 350ci	w/o Sensor		500350WO		
1998-02	V8 5.7L 350ci		500LS1			
GRAND AM						
1985-91	L4 2.5L 151ci		500151E			
1979	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1979	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1973	V8 5.7L 350ci		500350S			
1975	V8 5.7L 350ci	RWD	500231		500231-TM	
GRAND LEMANS, LEMANS						
1977-81	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-81	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1982-83	V8 5.0L 305ci		500305S			
1968-71	V8 5.7L 350ci	RWD	500231		500231-TM	
1972-76	V8 5.7L 350ci		500350S			
1974-79	V8 5.7L 350ci	RWD	500231		500231-TM	
1982	V8 5.7L 350ci		500350S			
GRAND PRIX						
1988-89	V6 2.8L 173ci		500189			
1980-87	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1982	V6 4.1L 252ci	14 or 20 Bolt Oil Pan	500230			
1983-87	V8 5.0L 305ci		500305S			
2005-07	V8 5.3L 325ci	Rear Seal Housing	500323RSH			
1976	V8 5.7L 350ci		500350S			
1977-84	V8 5.7L 350ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1982	V8 5.7L 350ci		500350S			
GTO						
1970	V8 5.7L 350ci	RWD	500231		500231-TM	
2004	V8 5.7L 350ci		500LS1			
2005-06	V8 6.0L 364ci	Rear Seal Housing	500323RSH			
PARISIENNE						
1981-85	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231			
1984	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
1982-86	V8 5.0L 305ci		500305S			
1976	V8 5.7L 350ci		500350S			
1976-80	V8 5.7L 350ci	RWD	500231		500231-TM	
1982	V8 5.7L 350ci		500350S			
PHOENIX						
1982-84	L4 2.5L 151ci		500151L			
1982-84	V6 2.8L 173ci		500189			
1977-79	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	

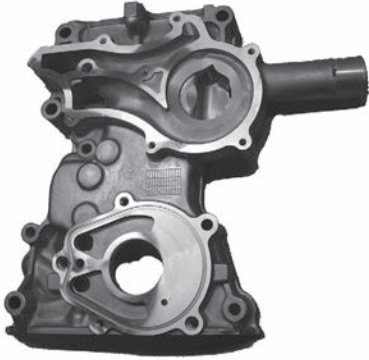
Year	Engine	Description	Aluminum Timing Cover	Plastic Timing Cover	Timing Mark	Dipstick Tube
PONTIAC (con't)						
PHOENIX (con't)						
1977-79	V8 5.7L 350ci	RWD	500231		500231-TM	
SAFARI						
1968-70	V8 5.7L 350ci	RWD	500231		500231-TM	
SUNBIRD						
1976-80	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1979-80	V6 3.8L 231ci	20 Bolt Oil Pan	500230			
TEMPEST						
1987-89	V6 2.8L 173ci		500189			
1968	V8 5.7L 350ci	RWD	500231		500231-TM	
1970	V8 5.7L 350ci	RWD	500231		500231-TM	
TRANS SPORT						
1992	V6 3.8L 231ci	Late Style	500230L			
VENTURA						
1977	V6 3.8L 231ci	RWD; 14 Bolt Oil Pan	500231		500231-TM	
1972-75	V8 5.7L 350ci		500350S			
1974-77	V8 5.7L 350ci	RWD	500231		500231-TM	
SHELBY						
COBRA						
1963-65	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
SUNBEAM						
TIGER						
1964-67	V8 4.7L 289ci	w/Std. Flow Water Pumps & V-Belts	500302E			
TOYOTA						
CELICA, CORONA						
1981-84	L4 2.4L 2366cc		500220E			
1985	L4 2.4L 2366cc		500220			
TOYOTA TRUCK						
4RUNNER, PICKUP, VAN WAGON						
1981-84	L4 2.4L 2366cc		500220E			
1985-95	L4 2.4L 2366cc		500220			

TIMING COVER ILLUSTRATIONS

500LS1  1997-2005 GM V8 5.7L (346cid, 350cid)	500LS2  2005-2009 GM Includes HUMMER V6 4.3L, V8 4.8L, 5.3L, 6.0L, 6.2L (376cid), 7.0L	500151E  1985-1992 GM L4 2.5L (151 cid) Early REFERENCE O.E.M.# 10044605
500151L  1982-1993 GM L4 2.5L (151 cid) Late REFERENCE O.E.M.# 10044603	500160E  1989-1990 NISSAN L4 1.6L (1597cc) VIN#GA161 REFERENCE O.E.M.# 13500-77A00	500160L  1995-1999 NISSAN L4 1.6L (1597cc) VIN#GA16DE REFERENCE O.E.M.# 13500-53401
500160N  1991-1994 NISSAN L4 1.6L	500189  1982-1993 GM V6 2.8L & 3.1L (173cid & 189cid) REFERENCE O.E.M.# 12509037	500200  1991-2001 NISSAN L4 2.0L (1998cc) SENTRA SR20DE REFERENCE O.E.M.# 13500-53J00

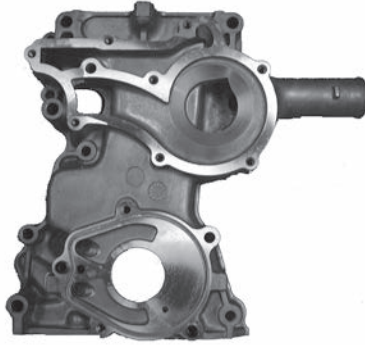
TIMING COVER ILLUSTRATIONS

500220



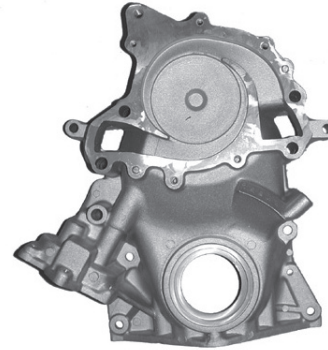
1985-1995 TOYOTA
L4 2.4L (2366cc) VIN#22R & 22REC
REFERENCE O.E.M.# 11302-35010

500220E



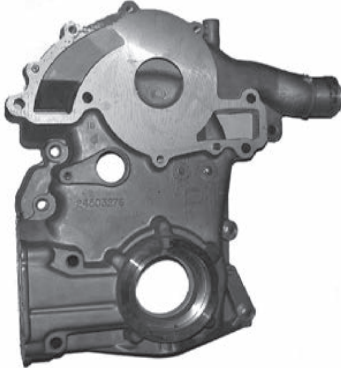
1981-1984 TOYOTA
L4 2.4L (2366cc) VIN#22R
REFERENCE O.E.M.# 11302-38010

500230



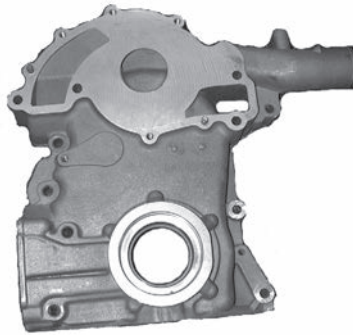
1979-1989 GM V6
3.0L, 3.8L, 4.1L (181cid & 231cid)
FWD ONLY
REFERENCE O.E.M.# 12329552,
22522648, 25522653

500230L



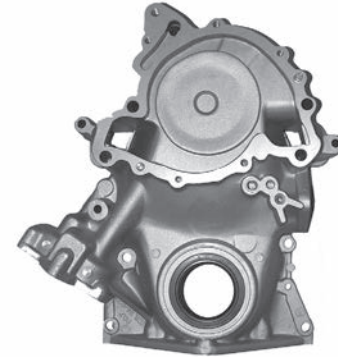
1990-1996 GM
V6 3.3L & 3.8L (181 cid & 231 cid)
Late Style
REFERENCE O.E.M.# 24501515 &
25534687

500230WO



1993-1995 BUICK
V6 3.8 L (231 cid)
No Cam Button & Sensor Hole,
Side Outlet
REFERENCE O.E.M.# 24502348

500231



1964-1987 GM
V6 3.2L, 3.7L, 3.8L, 4.1L
V8 4.9L, 5.6L, 5.7L
RWD ONLY
REFERENCE O.E.M.# 25515465

500231-TM



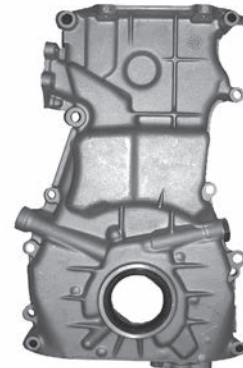
1964-1987 GM
V6 3.2L, 3.7L, 3.8L, 4.1L
V8 4.9L, 5.6L, 5.7L
RWD ONLY
STEEL TIMING TAB

500232



1980-1987 FORD
V6 3.8L & V8 4.2L VIN#3
REFERENCE O.E.M.# E6SZ-6019-B

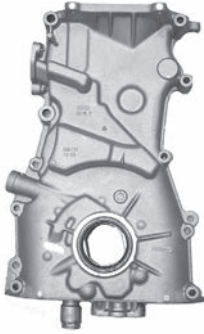
500240



1990-1992 NISSAN
L4 2.4L (2389cc) VIN#KA24E
REFERENCE O.E.M.# 13500-30R00

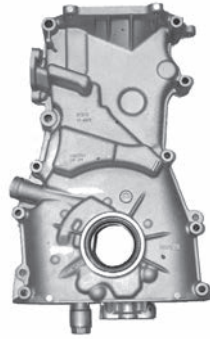
TIMING COVER ILLUSTRATIONS

500240A



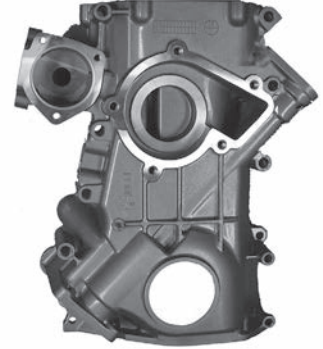
1993-1997 NISSAN
L4 2.4L (2389cc)
ALTIMA VIN#KA24DE
REFERENCE O.E.M.# 13500-1E402

500240B



1998-2001 NISSAN
L4 2.4L (2389cc)
ALTIMA VIN#KA24DE
REFERENCE O.E.M.# 13500-1E404

500240T



1990-1995 NISSAN
L4 2.4L (2389cc)
VIN#KA24E TRUCK ONLY
REFERENCE O.E.M.# 13500-40F81

500241



1991-1994 NISSAN
L4 2.4L

500242



1995-1998 NISSAN
L4 2.4L

500243



1996-1997 NISSAN
L4 2.4L

500245

Photo Not Available
at Press Time

1998-2004 NISSAN
L4 2.4L

500262



1995-2003 GM V6 4.3L (262cid)
VIN#W, X, & Z
REFERENCE O.E.M.# 12554555 &
89017259

500262S



1985-1994 GM
V6 4.3L (262cid) VIN#N & B
REFERENCE O.E.M.# 12513961

TIMING COVER ILLUSTRATIONS

500262WO



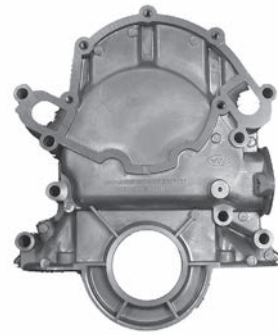
1995-2003 GM
V6 4.3L (262cid)
VIN# W, X, & Z w/o sensor
REFERENCE O.E.M.#
12554557 & 89017261 (w/o sensor)

500300



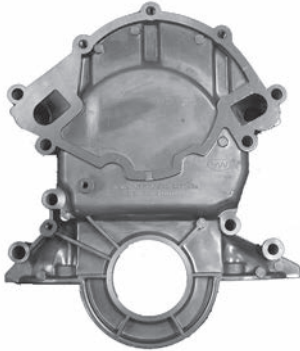
1965-1997 FORD
L6 3.9L & 4.9L (240 & 300cid)
TRUCK
REFERENCE O.E.M.# E5TE-6019-H

500302E



1963-1986 FORD
V8 4.7L, 4.8L, 5.0L, 5.8L
(289 & 302cid) w/o sensor
REFERENCE O.E.M.# D9TE-6059-AB

500302L



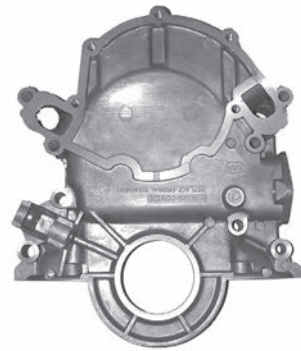
1987-1997 FORD
V8 5.0L & 5.8L
(302 & 351W) REVERSE FLOW
REFERENCE O.E.M.# F6TZ-6019-NA

500302M



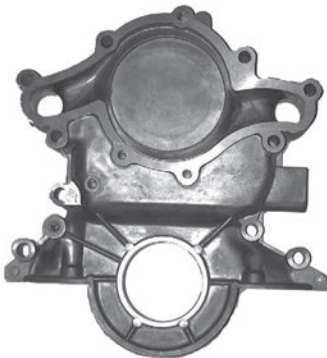
1982-1993 FORD
V8 5.0L (302cid)
MUSTANG W/ELEC FUEL PUMP
REFERENCE O.E.M.# E5AE & E8AE

500302S



1966, 1970-1987 FORD
V8 4.2L, 4.7L, 5.0L
(302 & 351W) UNIVERSAL
REFERENCE O.E.M.# E3AE-6059-AB
INCLUDES: FUEL BLOCK OFF PLATE TO FIT LATE
MODEL ELECTRIC FUEL PUMP APPLICATIONS

500302T



1994-2001 FORD V8 5.0L (302cid)
EXPLORER & MOUNTAINEER
REFERENCE O.E.M.#
F67Z+6019-AA, F1SE-6059-BC,
F87E-6059-AA

500305S



1967-1998 GM
L6 3.8L, 4.1L, 4.8L V6 4.3L
V8 4.4L, 4.6L, 5.0L (305cid, 307cid),
5.4L, 5.7L, 6.2L, 6.5L, 6.6L
For 7" HARMONIC BALANCERS

500323RSH



1999-2009 GM
Includes HUMMER
V8 4.8L, 5.3L (323cid, 325cid),
6.0L, 6.2L (376cid, 378cid) 7.0L

TIMING COVER ILLUSTRATIONS

500350



1994-2002 GM
V8 5.0L & 5.7L
(305 & 350 cid) VIN# M & R
REFERENCE O.E.M.#
12558343 & 93800970

500350LT1



1993-1994 GM
V8 5.7L (350 cid) LT1
REFERENCE O.E.M.# 12551636

500350S



1969-1996 GM
V8 5.0L & 5.7L (350cid)
For 8" HARMONIC BALANCERS
REFERENCE O.E.M.# 12531283

500350WO



1994-2002 GM
V8 5.0L & 5.7L (305 & 350cid)
VIN#M, R w/o sensor
REFERENCE O.E.M.# 12562818
(w/o sensor)

500390



1968-1995 DODGE
V6 3.9L, V8 5.2L, 5.6L, 5.9L
REFERENCE O.E.M.#
2951671 & 3769964

500390L



1996-2006 DODGE
L4 2.4L, 2.5L; L5 2.7L; L6 5.9L;
V10 8.0L, 8.3L; V6 3.0L, 3.3L, 3.7L,
3.8L, 3.9L; V8 4.7L (285cid, 287cid),
5.2L 5.7L, 5.9L ELECTRIC

500454S



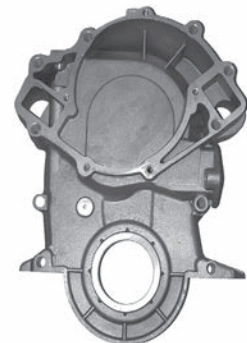
1966-1990 GM
V8 6.0L, 6.5L, 6.6L (400cid, 402cid),
7.0L, 7.4L
REFERENCE O.E.M.# 3885048 &
330850

500454S-TM



1966-1990 GM
V8 6.0L, 6.5L, 6.6L (400cid, 402cid),
7.0L, 7.4L

500460



1968-1997 FORD
V8 7.0L, 7.5L (460cid)
REFERENCE O.E.M.# E5TZ-6019-K
INCLUDES: DIPSTICK TUBE PLUG, FUEL PUMP
BLOCK OFF PLATE & GASKET OIL PAN
MOUNTING STUDS.

TIMING COVER ILLUSTRATIONS

500460D



1968-1997 FORD
V8 7.0L, 7.5L
DIPSTICK TUBE FOR 500460
TIMING COVER
REFERENCE O.E.M.# C8SZ-6754-A

502115



1993-2002 HYUNDAI
L4 1.5L

502119

*Photo Not Available
at Press Time*

1996-2005 HYUNDAI
L4 1.5L, 1.6L

502123



1986-2002 HYUNDAI
L4 1.5L, 2.4L

502127



1996-2006 HYUNDAI, KIA
L4, 1.5L, 1.6L

502131



2001-2006 HYUNDAI, KIA
V6 3.0L, 3.5L

502135



1994-1995 HYUNDAI
L4 2.0L

502139

*Photo Not Available
at Press Time*

1992-94 HYUNDAI
L4 1.6L, 1.8L, 2.0L

502143



1994-1998 HYUNDAI
L4 2.0L

TIMING COVER ILLUSTRATIONS

502147  2001-2008 HYUNDAI, KIA V6 2.7L	502151  2001-2008 HYUNDAI V6, 2.7L	502155  2001-2006 KIA L4 2.4L
502159  2002-2006 HYUNDAI, KIA V6 3.5L	502163 <i>Photo Not Available at Press Time</i> 2007-2008 HYUNDAI V6 2.7L	502167  2003-2006 KIA V6 3.5L
502171 <i>Photo Not Available at Press Time</i> 2003-2006 KIA V6 3.5L	502175  1996-2006 HYUNDAI L4 1.8L, 2.0L	502179 <i>Photo Not Available at Press Time</i> 1996-2006 HYUNDAI L4 1.8L, 2.0L

TIMING COVER ILLUSTRATIONS

502183  1995-2002 KIA L4 2.0L	502187  2000-2004 KIA L4 1.8L	502191  1998-2004 KIA L4 1.8L
502195  2001-2005 KIA L4 1.5L, 1.6L		

CONVERSION TABLE

Inch Fractions and Decimals to Metric Equivalents

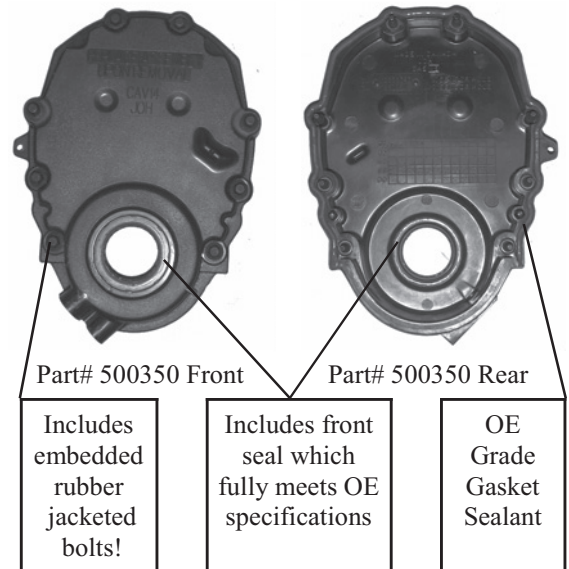
INCHES		MM	INCHES		MM	INCHES		MM	INCHES		MM
Fractions	Decimals		Fractions	Decimals		Fractions	Decimals		Fractions	Decimals	
—	.0004	.01	—	.4331	11	31/32	.96875	24.606	1-7/8	1.875	47.625
—	.004	.10	7/16	.4375	11.113	—	.9843	25	—	1.8898	48
—	.01	.25	29/64	.4531	11.509	1	1.000	25.4	1-29/32	1.9062	48.419
1/64	.0156	.396	15/32	.46875	11.906	—	1.0236	26	—	1.9291	49
—	.0197	.50	—	.4724	12	1-1/32	1.0312	26.194	1-15/16	1.9375	49.213
—	.0295	.75	31/64	.48437	12.303	1-1/6	1.062	26.988	—	1.9685	50
1/32	.03125	.794	—	.492	12.5	—	1.063	27	1-31/32	1.969	50.006
—	.0394	1	1/2	.500	12.700	1-3/32	1.094	27.781	2	2.000	50.800
3/64	.0469	1.191	—	.5118	13	—	1.1024	28	—	2.0079	51
—	.059	1.5	33/64	.5156	13.097	1-1/8	1.125	28.575	—	2.0472	52
1/16	.0625	1.588	17/32	.53125	13.494	—	1.1417	29	2-1/16	2.062	52.388
5/64	.0781	1.984	35/64	.54687	13.891	1-5/32	1.156	29.369	—	2.0866	53
—	.0787	2	—	.5512	14	—	1.1811	30	2-1/8	2.125	53.975
3/32	.094	2.381	9/16	.5625	14.288	1-3/16	1.1875	30.163	—	2.126	54
—	.0984	2.5	—	.571	14.5	1-7/32	1.219	30.956	—	2.165	55
7/64	.1093	2.776	37/64	.57812	14.684	—	1.2205	31	2-3/16	2.1875	55.563
—	.1181	3	—	.5906	15	1-1/4	1.250	31.750	—	2.2047	56
1/8	.1250	3.175	19/32	.59375	15.081	—	1.2598	32	—	2.244	57
—	.1378	3.5	39/64	.60937	15.478	1-9/32	1.281	32.544	2-1/4	2.250	57.150
9/64	.1406	3.572	5/8	.6250	15.875	—	1.2992	33	—	2.2835	58
5/32	.15625	3.969	—	.6299	16	1-5/16	1.312	33.338	2-5/16	2.312	58.738
—	.1575	4	41/64	.6406	16.272	—	1.3386	34	—	2.3228	59
11/64	.17187	4.366	—	.6496	16.5	1-11/32	1.344	34.131	—	2.3622	60
—	.177	4.5	21/32	.65625	16.669	1-3/8	1.375	34.925	2-3/8	2.375	60.325
3/16	.1875	4.763	—	.6693	17	—	1.3779	35	—	2.4016	61
—	.1969	5	43/64	.67187	17.066	1-13/32	1.406	35.719	2-7/16	2.438	61.913
13/64	.2031	5.159	11/16	.6875	17.463	—	1.4173	36	—	2.4409	62
—	.2165	5.5	45/64	.7031	17.859	1-7/16	1.438	36.513	—	2.4803	63
7/32	.21875	5.556	—	.7087	18	—	1.4567	37	2-1/2	2.500	63.500
15/64	.23437	5.953	23/32	.71875	18.256	1-15/32	1.469	37.306	—	2.5197	64
—	.2362	6	—	.7283	18.5	—	1.4961	38	—	2.559	65
1/4	.2500	6.350	47/64	.73437	18.653	1-1/2	1.500	38.100	2-9/16	2.562	65.088
—	.2559	6.5	—	.7480	19	1-17/32	1.531	38.894	—	2.5984	66
17/64	.2656	6.747	3/4	.7500	19.050	—	1.5354	39	2-5/8	2.625	66.675
—	.2756	7	49/64	.7656	19.447	1-9/16	1.562	39.688	—	2.638	67
9/32	.28125	7.144	25/32	.78125	19.844	—	1.5748	40	—	2.6772	68
—	.2953	7.5	—	.7874	20	1-19/32	1.594	40.481	2-11/16	2.6875	68.263
19/64	.29687	7.541	51/64	.79687	20.241	—	1.6142	41	—	2.7165	69
5/16	.3125	7.938	13/16	.8125	20.638	1-5/8	1.625	41.275	2-3/4	2.750	69.850
—	.3150	8	—	.8268	21	—	1.6535	42	—	2.7559	70
21/64	.3281	8.334	53/64	.8281	21.034	1-21/32	1.6562	42.069	—	2.7953	71
—	.335	8.5	27/32	.84375	21.431	1-11/16	1.6875	42.863	2-13/16	2.8125	71.438
11/32	.34375	8.731	55/64	.85937	21.828	—	1.6929	43	—	2.8346	72
—	.3543	9	—	.8662	22	1-23/32	1.719	43.656	—	2.8740	73
23/64	.35937	9.128	7/8	.8750	22.225	—	1.7323	44	2-7/8	2.875	73.025
—	.374	9.5	57/64	.8906	22.622	1-3/4	1.750	44.450	—	2.9134	74
3/8	.3750	9.525	—	.9055	23	—	1.7717	45	2-15/16	2.9375	74.613
25/64	.3906	9.922	29/32	.90625	23.019	1-25/32	1.781	45.244	—	2.9527	75
—	.3937	10	59/64	.92187	23.416	—	1.8110	46	—	2.9921	76
13/32	.4062	10.319	15/16	.9375	23.813	1-13/16	1.8125	46.038	3	3.000	76.200
—	.413	10.5	—	.9449	24	1-27/32	1.844	46.831	—	—	—
27/64	.42187	10.716	61/64	.9531	24.209	—	1.8504	47	—	—	—

PIONEER NUMBER	MAKE	YEARS	ENGINE
500151E	BUICK, OLDSMOBILE, PONTIAC	1985-92	L4 2.5L
500151L	BUICK, CHEVROLET, GMC, PONTIAC	1982-93	L4 2.5L
500160E	NISSAN	1989-90	L4 1.6L
500160L	NISSAN	1995-99	L4 1.6L
500160N	NISSAN	1991-94	L4 1.6L
500189	CHEVROLET, GMC, OLDSMOBILE, PONTIAC	1982-93	V6 2.8L, 3.1L
500200	NISSAN	1991-01	L4 2.0L
500220	TOYOTA	1985-95	L4 2.4L
500220E	TOYOTA	1981-84	L4 2.4L
500230	BUICK, CHEVROLET, OLDSMOBILE, PONTIAC	1979-89	V6 3.0L, 3.8L, 4.1L
500230L	BUICK, CHEVROLET, OLDSMOBILE, PONTIAC	1990-96	V6 3.3L, 3.8L
500230WO	BUICK	1993-95	V6 3.8L
500231	BUICK, CADILLAC, CHEVROLET, JEEP, OLDSMOBILE, PONTIAC	1964-87	V6 3.2L, 3.7L, 3.8L, 4.1L, V8 4.9L, 5.6L, 5.7L
500231-TM	BUICK, CADILLAC, CHEVROLET, JEEP, OLDSMOBILE, PONTIAC	1964-87	V6 3.2L, 3.7L, 3.8L, 4.1L, V8 4.9L, 5.6L, 5.7L
500232	FORD, LINCOLN, MERCURY	1980-87	V6 3.8L, V8 4.2L
500240	NISSAN	1990-92	L4 2.4L
500240A	NISSAN	1993-97	L4 2.4L
500240B	NISSAN	1998-01	L4 2.4L
500240T	NISSAN	1990-95	L4 2.4L
500241	NISSAN	1991-94	L4 2.4L
500242	NISSAN	1995-98	L4 2.4L
500243	NISSAN	1996-97	L4 2.4L
500245	NISSAN	1998-04	L4 2.4L
500262	CHEVROLET, GMC, ISUZU, OLDSMOBILE	1995-03	V6 4.3L
500262S	CHEVROLET, GMC, OLDSMOBILE	1985-94	V6 4.3L
500262WO	CHEVROLET, GMC, OLDSMOBILE	1995-03	V6 4.3L
500300	FORD	1965-96	L6 3.9, 4.9L
500302E	FORD, LINCOLN, MERCURY, SHELBY, SUNBEAM	1963-86	V8 4.7L, 4.8L, 5.0L, 5.8L
500302L	FORD, LINCOLN, MERCURY	1987-97	V8 5.0L, 5.8L
500302M	FORD	1982-93	V8 5.0L
500302S	FORD, LINCOLN, MERCURY	1966, 1970-87	V8 4.2L, 4.7, 5.0L
500302T	FORD, MERCURY	1994-01	V8 5.0L
500305S	BUICK, CADILLAC, CHEVROLET, OLDSMOBILE, PONTIAC	1967-98	L6 3.8L, 4.1L, 4.8L, V6 4.3L, V8 4.4L, 4.6L, 5.0L (305ci, 307ci), 5.4L, 5.7L, 6.2L, 6.5L, 6.6L
500323RSH	BUICK, CADILLAC, CHEVROLET, GMC, HUMMER, ISUZU, PONTIAC	1999-09	V8 4.8L, 5.3L (323ci, 325ci), 6.0L, 6.2L (376ci, 378ci), 7.0L
500350	CADILLAC, CHEVROLET, GMC, PONTIAC	1994-02	V8 5.0L, 5.7L
500350LT1	CHEVROLET, PONTIAC	1993-94	V8 5.7L
500350S	CHEVROLET, GMC, OLDSMOBILE, PONTIAC	1969-96	V8 5.0L, 5.7L
500350WO	CADILLAC, CHEVROLET, GMC, PONTIAC	1994-02	V8 5.0L, 5.7L
500390	CHRYSLER, DODGE, PLYMOUTH	1968-95	V6 3.9L, V8 5.2L, 5.6L, 5.9L
500390L	DODGE	1996-06	L4 2.4L, 2.5L, L5 2.7L, L6 5.9L, V10 8.0L 8.3L, V6 3.0L, 3.3L, 3.7L, 3.8L, 3.9L, V8 4.7L (285ci, 287ci), 5.2L, 5.7L, 5.9L, ELECTRIC
500454S	CHEVROLET, EXCALIBUR, GMC	1966-90	V8 6.0L, 6.5L, 6.6L (400ci, 402ci), 7.0L, 7.4L
500454S-TM	CHEVROLET, EXCALIBUR, GMC	1966-90	V8 6.0L, 6.5L, 6.6L (400ci, 402ci), 7.0L, 7.4L

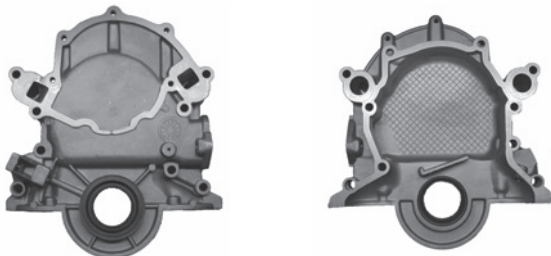
PIONEER NUMBER	MAKE	YEARS	ENGINE
500460	FORD, LINCOLN, MERCURY	1968-97	V8 7.0L, 7.5L
500460D	FORD, LINCOLN, MERCURY	1968-97	V8 7.0L, 7.5L
500LS1	CHEVROLET, PONTIAC	1997-05	V8 5.7L (346ci, 350ci)
500LS2	CADILLAC, CHEVROLET, GMC, HUMMER	2005-09	V6 4.3L, V8 4.8L, 5.3L, 6.0L, 6.2L (376ci, 378ci), 7.0L
502115	HYUNDAI	1993-02	L4 1.5L
502119	HYUNDAI	1996-05	L4 1.5L, 1.6L
502123	HYUNDAI	1986-02	L4 1.5L, 2.4L
502127	HYUNDAI, KIA	1996-06	L4 1.5L, 1.6L
502131	HYUNDAI, KIA	2001-06	V6 3.0L, 3.5L
502135	HYUNDAI	1994-95	L4 2.0L
502139	HYUNDAI	1992-94	L4 1.6L, 1.8L, 2.0L
502143	HYUNDAI	1994-98	L4 2.0L
502147	HYUNDAI, KIA	2001-08	V6 2.7L
502151	HYUNDAI	2001-08	V6 2.7L
502155	KIA	2001-06	L4 2.4L
502159	HYUNDAI, KIA	2002-06	V6 3.5L
502163	HYUNDAI	2007-08	V6 2.7L
502167	KIA	2003-06	V6 3.5L
502171	KIA	2003-06	V6 3.5L
502175	HYUNDAI	1996-06	L4 1.8L, 2.0L
502179	HYUNDAI	1996-06	L4 1.8L, 2.0L
502183	KIA	1995-02	L4 2.0L
502187	KIA	2000-04	L4 1.8L
502191	KIA	1998-04	L4 1.8L
502195	KIA	2001-05	L4 1.5L, 1.6L

Timing Cover Technical Summary

- Pioneer's plastic replacement Timing Covers (part's: 500262, 500262WO, 500350, & 500350WO) fits GM 4.3L, 5.0L & 5.7L applications from 1996-2000. GM stresses by stamping "REPLACE ASSEMBLY UPON REMOVAL CAV14JOH" on every OE Timing Cover that oil leaks will result if not replaced. Pioneer now carries these important Timing Covers with and without sensor hole provisions for your customers needs.
- Pioneer plastic Timing Covers are also shipped with the OE grade gasket sealant applied to the Cover along with the necessary replacement bolts, which are embedded in a rubber jacket for a positive seal against leakage and lastly a front seal that fully meets OE specifications.



- Pioneer now carries 18 Timing Cover part numbers of popular import and domestic, plastic and aluminum applications!



PIONEER Inc
Automotive Products

Aluminum Timing Covers



- Pioneer's aluminum Timing Covers are often replaced because of "weak" or low levels of aluminum safe antifreeze, worn timing chains, or failed tensioners. "Weak" or low antifreeze levels cannot prevent corrosion of dissimilar metals that leads to Timing Cover Failure. Failures include leaking from the inside coming out on Timing Covers that have water passages through them. Old and worn timing chains and tensioners allow slapping or rubbing of the chain that will result in holes or grooves in the aluminum Timing Cover and cause severe water or oil leaks.
- All Pioneer aluminum Timing Covers include the front seal and other hardware required to complete the installation of the Timing Cover.

WARRANTY DISCLAIMER

The products sold in this catalog are sold without any express or implied warranty of merchantability or fitness for a particular purpose. Pioneer disclaims liability for any special, incidental or consequential damages, including, but not limited to, lost profits or revenues, the cost of purchased or replacement goods, damaged or lost property or equipment, or claims by the customer of the purchaser, which may arise and/or result from the sale, installation or use of these products.

The vehicle manufacturer's warranty may be negatively impacted by the installation of these products.

This warranty disclaimer is subject to applicable state law.

.....

ENGINE MODIFICATIONS AND EMISSION WARNING

The removal or modification of any type of factory installed emission system or device, or the use of any products which may increase emissions in vehicles designed for public street or highway use may be prohibited by federal, state and/or local laws. California prohibits the sale or installation of any device not approved by the State Air Resources Board which alters or modifies the original design or performance of emission systems in emission controlled vehicles.

Some of the products listed in this catalog are intended only for vehicles participating in competitive events or on other types of vehicles to which the emission control laws do not apply. On vehicles subject to emission control laws, the installation of these products may be prohibited. Before installing any non-standard replacement product, Pioneer recommends reviewing the applicable emission control laws.

.....

NOTE: *The information listed in this catalog is correct to the best of our knowledge and belief, having been compiled from reliable and official sources of information. However, WE CANNOT ASSUME ANY RESPONSIBILITY FOR POSSIBLE ERROR.*

*Thank you,
Pioneer, Inc.*