



**BLUEPRINT**  
S E R I E S

Weatherly #042  
NCCK31  
March 1, 2005

# *CRANKSHAFTS & CRANK KITS*



IMPORT AND  
DOMESTIC

## Freight Policy

***FREE Delivery is included with all Hi-Tech/NAPA Cranks***  
(No minimum order)

## Blueprint Series Cranks and Crank Kits

*(BP & KBP prefix part numbers)*

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KBP & BP cranks are premium, True Indexed, Blueprint Series crankshafts and include bolt protectors, plastiguage, detailed instructions and superior packaging. Crank kits also include rod and main bearings.

## Value Line Crank Kits

*(KVL prefix part numbers)*

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**BLUEPRINT**  
**S E R I E S**  
THE STANDARD FOR PREMIUM CRANKSHAFTS

## UNDERSTANDING CRANKSHAFTS

The crankshaft transfers the energy from combustion to a rotating motion. All engine horsepower and torque are transferred through this single piece of metal. Under deceleration, the crankshaft is used as a brake, absorbing the vehicle's motion by compressing cylinder gasses. Since crankshaft failure could lead to catastrophic engine failure, it must perform flawlessly. The crankshaft is literally the heart of the engine.

Crankshafts are made from a variety of materials. Most are made from cast nodular iron. Higher load engines require cast ductile material, which is also called cast steel. Performance engines use crankshafts machined from steel billets or forged steel.

Most crankshafts show wear when an engine is torn down for overhaul. The mechanic has three basic choices for a replacement crankshaft.

- A new one can be purchased from the dealer or from aftermarket sources.
- The crankshaft can simply be reground or exchanged for one that is already reground.
- The crankshaft can be restored to the original factory blueprint specifications. (Hi-Tech Blueprint Series Crankshafts fall into this category).

The original factory blueprint specifies dimensions, surface finishes and the shape. These specifications control the strength and durability of the crankshaft. Simply regrinding the crankshaft, versus restoring the crankshaft, will not return it back to its original strength and durability.

Let's look at the key elements of a crankshaft that control its strength and durability:

## JOURNAL SURFACE FINISHING

Our goal is for the journal to withstand maximum load capacity and to maintain sufficient lubricating oil, thus ensuring against failure. When a crankshaft is repaired, worn journal surfaces are ground to a smaller diameter. The journal is once again perfectly round. A bearing with increased thickness is used in place of the stock or standard bearing. After grinding, the journal surface has peaks and valleys from the grinding wheel abrasive tearing away metal. We now must finish the surface by restoring it to the factory blueprint spec or by giving it a quick high-speed polish. The difference between these two finishes is very significant. Here's why:



Bearings- Hi-Tech 78 series material combined with the proven Tri-metal design are the ideal partner for your Blueprint Series crank.

## BURNISHING

Journal burnishing is commonly done by low cost crankshaft suppliers that simply regrind cranks. If the surface is polished at high speed with a fabric backed abrasive belt, the peaks are folded over into the valleys. Working the surface more with the belt moves the metal slightly to fill in hairline imperfections. This process is called burnishing. Above, we said the surface after grinding has peaks, which are folded by the polishing belt into the valleys. All metals have a grain structure, which is similar to the grain in a piece of wood. When metal is bent, it wants to return to its original shape. This is called its memory. Under heavy engine load the crankshaft journal is heated. Then the memory in the metal causes the peaks to again rise up. We now have surface roughness that will tear up the bearing material. A pre-mature crankshaft bearing failure is now in the making.

## MICRO-POLISHING

Restoring a crankshaft to its original spec requires creating a smooth, non-burnished surface finish. A fine abrasive belt removes the peaks from the reground journal. The belt must have a fine, but sharp, abrasive to cut away the peaks, without rolling them over. The speed at which the abrasive medium finishes the journal must be controlled so that burnishing does not occur. This surface will provide a long life of service without bearing failure.

One final note on journal surface finish is the measurement of roughness. This is measured in RA, or roughness average. Typical aftermarket remanufactured cranks have RA's of 15 to 22. Hi-Tech's blueprint series cranks feature a much smoother micro-polished surface finish of 4 to 6 RA.

## JOURNAL RADIUS

Where the body of the crankshaft and the journal meet is a curved surface known as the radius. The radius contributes to the strength of the crankshaft. If this joining of the journal and crank body were a sharp angle instead of a carefully curved surface it would break when flexed. By scribing a piece of glass, it will break where the sharp angle is scribed by gently flexing. A crankshaft likewise will break if the radius is reduced or removed. Engineers create a radius design on the factory crankshaft blueprint. The crank is commonly engineered to resist breakage, even when subjected to twice the twisting force or torque of the engines design output. Crankshafts that are restored to the factory print use a grinding wheel with a curved edge to recreate the shape of radius on the blueprint. Dressing the wheel creates the wheels curvature. Dressing involves a diamond point cutter, traveling in a curve against the grinding wheel outside edge, to create the exact shape of the radius. This process restores the original radius and strength to the crankshaft.

Low cost crankshaft re-grinders typically dress the wheel to a single radius design for all cranks. This saves time and money but does not restore the radius to the design that creates maximum strength. If the re-grinder does not redress the edge of the wheel often, the radius simply reduces and the cranks are prone to breakage in the engine.

## JOURNAL REPAIR AND INDEX

The relationship between the center of the crankshaft and the physical placement of the connecting rod journals is known as the index of the crankshaft. The centerline of the crankshaft has large diameter journals called main journals. By looking at the crank from the end, you can see several smaller connecting rod journals extending outward from the centerline with specific spacing or degrees of rotation between them. The placement of the rod journal determines the timing of the piston arriving at the top of the piston's stroke (top dead center). Moving the rod journal a couple of crankshaft degrees (changing its index) in relation to the main body of the crank will change the mechanical timing of piston travel.

Simply stated, the index controls when the pistons will get to the top of the stroke. This is the mechanical timing of the engine and is absolutely fixed when the rod journal is ground. Virtually all of the high volume crankshaft re-grinders offset grind the rod journals and change the crankshaft's index or stroke. The crankshaft now has its mechanical timing changed and the engine will not operate at optimum performance.

Why do re-grinders change the journals' offset? Quite simply, it is the fastest, cheapest and easiest way to return a worn journal to round. If the wear area on the journal is 0.020" deep, grinding the diameter down 0.020" in size could restore the entire journal. This requires a lot of time and grinding but it would again be back to round. The commonly selected alternative is to center between the worn area and the opposite side of the journal. Now only 0.010" needs to be ground from the outside dimension and the crank is once again round. By doing this we have changed the physical center of the journal by 0.010". Depending on which direction the center moved we have changed the index of the crankshaft or have increased or decreased the stroke. The motor will never run the same. This one cylinder will be mechanically out of time or will have too much or too little compression.

Can the index be returned to the original factory blueprint spec? The answer is yes. By adding metal to the worn area, the original centerline can be maintained. In the past this was done by welding the journal and grinding. The result was unsatisfactory. High voltage and amperage welders heated the surface unevenly and cracks developed as the area cooled. Stress cracks from journal overheating developed in the radius. These cranks were susceptible to breakage under high load conditions in an engine. Even worse, during the weld process, moisture and oxygen created voids and pitting of the surface.

The next generation process offered improvement. A black flux material is poured onto the weld area to slow cooling and reduce checkering or cracking. The high voltage and amperage still resulted in radius cracking and the failure rate was abnormally high.

Finally, a process now used to harden camshaft lobes for race engine such as NASCAR Nextel Cup Cars, was perfected for crankshafts. A blend of three inert gasses forms a cloud around the weld area. All moisture and oxygen are displaced. Then a weld material, designed for low voltage/amperage use, is applied to the shaft. There is no cracking, checkering, pitting or stress cracking due to overheating the journal. Plus, the crank can maintain an original index and stroke. Any journal repair performed on Hi-Tech Blueprint series crankshafts is done using this method.

## STRESS RELIEVING

As metal flexes, stress risers can form in the grain structure, the metal fatigues and breaks. Flex a paper clip back and forth and it soon loses its stiffness and breaks into two pieces. These stresses can be relieved from metals by annealing using heat or shot peening or both. Hi-Tech's Blueprint Series cranks are first heated until stress risers are reduced and then shot peened in 4-minute cycles. The result is a stronger shaft that also retains straightness.

## BUSHINGS

Many crank grinders leave the bushings (that are required for transmission installation) out of the back of each crank. This allows them to use one part number to cover several applications. The problem created for the installer is that the crank cannot be installed without these bushings. Imagine being almost done with the job and realizing that you have to order bushings before you can finish. Hi-Tech prevents this problem by including and installing the required bushings in each crank.



The crankshaft on the right shows the bushing that Hi-Tech includes



Each crank is foamed-in-place inside a heavy duty corrugated box. This protects the precision machined surfaces during transit.

## PROTECTION

After paying attention to all the other details, the crank deserves protection. Blueprint Series cranks receive a rust inhibitor spray coating. Then each is carefully placed in a heavy reinforced corrugated carton and encapsulated with expanding foam for protection.

## DIMENSIONS

The factory print contains many other critical dimensions. Blueprint series cranks follow these with closer tolerances than observed by re-grinders. The following tolerances are just a few of the critical dimensions that are maintained:

## Hi-Tech Blueprint Series Restored Crankshaft

### Cleaning

Each unit is thermal-baked and shot blasted in Goff equipment. Oil holes are cleaned with pneumatic brushes. In addition, after machining and polishing the cranks are power washed and the oil holes are cleaned again.

### Journal Surface Finish

Micro-polished to 4 to 6 RA. Smooth finish promotes longevity.

### Runout

Total main bearing runout is measured at 0.0000" to a maximum of 0.0005" ensuring factory blueprint straightness of the crank.

### Radius

The Radii on every journal, **which controls the strength of the crankshaft**, is ground to the O.E. blueprint spec.

### Chamfered

Each hole is hand deburred.

### Dimensional

The size and out of round spec is controlled to 0.0005" while taper is held to within 0.0002" per inch of journal width.

### Indexed

Each crank is True-Indexed to the factory Blueprint spec with a maximum deviation of 0.005" rotation from the journal centerline.

### Gas Shielding

Any cast core repair is done exclusively with a low voltage, low amperage, inert gas shielded welding process. The process completely displaces any moisture and oxygen. Normal heating of the journal during welding is greatly reduced with the low volt amp process. The result is the elimination of surface cracks, porosity, and breakage of journals due to weld heating.

### Stress Relieved

All cranks are stress-relieved at 550 degrees Fahrenheit until stable and shot peened in a 4-minute cycle.

### Protected

After manufacture, Hi-Tech' Blueprint Series crankshafts receive a rust inhibitor and are foamed in place inside a heavy corrugated carton.

### Stroke

The half-stroke distance between the center of the main journal and center of the rod journal matches original factory blueprint spec.

## Typical Aftermarket Reground Crank

### Cleaning

Most are chemically cleaned. Caked grease commonly remains in the balance holes. Not all blind holes have the oil plugs removed and replaced. Both of the above promote the release of contaminants which ultimately destroy the bearing inserts.

### Journal Surface Finish

Much rougher. Finish is typically between 15 and 22 RA.

### Runout

Total main bearing runout is influenced by the grinders' failure to control journal roundness within 0.0005". Runout is often in excess of 0.0008".

### Radius

Seldom are the radii controlled. Most are significantly under size and with steps that greatly weaken the crankshaft.

### Chamfered

Razor edge left on oil holes.

### Dimensional

Sizes range 0.0013" (-0.0005" to +0.0008"). Taper is often beyond 0.0005" on the wider journals.

### Indexed

Grinders are trained to "read" each journal and adjust the stroke and angle to maximize journal "clean-up". While this practice enables a greater percentage of available cores to be utilized, it also leads to engines where the piston does not come to the top of the cylinder at the correct time under operating conditions. **The result is a reduction in power, reliability and efficiency.**

### Gas Shielding

Welded journals are readily identified by their "spider web" cracking and pits. This is the result of submerged arc welding on nodular iron. 95% of automotive crankshafts are made from nodular iron.

### Stress Relieved

There is no sign of any activity to relieve stresses in the "worked" crankshafts.

### Protected

Nearly all crankshafts are protected with some form of rust inhibitor. Crankshafts are prone to damage bearing kits because there is nothing to restrict their movement.

### Stroke

Journals are ground to maximize clean-up without regard for the effect on balance, compression ratio or interference between valves and pistons.

Help all your NAPA store customers build longer lasting and better performing engines by recommending Hi-Tech Blueprint Series crankshafts.



Order Entry & Tech Support  
Now Available Six Days a Week

**800-655-3951**



# CRANKSHAFTS & CRANK KITS

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## *Order Entry & Tech Support*

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## Warranty

### Hi-Tech Blueprint Series Crankshaft & Crankshaft Kits (HTC)

Hi-Tech Blueprint Series Crankshafts & Crankshaft Kits are warranted against defects in workmanship and materials for a period of ONE YEAR, when used under normal operating conditions. Sufficient description of the involved warranty problem will be required on Hi-Tech Engine Components' Warranty Inspection Request Form. Hi-Tech Customer Service must be contacted for Alleged Defective Returned Goods Authorization. Hi-Tech Customer Service: 1-(800)-655-3951.

In the unlikely event of product failure, the manufacturer's obligation is limited to replacement of the product only. Labor costs for removal and reinstallation are not included. In the event of a return, the original purchase receipt must accompany the product.

The manufacturer is not responsible for any damages resulting directly or indirectly from the use of this product.

Warranty only applies to the vehicle where the product was originally installed, and is not transferable to another owner or vehicle.

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# Blueprint Series Crankshafts

## Domestic/Import



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>ACURA (Also see Honda)</b>					
<b>1.6L/97/1590CC L4 75MM (2.953") D16A1 DOHC (HONDA ENGINE)</b>					
Reman.	1987-86	w/6 bolt flange & .865" neck dia.; Integra		BP8013	KBP8013
Reman.	1989-88	w/6 bolt flange & .944" neck dia.; Integra		BP8014	KBP8014
Reman.	1989-88	D16A1; w/8 bolt flange & 1.102" neck dia.; Integra		BP8015	KBP8015
<b>1.7L/102/1678CC L4 81MM (3.189") B17A1 DOHC (HONDA ENGINE)</b>					
Reman.	1993-92	VTEC; Integra GS-R		BP8016	KBP8016
<b>1.8L/1797CC L4 81MM B18C1, B18C5 DOHC (HONDA ENGINE) VTEC</b>					
Reman.	2000-94	B18C1; VTEC; Integra GS-R		BP8017	KBP8017
<b>1.8L/112/1834CC L4 81MM (3.189") B18A1, B18B1 DOHC (HONDA ENGINE)</b>					
Reman.	2000-90	B18A1, B18B1; Exc. VTEC & GS-R		BP8018	KBP8018
<b>2.2L/2156CC L4 85MM (3.346") F22B1 SOHC (HONDA ENGINE)</b>					
Reman.	1997-97	F22B1; w/16mm bolt hole in neck; CL		BP8019	KBP8019
Reman.	1997-97	F22B1; w/14mm bolt hole in neck; CL		BP8008	KBP8008
<b>2.5L/2494CC V6 84MM (3.307") C25A1 SOHC</b>					
Reman.	1987-86	Legend		BP8021	KBP8021
<b>2.5L/150/2451CC L5 85MM (3.346") G25A, G25A1, G25A4 OHC</b>					
Reman.	1994-92	G25A1; Vigor		BP8020	KBP8020
<b>2.7L/163/2675CC V6 87MM (3.425") C27A1 SOHC (HONDA ENGINE)</b>					
Reman.	1990-87	C27A1; Legend		BP8021	KBP8021
<b>3.2L/3165CC V6 90MM (3.680") 6VD1 SOHC (ISUZU ENGINE)</b>					
Reman.	1997-96	6VD1; SLX		BP5811	KBP5811
<b>3.2L/196/3206CC V6 90MM (3.543") C32A1, C32A6, C32B1 SOHC (HONDA ENGINE)</b>					
Reman.	1995-91	Legend		BP8022	
Reman.	1998-96	TL		BP8022	
<b>AMERICAN MOTORS (Also see Chrysler, Eagle, Jeep &amp; Renault)</b>					
<b>1.4L/85/1397CC L4 76MM (2.992") OHV (RENAULT ENGINE)</b>					
Reman.	1987-83	Alliance, Encore	Forging #267	BP6077	KBP6077
<b>2.0L/121/1984CC L4 86.5MM (3.406") SOHC (AUDI ENGINE)</b>					
Reman.	1979-77			BP6062	KBP6062
<b>2.5L/150 L4 98.4MM (3.875") OHV (AMC ENGINE) (INCLUDES 2.46L)</b>					
Reman.	1988-83	w/10mm bolt flange	Forging #3239611, 3239811	BP6068	KBP6068
Reman.	1988-87	w/11mm bolt flange & 2" snout	Forging #33002904	BP6076	KBP6076
<b>2.5L/151 L4 101.6MM (4.000") OHV (PONTIAC ENGINE)</b>					
Reman.	1983-80	Auto trans.	Forging #684, 777	BP4046	KBP4046
Reman.	1983-80	Man. trans.	Forging #684, 777	BP4069	KBP4069
<b>3.8L/232 L6 95.25MM (3.750") OHV (AMC ENGINE)</b>					
Reman.	1971-64	w/flat flange	Forging #3172218, 3188947, 3204904	BP6064	KBP6064
Reman.	1979-72	w/centering ring	Forging #3214722	BP6063	KBP6063
<b>4.2L/258 L6 95.25MM (3.750") OHV (AMC ENGINE)</b>					
Reman.	1972-71	w/flat flange	Forging #3199738C, RD67703	BP6067	KBP6067
Reman.	1980-72	w/centering ring	Forging #3214723	BP6066	KBP6066
Reman.	1988-81	w/o serpentine belt w/2-1/2" snout	Forging #3235477, 3214723	BP6065	KBP6065
Reman.	1988-87	w/serpentine belt w/2" snout	Forging #727, 3727	BP6074	KBP6074
<b>5.0L/304 V8 (3.750") OHV (AMC ENGINE)</b>					
Reman.	1971-70	w/flat flange	Forging #RD51261, 3195292, 4487237	BP6070	KBP6070
Reman.	1979-72	w/centering ring	Forging #3213754, 3214724	BP6069	KBP6069
<b>5.9L/360 V8 103.6MM (4.080") OHV (AMC ENGINE)</b>					
Reman.	1971-70	w/flat flange	Forging #RD51261, 3195292, 4487237	BP6070	KBP6070
Reman.	1978-72	w/centering ring	Forging #3213754, 3214724	BP6069	KBP6069
<b>6.6L/401 V8 (4.165") OHV (AMC ENGINE)</b>					
Reman.	1976-72	w/centering ring	Forging #3213752, 3214725, 3220411	BP6071	KBP6071
<b>AUDI</b>					
<b>1.5L/1471CC L4 76.5MM (3.012") SOHC (VW ENGINE)</b>					
Reman.	1974-73	w/3.228" rear seal dia.		BP7506	KBP7506
<b>1.6L/97/1588CC L4 79.5MM (3.130") YG, YH, YK SOHC (VW ENGINE) (GAS)</b>					
Reman.	1980-75	w/3.345" rear seal dia.		BP7507	KBP7507
<b>1.7L/103/1715CC L4 79.5MM (3.130") WT SOHC (VW ENGINE)</b>					
Reman.	1983-81	w/0.865" Snout dia.; w/1.810" Rod journal dia.		BP7509	KBP7509

# Blueprint Series Crankshafts

## Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>CHRYSLER CAR (Includes Chrysler, Dodge &amp; Plymouth)</b>					
<b>1.4L/86/1410CC L4 74MM (2.913") G12B SOHC (MITSUBISHI ENGINE) J ENGINE</b>					
Reman.	1984-79	G12B; w/1.030" OD hole in flywheel end of crankshaft	Forging #G1	BP6501	KBP6501A
<b>1.5L/89.6/1468CC L4 75.5MM (2.9724") 4G15, G15B SOHC (MITSUBISHI ENGINE) Q ENGINE</b>					
Reman.	1988-85	To 1/1/89; w/Auto trans.; w/.850" rod brg. width	Forging #G1	BP6514	KBP6514A
Reman.	1988-85	To 1/1/89; w/Man. trans.; w/.850" rod brg. width	Forging #G1	BP6501	KBP6501B
Reman.	1994-89	From 1/1/89; w/.787" rod brg. width	Forging #G1	BP6519	KBP6519
<b>1.6L/97.3/1595CC L4 82.3MM (3.240") 4G31, 4G61 DOHC (MITSUBISHI ENGINE) (TURBO AS NOTED)</b>					
Reman.	1990-89	VIN Y; Z4G61		BP6523	KBP6523A
<b>1.6L/97.5/1597CC L4 76.9MM (3.028") 4G32, G32B SOHC (MITSUBISHI ENGINE) (TURBO AS NOTED)</b>					
Reman.	1976-76	VIN K; Man. trans.; w/oil slinger	Forging #31	BP6505	KBP6505
Reman.	1978-76	VIN Z; Man. trans.; RWD	Forging #31	BP6507	KBP6507
Reman.	1978-76	VIN Z; Auto trans.; RWD	Forging #31	BP6504	KBP6504
Reman.	1985-79	VIN K; Auto trans.; FWD	Forging #31	BP6503	KBP6503
Reman.	1980-79	VIN Z; Man. trans.; RWD	Forging #31	BP6502	KBP6502
Reman.	1980-79	VIN Z; Auto trans.; RWD	Forging #31	BP6506	KBP6506
Reman.	1976-76	VIN K; Auto trans.; w/o oil slinger	Forging #31	BP6507	KBP6507
Reman.	1976-76	VIN K; Auto trans.; w/oil slinger	Forging #31	BP6504	KBP6504
Reman.	1985-79	VIN K; Man. trans.; FWD	Forging #31	BP6504	KBP6504
Reman.	1979-78	VIN K; Auto trans.; RWD	Forging #31	BP6503	KBP6503
Reman.	1979-78	VIN K; Man. trans.; RWD	Forging #31	BP6504	KBP6504
<b>1.7L/105/1715CC L4 79.5MM (3.130") SOHC (VW ENGINE)</b>					
Reman.	1983-78		Forging #049F	BP7501	KBP7501
<b>1.8L/107/1754CC L4 80.6MM (3.173") 4G37, G37B SOHC (MITSUBISHI ENGINE) P ENGINE</b>					
Reman.	1994-89	w/5 bolt flange; Laser, Talon	Forging #31	BP6502	KBP6502
<b>1.8L/112/1835CC L4 81MM (3.189") 4G93 SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1996-92	w/7 bolt flange; Colt, Vista		BP6526	KBP6526
<b>2.0L/122/1996CC L4 87.5MM (3.445") ECB, ECC, ECH SOHC, DOHC (CHRYSLER ENGINE)</b>					
Reman.	2002-96	VIN C, Y; w/8 bolt flange; Avenger, Breeze, Neon, Sebring, Stratus, Talon	Forging #4667755, 4556721	BP3042	KBP3042
Reman.	1995-95	VIN C; w/8 bolt flange; Avenger, Breeze, Neon, Sebring, Stratus, Talon	Forging #4667755	BP3040*	KBP3040*
<b>2.0L/122/1997CC L4 84MM (3.307") G52B SOHC (MITSUBISHI ENGINE) U ENGINE</b>					
Reman.	1982-79		Forging #G52, 52	BP6508	KBP6508
Reman.	1978-76	Auto trans.	Forging #52	BP6509	KBP6509
Reman.	1978-76	Man. trans.	Forging #52	BP6510	KBP6510
<b>2.0L/122/1997CC L4 85MM (3.346") 4G63, 4G63T, G63B SOHC, DOHC (MITSUBISHI ENGINE) (TURBO AS NOTED) A ENGINE</b>					
Reman.	1984-83	w/6 bolt flange; w/1" snout	Forging #7, 77, 78, LC, LU	BP6516	KBP6516
Reman.	1992-84	w/6 bolt flange; w/1-1/2" snout	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
Reman.	1994-92	w/7 bolt flange		BP6518	KBP6518
<b>2.2L/135/2213CC L4 87.5MM (3.445") SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1985-81	w/6 bolt flange; Exc. Turbo	Forging #5214738, 5414990	BP3010	KBP3010
Reman.	1988-86	w/8 bolt flange; w/7/8" snout; Exc. Turbo	Forging #4105227, 5214990	BP3011	KBP3011
Reman.	1994-89	w/1" snout; Exc. 16 valve & Turbo	Forging #4448493	BP3013	KBP3013
<b>2.4L/143.4/2351CC L4 86.5MM (3.406") 4G64 SOHC (MITSUBISHI ENGINE) T ENGINE</b>					
Reman.	1993-92	G64B; w/#3 main thrust 1.145"; Colt Vista	Forging #64	BP6525	KBP6525
Reman.	1994-93	4G64; w/#3 main thrust 1.005"; Colt Vista	Forging #AT1, K	BP6528	KBP6528
<b>2.4L/148/2429CC L4 87.5MM (3.445") EDZ DOHC (CHRYSLER ENGINE)</b>					
Reman.	2002-95	VIN X; Sebring, Breeze, Stratus, Cirrus	Forging #4621916. Crankshaft has notches cut in #2 counterweight for electronic ignition	BP3043	KBP3043
<b>2.5L/152/2497CC V6 83.5MM 6G73 SOHC (MITSUBISHI ENGINE)</b>					
Reman.	2000-95	VIN H, N; 6G73; Avenger, Stratus, Cirrus, Sebring	Forging #09N, 19N, 29, 72, 76, 79, T3A, T3B, T3C, T3F, T3L	BP6515	KBP6515
				<b>Value Line Crank Kit KVL6515</b>	
<b>2.5L/153/2507CC L4 87.5MM (3.445") SOHC (TURBO AS NOTED)</b>					
Reman.	1988-86	w/7/8" snout	Forging #4273232	BP3012	KBP3012
Reman.	1995-89	w/1" snout	Forging #176, 486, 4448486, 4448488	BP3014	KBP3014
				<b>Value Line Crank Kit KVL3014</b>	
<b>2.6L/156/2555CC L4 91.1MM (3.587") G54B SOHC (MITSUBISHI ENGINE) (TURBO AS NOTED) F &amp; "G" ENGINES</b>					
Reman.	1978-78	Auto trans.; w/rear main journals 2.598"	Forging #53	BP6512	KBP6512
Reman.	1978-78	Man. trans.; w/rear main journals 2.598"	Forging #53	BP6513	KBP6513

\* Main bearing locating tang location different in 1996.

# Blueprint Series Crankshafts

**Domestic/Import -Continued**



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>CHRYSLER CAR (Includes Chrysler, Dodge &amp; Plymouth) -Continued</b>					
<b>2.6L/156/2555CC L4 91.1MM (3.587") G54B SOHC (MITSUBISHI ENGINE) (TURBO AS NOTED) F &amp; "G" ENGINES -Continued</b>					
Reman.	1989-79	w/rear main journals 2.362"	Forging #G54	BP6511	KBP6511
				<b>Value Line Crank Kit</b>	<b>KVL6511</b>
<b>2.7L/167 V6 86MM (3.386") DOHC</b>					
Reman.	2002-98	VIN R, U, Concord, Intrepid, Sebring	Forging #J	BP3039	KBP3039
<b>2.8L/170 L6 (3.400") OHV</b>					
Reman.	1967-60	w/1.962" center ring	Forging #2121654, 2263611, 2264478	BP3015	KBP3015
Reman.	1969-67	w/2.157" center ring	Forging #2843933, 2843939	BP3016	KBP3016
<b>3.0L/181/2972CC V6 91.1MM (3.587") 6G72 SOHC, DOHC (MITSUBISHI ENGINE) (TURBO AS NOTED)</b>					
Reman.	1996-87	SOHC	Forging #09N, 19N, 29, 72, 76, 79, T3A, T3B, T3C, T3F, T3L	BP6515	KBP6515
				<b>Value Line Crank Kit</b>	<b>KVL6515</b>
Reman.	1996-91	6G72 Turbo; Steel shaft	Forging #72, E1, P1, TDC	BP6530	KBP6530
<b>3.2L/195 V6 92MM (3.622") SOHC</b>					
Reman.	2001-98	VIN J; SOHC; Concorde, Intrepid		BP3044	KBP3044
<b>3.2L/198 L6 (3.400")</b>					
Reman.	1974-70	w/2.157" center ring	Forging #2951265, 2954265, 2951979	BP3017	KBP3017
<b>3.3L/201/3301CC V6 93MM (3.661") O</b>					
Reman.	1997-90		Forging #3654	BP3024	KBP3024
<b>3.5L/215/3518CC V6 96MM (3.780") SOHC</b>					
Reman.	1997-93		Forging #AON, B, 45	BP3023	KBP3023
<b>3.7L/225 L6 (3.400")</b>					
Reman.	1967-60	Steel shaft; w/1.962" center ring	Forging #21288492, 2205554, 2268613, 2264479	BP3018	KBP3018
Reman.	1978-68	Steel shaft; w/2.157" center ring	Forging #2843935, 2658998, 3769307, 3830099	BP3019	KBP3019
Reman.	1983-79	Cast shaft; w/2.157" center ring; w/11" clutch	Forging #3698966, 7501366	BP3020	KBP3020
Reman.	1983-79	Cast shaft; w/2.157" center ring; w/o 11" clutch	Forging #4095246	BP3021	KBP3021
Reman.	1978-68	Cast shaft; w/2.157" center ring	Forging #3698966, 7501366	BP3020	KBP3020
<b>3.8L/230/3774CC V6 96MM (3.780")</b>					
Reman.	1993-91	VIN L	Forging #4556433, 6433, 4483690	BP3045	KBP3045
<b>4.5L/273 V8 (3.625")</b>					
Reman.	1969-64	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030A
Reman.	1969-64	Cast shaft; w/6 bolt flange	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	BP3031	KBP3031A
<b>5.2L/318 V8 (3.910")</b>					
Reman.	1979-74	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030B
Reman.	1989-76	Cast shaft; w/6 bolt flange; Exc. Police	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	BP3031	KBP3031B
Reman.	1973-62	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030A
<b>5.6L/340 V8 (4.040")</b>					
Reman.	1972-68	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030C
Reman.	1973-72	Cast shaft; w/6 bolt flange	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	BP3031	KBP3031C
<b>5.9L/360 V8 (4.000")</b>					
Reman.	1980-74	Cast shaft	Forging #3418640, 3418995, 4027169	BP3032	KBP3032B
Reman.	1973-71	Cast shaft	Forging #3418640, 3418995, 4027169	BP3032	KBP3032A
<b>5.9L/361 V8 (4.125")</b>					
Reman.	1966-62	Steel shaft; w/8 bolt flange	Forging #1737642, 2206157	BP3037	KBP3037
Reman.	1966-62	Steel shaft; w/6 bolt flange	Forging #2206159	BP3034	KBP3034
<b>6.3L/383 V8 (4.250")</b>					
Reman.	1971-62	Steel shaft; w/Man. trans.; w/6 bolt flange	Forging #2206159	BP3034	KBP3034
Reman.	1971-70	Cast shaft; w/Auto trans.; w/6 bolt flange	Forging #3462923, 3751877, 4027122	BP3033	KBP3033
<b>6.6L/400 V8 (4.342")</b>					
Reman.	1978-72	Steel shaft; w/Man. trans.; w/6 bolt flange	Forging #2206159	BP3034	KBP3034
Reman.	1978-72	Cast shaft; w/Auto trans.; w/6 bolt flange	Forging #3462923, 3751877, 4027122	BP3033	KBP3033

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>CHRYSLER CAR (Includes Chrysler, Dodge &amp; Plymouth) -Continued</b>					
<b>6.8L/413 V8 (4.188")</b>					
Reman.	1965-60	Steel shaft; w/8 bolt flange	Forging #1851436, 1851527, 2463548	BP3036	KBP3036A
Reman.	1965-60	Steel shaft; w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035A
<b>7.0L/426 V8 (4.250")</b>					
Reman.	1971-63	Hemi eng.; Steel shaft; w/8 bolt flange	Forging #1851436, 1851527, 2463548	BP3036	KBP3036C
Reman.	1971-63	Hemi eng.; Steel shaft; w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035B
Reman.	1971-63	Exc. Hemi eng.; Steel shaft; w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035A
Reman.	1971-63	Exc. Hemi eng.; Steel shaft; w/8 bolt flange	Forging #1851436, 1851527, 2463548	BP3036	KBP3036A
<b>7.2L/440 V8 (4.320")</b>					
Reman.	1972-66	Steel shaft; w/6 bolt flange; Mains w/o 3.624" flange OD	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035C
Reman.	1978-74	Cast shaft; w/6 bolt flange; Mains w/o 3.624" flange OD	Forging #3698641, 3751888, 4027175	BP3038	KBP3038A
Reman.	1973-73	Cast shaft; w/6 bolt flange; Mains w/3.624" flange OD	Forging #3698641, 3751888, 4027175	BP3038	KBP3038B
Reman.	1972-66	Steel shaft; w/6 bolt flange; Mains w/3.624" flange OD	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035A
<b>DODGE TRUCK (Includes Chrysler, Dodge &amp; Plymouth)</b>					
<b>2.0L/122/1995CC L4 84MM (3.307") 4G52, G52B SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1982-79		Forging #G52, 52	BP6508	KBP6508
<b>2.0L/122/1997CC L4 85MM (3.346") G63B SOHC (MITSUBISHI ENGINE) A ENGINE</b>					
Reman.	1984-83	G63B; w/6 bolt flange; w/1" snout	Forging #7, 77, 78, LC, LU	BP6516	KBP6516
Reman.	1989-84	4G63, G63B; w/6 bolt flange; w/1-1/2" snout	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
<b>2.2L/135/2212CC L4 87.5MM (3.445") SOHC</b>					
Reman.	1985-82	w/6 bolt flange; Exc. Dakota w/Man. trans.	Forging #5214738, 5414990	BP3010	KBP3010
Reman.	1988-86	w/8 bolt flange; w/7/8" snout; Exc. Dakota	Forging #4105227, 5214990	BP3011	KBP3011
Reman.	1990-89	w/1" snout; Exc. 16 valve & Turbo	Forging #4448493	BP3013	KBP3013
<b>2.4L/143/2351CC L4 86.5MM (3.406") G64B SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1993-90	w/#3 main thrust 1.145"; Ram 50	Forging #64	BP6525	KBP6525
<b>2.4L/148/2429CC L4 87.5MM DOHC</b>					
Reman.	2002-96	VIN B; Caravan, Voyager	Forging #4621916. Crankshaft has notches cut in #2 counterweight for electronic ignition	BP3043	KBP3043
<b>2.5L/150 L4 (3.875") OHV (AMC ENGINE)</b>					
Reman.	2002-96	VIN P; Dakota	Forging #904, 8933002904	BP6075	KBP6075
<b>2.5L/153/2507CC L4 87.5MM (3.445") SOHC (TURBO AS NOTED)</b>					
Reman.	1988-86	w/7/8" snout	Forging #4273232	BP3012	KBP3012
Reman.	1995-89	w/1" snout	Forging #176, 486, 4448486, 4448488	BP3014	KBP3014
				<b>Value Line Crank Kit KVL3014</b>	
<b>2.6L/156/2555CC L4 91.1MM (3.587") G54B SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1978-78	Auto trans.; w/rear main journals 2.598"	Forging #53	BP6512	KBP6512
Reman.	1978-78	Man. trans.; w/rear main journals 2.598"	Forging #53	BP6513	KBP6513
Reman.	1989-79	w/rear main journals 2.362"	Forging #G54	BP6511	KBP6511
				<b>Value Line Crank Kit KVL6511</b>	
<b>2.8L/170 L6 (3.400")</b>					
Reman.	1967-61	w/1.962" center ring	Forging #2121654, 2263611, 2264478	BP3015	KBP3015
Reman.	1970-67	w/2.157" center ring	Forging #2843933, 2843939	BP3016	KBP3016
<b>3.0L/181/2972CC V6 91.1MM (3.587") 6G72 SOHC (MITSUBISHI ENGINE)</b>					
Reman.	2000-87		Forging #09N, 19N, 29, 72, 76, 79, T3A, T3B, T3C, T3F, T3L	BP6515	KBP6515
				<b>Value Line Crank Kit KVL6515</b>	
<b>3.2L/198 L6 (3.400")</b>					
Reman.	1973-70	w/2.157" center ring	Forging #2951265, 2954265, 2951979	BP3017	KBP3017
<b>3.3L/201/3301CC V6 93MM (3.661") OHV</b>					
Reman.	2001-90		Forging #3654	BP3024	KBP3024
<b>3.7L/225 L6 (3.400")</b>					
Reman.	1967-60	Steel shaft; w/1.962" center ring	Forging #21288492, 2205554, 2268613, 2264479	BP3018	KBP3018
Reman.	1978-68	Steel shaft; w/2.157" center ring	Forging #2843935, 2658998, 3769307, 3830099	BP3019	KBP3019
Reman.	1978-68	Cast shaft; w/2.157" center ring	Forging #3698966, 7501366	BP3020	KBP3020

# Blueprint Series Crankshafts

**Domestic/Import -Continued**



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>DODGE TRUCK (Includes Chrysler, Dodge &amp; Plymouth) -Continued</b>					
<b>3.7L/225 L6 (3.400") -Continued</b>					
Reman.	1987-79	Cast shaft; w/2.157" center ring; w/o 11" clutch	Forging #4095246	BP3021	KBP3021
Reman.	1985-79	Cast shaft; w/2.157" center ring; w/11" clutch	Forging #3698966, 7501366	BP3020	KBP3020
<b>3.8L/230/3774CC V6 96MM (3.777") OHV</b>					
Reman.	2001-94	VIN L	Forging #4556433, 6433, 4483690	BP3045	KBP3045
<b>3.9L/239 V6 (3.910") OHV</b>					
Reman.	2001-86	VIN M, X	Forging #4323769	BP3022	KBP3022
<b>4.5L/273 V8 (3.625")</b>					
Reman.	1968-64	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030A
Reman.	1968-64	Cast shaft; w/6 bolt flange	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	BP3031	KBP3031A
<b>4.7L/287 V8 93MM (3.661")</b>					
Reman.	2003-99	VIN N; Pickup, Durango	Forging #53020683	BP3041	KBP3041
<b>5.2L/318 V8 (3.910")</b>					
Reman.	1979-74	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030B
Reman.	2001-76	Cast shaft; w/6 bolt flange	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	BP3031	KBP3031B
Reman.	1973-62	Steel shaft; w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	BP3030	KBP3030A
<b>5.9L/360 V8 (4.000")</b>					
Reman.	2001-74	Cast shaft	Forging #3418640, 3418995, 4027169	BP3032	KBP3032B
Reman.	1973-71	Cast shaft	Forging #3418640, 3418995, 4027169	BP3032	KBP3032A
<b>5.9L/361 V8 (4.125")</b>					
Reman.	1973-62	Steel shaft; w/8 bolt flange	Forging #1737642, 2206157	BP3037	KBP3037
Reman.	1973-62	Steel shaft; w/6 bolt flange	Forging #2206159	BP3034	KBP3034
<b>6.3L/383 V8 (4.250")</b>					
Reman.	1971-67	Steel shaft; w/Man. trans.; w/6 bolt flange	Forging #2206159	BP3034	KBP3034
Reman.	1971-70	Cast shaft; w/Auto trans.; w/6 bolt flange	Forging #3462923, 3751877, 4027122	BP3033	KBP3033
<b>6.6L/400 V8 (4.342")</b>					
Reman.	1979-72	Steel shaft; w/Man. trans.; w/6 bolt flange	Forging #2206159	BP3034	KBP3034
Reman.	1979-72	Cast shaft; w/Auto trans.; w/6 bolt flange	Forging #3462923, 3751877, 4027122	BP3033	KBP3033
<b>6.8L/413 V8 (4.188")</b>					
Reman.	1977-74	Steel shaft; w/8 bolt flange	Forging #1851436, 1851527, 2463548	BP3036	KBP3036B
Reman.	1977-74	Steel shaft; w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035C
Reman.	1973-60	Steel shaft; w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035A
Reman.	1973-60	Steel shaft; w/8 bolt flange	Forging #1851436, 1851527, 2463548	BP3036	KBP3036A
<b>7.2L/440 V8 (4.320")</b>					
Reman.	1972-72	Steel shaft; w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	BP3035	KBP3035A
Reman.	1973-73	Cast shaft; w/6 bolt flange; Mains w/3.624" flange OD	Forging #3698641, 3751888, 4027175	BP3038	KBP3038B
Reman.	1980-74	Cast shaft; w/6 bolt flange	Forging #3698641, 3751888, 4027175	BP3038	KBP3038A
<b>8.0L/488 V10 (4.000")</b>					
Reman.	2000-92	VIN W; Truck	Forging #53006840	BP3046	KBP3046
<b>EAGLE (Also see American Motors, Chrysler, Jeep &amp; Renault)</b>					
<b>1.5L/90/1468CC L4 75.5MM (2.972") 4G15, G15B SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1996-89	4G15; w/rod journal width of .787"	Forging #G1	BP6519	KBP6519
<b>1.6L/98/1595CC L4 82.3MM (3.240") 4G61 DOHC (MITSUBISHI ENGINE)</b>					
Reman.	1990-89	VIN Y, Z; DOHC; 4G61		BP6523	KBP6523A
<b>1.8L/107/1755CC L4 80.65MM (3.173") 4G37 SOHC (MITSUBISHI ENGINE) 8 VALVE</b>					
Reman.	1994-93	4G37; w/5 bolt flange; Talon	Forging #31	BP6502	KBP6502
<b>1.8L/112/1834CC L4 81MM (3.189") 4G93 SOHC (MITSUBISHI ENGINE) 16 VALVE</b>					
Reman.	1996-92	4G93; w/7 bolt flange		BP6526	KBP6526
<b>2.0L/122/1996CC L4 87.5MM (3.445") A588 DOHC (CHRYSLER ENGINE)</b>					
Reman.	1998-96	VIN Y; w/8 bolt flange; Talon	Forging #4667755, 4556721	BP3042	KBP3042
Reman.	1995-95	Main brg. locator tangs differ in later models; Talon	Forging #4667755	BP3040	KBP3040

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>EAGLE (Also see American Motors, Chrysler, Jeep &amp; Renault) -Continued</b>					
<b>2.0L/122/1997CC L4 85MM (3.346") 4G63, 4G63T, G63B DOHC (MITSUBISHI ENGINE) (TURBO AS NOTED)</b>					
Reman.	1992-89	w/6 bolt flange.	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
Reman.	1997-92	w/7 bolt flange; w/#3 main thrust 1.005"; Talon.		BP6518	KBP6518
<b>2.4L/143/2351CC L4 86.5MM (3.406") 4G64, G64B SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1992-92	4G64; w/#3 main thrust 1.145"; Summit Wagon	Forging #64	BP6525	KBP6525
Reman.	1996-93	4G64; w/#3 main thrust 1.005"; Summit Wagon	Forging #AT1, K	BP6528	KBP6528
<b>2.5L/150 L4 98.4MM (3.875") OHV (AMC ENGINE)</b>					
Reman.	1989-88	w/2.060" neck length	Forging #33002904	BP6076	KBP6076
<b>FORD CAR (Includes Ford, Lincoln, Mercury &amp; Merkur)</b>					
<b>1.3L/81/1295CC L4 71MM SOHC (MAZDA ENGINE)</b>					
Reman.	1992-88	VIN K; To 2/1/92; B3; w/.865" snout dia.; Festiva	Forging #301, A301, B301	BP2817	KBP2817
Reman.	1997-92	VIN H; From 2/1/92; w/1.065" snout dia.; Aspire, Festiva	Forging #301, A301, B301	BP2818	KBP2818
<b>1.6L/98/1598CC L4 81MM (3.187") OHV PINTO, CAPRI</b>					
Reman.	1973-71	Pinto, Capri	Forging #711MAD, AE, 2732E, 2737E	BP2052	KBP2052
<b>1.6L/98/1598CC L4 81MM (3.187") OHV FIESTA (GERMAN ENGINE)</b>					
Reman.	1980-78	Fiesta	Forging #711MAC	BP2051	KBP2051
<b>1.6L/98/1598CC L4 79.94MM (3.147") SOHC (TURBO AS NOTED) ESCORT, EXP, LYNX, LN7</b>					
Reman.	1983-81	Before 5/14/83; w/1/4" oil pump drive; Escort, Lynx, EXP, LN7	Forging #E1EE-AB	BP2050	KBP2050
Reman.	1985-83	After 5/14/83; w/1/2" oil pump drive; Escort, Lynx, EXP, LN7	Forging #E4EE-AA	BP2058	KBP2058
<b>1.6L/98/1600CC L4 78MM (3.071") B6 SOHC, DOHC (MAZDA ENGINE) (TURBO AS NOTED) CAPRI, TRACER</b>					
Reman.	1990-87	SOHC; B6; Capri, Tracer	Forging #B616, B630	BP2809	KBP2809
Reman.	1990-88	DOHC; w/.865" snout dia.; Capri	Forging #B616	BP2810	KBP2810
Reman.	1994-91	DOHC; w/1.065" snout; Capri	Forging #B61X, B630, B657	BP2814	KBP2814
<b>1.8L/112/1839CC L4 83MM (3.268") BP-ZE DOHC (MAZDA ENGINE)</b>					
Reman.	1991-91	To 2/1/91; BP; w/.865" snout dia.	Forging #BP, BP01	BP2815	KBP2815
Reman.	1996-91	From 2/1/91; BP; w/1.065" snout dia.	Forging #BP, BP02	BP2816	KBP2816
<b>1.9L/116/1900CC L4 81.94MM (3.226") SOHC</b>					
Reman.	1986-85	w/1.8854" rod journals	Forging #E5EE-BA	BP2059	KBP2059
Reman.	1996-87	w/1.7279" rod journals; w/4 counter weights	Forging #E7EE-BB	BP2061	KBP2061
<b>2.0L/122/1989CC L4 84.8MM (3.340") ZETEC DOHC</b>					
	2000-95	VIN 3; Zetec; Contour, Mystique	Forging #938M-R67, 938M-R68	BP2083	KBP2083
<b>2.0L/122/1989CC L4 84.8MM (3.340") SOHC</b>					
Reman.	2002-97	VIN P; SOHC; Escort, Focus, Tracer	Forging #RFF7CE-AA	BP2085	KBP2085
<b>2.0L/122/1991CC L4 83MM (3.268") FS-DE DOHC (MAZDA ENGINE)</b>					
Reman.	1997-93	FS Probe	Forging #FS, FS07, 15	BP2821	KBP2821
<b>2.0L/122/1993CC L4 90.8MM (3.575") SOHC</b>					
Reman.	1974-71	Pinto, Capri	Forging #70HM-AKA, 72HM-JA, 72HM-AKR	BP2053	KBP2053
<b>2.2L/133/2184CC L4 86MM (3.386") F2 SOHC (MAZDA ENGINE) (TURBO AS NOTED)</b>					
Reman.	1992-89	Probe	Forging #F201	BP2808	KBP2808
<b>2.3L/140 L4 93.5MM (3.681") OHV HSC ENGINE</b>					
Reman.	1985-84	VIN R, X; w/o oil slinger	Forging #E43E-AC	BP2056	KBP2056
Reman.	1994-86	VIN X	Forging #E43E-AC	BP2057	KBP2057
<b>2.3L/140/2302CC L4 96MM (3.780") SOHC (TURBO AS NOTED)</b>					
Reman.	1981-74	w/Oil slinger	Forging #1D, XBRO-1145	BP2055	KBP2055
Reman.	1991-82	1982-85 w/o oil slinger; 1989-91 w/2.3982" main brg.	Forging #2D, E2ZE-BA	BP2054	KBP2054
Reman.	1993-91	w/2.205" main brg.; 1992-1993 w/dual spark plug eng.	Forging #2D, 8F28, E88E-AB, E89E-AB	BP2062	KBP2062
<b>2.4L/144 L6 (3.500")</b>					
Reman.	1964-60	w/2-1/2" wide center counterbalance		BP2063	KBP2063
<b>2.5L/152/2497CC V6 84.5MM (3.330") KL DOHC (MAZDA ENGINE)</b>					
Reman.	1997-93	VIN B; KL; Probe	Forging #J2	BP2824	KBP2824
<b>2.5L/153/2507CC L4 93.5MM (3.680") OHV HSC ENGINE</b>					
Reman.	1991-86		Forging #E43E-AA, E63E-AA, E83E-AA	BP2060	KBP2060
<b>2.5L/155/2450CC V6 82.42MM (3.245") DURATEC DOHC</b>					
Reman.	2000-95	VIN L; Duratec; Contour & Mystique	Forging #F53E-6303-AB, 5019934	BP2086	KBP2086
<b>2.6L/159/2606CC V6 90MM (3.543") OHV (GERMAN ENGINE)</b>					
Reman.	1973-72	Capri	Forging #11448510	BP2064	KBP2064
<b>2.8L/170 L6 (3.500") OHV</b>					
Reman.	1972-61	w/3" wide center counterbalance		BP2065	KBP2065

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>FORD CAR (Includes Ford, Lincoln, Mercury &amp; Merkur) -Continued</b>					
<b>2.8L/171/2792CC V6 93MM (3.661") OHV (GERMAN ENGINE)</b>					
Reman.	1979-74	From 5/74; w/Thrust washers	Forging #74TM-AA, 76TM-AA, 78TM-CA, 82TM-HAA	BP2066	KBP2066
Reman.	1974-74	To 4/74; w/o thrust washers	Forging #74TM-AA, 76TM-AA, 78TM-CA, 82TM-HAA	BP2067	KBP2067
<b>2.9L/177/2933CC V6 93MM (3.661") OHV MERKUR</b>					
Reman.	1990-88	To 5/10/90; Half grooved main brg.	Forging #86TM-BA, 88TM-BA	BP2031	KBP2031
<b>3.0L/183 V6 89MM (3.504") DOHC DURATEC-MODULAR</b>					
Reman.	2001-96	VIN S; Duratec	Forging #F53E-6303-AB, 5019934	BP2086	KBP2086
<b>3.0L/183/2982CC V6 89MM SHO DOHC (YAMAHA ENGINE)</b>					
Reman.	1995-89	VIN Y; Taurus SHO eng.		BP2088	KBP2088
<b>3.0L/183/2999CC V6 89MM (3.504") OHV VULCAN</b>					
Reman.	1994-86	VIN U; Taurus, Tempo, Sable, Topaz; Exc. SHO	Forging #E6AE-AE, E6AE-HF, RFE6AE-AH	BP2029	KBP2029
Reman.	2000-95	VIN U; Taurus, Sable; Exc. SHO	Forging #RF-F58E-6303AA	BP2089	KBP2089
<b>3.2L/195/3152CC V6 91.4MM (3.600") SHO DOHC (YAMAHA ENGINE)</b>					
Reman.	1995-93	VIN P; Taurus SHO		BP2088	KBP2088
<b>3.3L/200 L6 (3.680") OHV</b>					
Reman.	1975-65	To 5/75; w/o PEN or PEP Auto trans.	Forging #1G, 1H	BP2070	KBP2070A
Reman.	1983-81	w/PEN or PEP Auto trans.	Forging #3H	BP2069	KBP2069
Reman.	1983-75	From 5/75; w/o PEN or PEP Auto trans.	Forging #1G, 1H	BP2070	KBP2070B
<b>3.6L/221 V8 (3.500") OHV</b>					
Reman.	1963-62		Forging #1M, 1MA, C20Z, C30Z, C3AE-N	BP2037	KBP2037
<b>3.7L/223 L6 (3.625") OHV</b>					
Reman.	1964-61		Forging #C1AE-B, F, C3AE-M	BP2020	KBP2020
<b>3.8L/232/3801CC V6 96.8MM (3.811") OHV (SUPERCHARGED AS NOTED)</b>					
Reman.	1987-83	w/1 pc. rear seal	Forging #E3AE-AA	BP2068	KBP2068
Reman.	1983-82	w/2 pc. rear seal	Forging #1P, E2AE-DB	BP2021	KBP2021
Reman.	1993-88	w/Balance shaft; Exc. Supercharged	Forging #E2AE-AF, E3AE-EE, E8BE-BB, E9DE-BA, E9DE-BB	BP2032	KBP2032
Reman.	1995-89	Steel shaft; Supercharged	Forging #6303, E9TE-BB	BP2033	KBP2033
Reman.	1995-94	Exc. Supercharged	Forging #E9DE-BA, E9DE-BB	BP2034	KBP2034
Reman.	2000-96	Exc. Supercharged	Forging #F68E-BA	BP2035	KBP2035
<b>3.9L/240 L6 (4.000")</b>					
Reman.	1972-65	Cast shaft	Forging #1L, 1LA, 1LAB	BP2022	KBP2022
<b>4.1L/250 L6 (3.680")</b>					
Reman.	1980-69		Forging #2H, 2HA, 2HAB	BP2023	KBP2023
<b>4.2L/255 V8 (3.680")</b>					
Reman.	1982-80		Forging #1J, 1JA, 2J	BP2036	KBP2036
<b>4.3L/260 V8 (3.800")</b>					
Reman.	1965-62		Forging #1M, 1MA, C20Z, C30Z, C3AE-N	BP2037	KBP2037
<b>4.5L/272 V8 (3.625") OHV</b>					
Reman.	1957-55		Forging #EC	BP2038	KBP2038
<b>4.6L/281/4605CC V8 90.2MM (3.551") SOHC, DOHC TRITON</b>					
Reman.	1992-91	VIN W, X; Romeo eng.; w/6 bolt flange w/wide counterweight	Forging #F65E-BB18D	BP2073	KBP2073B
Reman.	1996-96	VIN 6; SOHC; Windsor eng.; w/6 bolt flange; Crown Victoria	Forging #FIAE-AD, RFF1AE6303AD	BP2093	KBP2093
Reman.	1996-96	VIN 6; SOHC; Windsor eng.; w/8 bolt flange; Crown Victoria	Forging #F65E-BB18D	BP2074	KBP2074
Reman.	2002-93	VIN V; DOHC; Steel shaft; 32 valve; w/8 bolt flange; Mustang Cobra	Forging #F8TECE	BP2092	KBP2092
Reman.	2002-96	VIN W, X; Romeo eng.; w/6 bolt flange; w/narrow counterweight	Forging #FIAE-AD, RFF1AE6303AD	BP2093	KBP2093
Reman.	1995-93	VIN W, X; Romeo eng.; w/6 bolt flange w/wide counterweight	Forging #F65E-BB18D	BP2073	KBP2073A
<b>4.7L/289 V8 (4.000") OHV</b>					
Reman.	1968-63		Forging #1M, 1MA, C20Z, C30Z, C3AE-N	BP2037	KBP2037
<b>4.8L/292 V8 (3.750")</b>					
Reman.	1962-55	Cast shaft	Forging #EC	BP2038	KBP2038
Reman.	1962-55	Steel shaft	Forging #C1TE-F	BP2039	KBP2039
<b>5.0L/302 V8 (4.000")</b>					
Reman.	1983-81	w/2 pc. rear seal	Forging #2MAE	BP2040	KBP2040
Reman.	1996-83	w/1 pc. rear seal	Forging #2MAE, E1AE-AA	BP2042	KBP2042
Reman.	1980-68	Exc. 1979-78 Versailles	Forging #2M, 2MA, 2MAB, 2MAD	BP2041	KBP2041
<b>5.8L/351C V8 (4.000") CLEVELAND</b>					
Reman.	1974-70		Forging #4M, 4MA, DOAE-A	BP2043	KBP2043

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>FORD CAR (Includes Ford, Lincoln, Mercury &amp; Merkur) -Continued</b>					
<b>5.8L/351M V8 (4.000") MODIFIED</b>					
Reman.	1979-77		Forging #1K, 1KA, 8M, D7AE-BA	BP2019	KBP2019B
Reman.	1976-75		Forging #1K, 1KA, 8M, D7AE-BA	BP2019	KBP2019A
<b>5.8L/351W V8 (4.000") WINDSOR</b>					
Reman.	1983-77	w/2 pc. rear seal	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	BP2017	KBP2017B
Reman.	1996-83	w/1 pc. rear seal	Forging #3M, 3MA, 7M, 7MA	BP2014	KBP2014
				<b>Value Line Crank Kit</b>	<b>KVL2014</b>
Reman.	1976-69	w/2 pc. rear seal	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	BP2017	KBP2017A
<b>5.8L/352 V8 (4.000")</b>					
Reman.	1966-66	Main bearings w/3.888"-3.948" flange OD	Forging #2T, 2TA, EDD, C0AE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044B
Reman.	1965-64	Main bearings w/3.764"-3.829" flange OD	Forging #2T, 2TA, EDD, C0AE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044A
<b>6.4L/390 V8 (4.050")</b>					
Reman.	1971-61	Exc. Hi-Perf.	Forging #2U, 3U, C1AE-A, C1AE-B, C2AE-2, B, D, C3AE-B, C, E, C4AE-B,C,E	BP2048	KBP2048
<b>6.6L/400 V8 (4.000")</b>					
Reman.	1979-77		Forging #5M, 5MA, 5MAB	BP2018	KBP2018B
Reman.	1976-71		Forging #5M, 5MA, 5MAB	BP2018	KBP2018A
<b>7.0L/428 V8 (4.130")</b>					
Reman.	1970-66	Exc. Super Cobra Jet		C428	
<b>7.0L/429 V8 (4.360")</b>					
Reman.	1973-68	Exc. Boss 820S, 820T	Forging #4U, 4UA, 4UB, 4UAB, C8SE-A, C9AE-A, C9AE-B, 1YAB	BP2011	KBP2011
<b>7.5L/460 V8 (4.360")</b>					
Reman.	1978-72	w/o wtd. spacers; Exc. Police car	Forging #2YA, 2YAB, 2YABC	BP2013	KBP2013
<b>FORD TRUCK (Includes Ford, Lincoln &amp; Mercury)</b>					
<b>1.8L/110/1797CC L4 78MM (3.071") VB SOHC (MAZDA ENGINE)</b>					
Reman.	1978-72	Man. trans.; Courier	Forging #0290, LH	BP2800	KBP2800
<b>2.0L/122 L4 89.3MM (3.516") OHC</b>					
Reman.	1988-83	Aerostar, Ranger	Forging #2D, E2ZE-BA	BP2054	KBP2054
<b>2.0L/122/1970CC L4 80MM (3.150") MA SOHC (MAZDA ENGINE)</b>					
Reman.	1982-79	Man. trans.; Courier	Forging #3975, U975	BP2801	KBP2801
<b>2.3L/140/2302CC L4 96MM (3.780") SOHC</b>					
Reman.	1981-77	w/Oil slinger	Forging #1D, XBRO-1145	BP2055	KBP2055
Reman.	1991-82	w/o Oil slinger, w/2.3982" main brg.	Forging #2D, E2ZE-BA	BP2054	KBP2054
Reman.	1997-91	w/2.205" main brg.; Incl. dual spark plug eng.	Forging #2D, 8F28, E88E-AB, E89E-AB	BP2062	KBP2062
<b>2.4L/144 L6 (3.500")</b>					
Reman.	1964-60	w/2-1/2" wide center counterbalance		BP2063	KBP2063
<b>2.5L/150 L4 (3.7795") SOHC</b>					
Reman.	2000-98	VIN C; SOHC; Ranger	Forging #RFF87E-AC	BP2087	KBP2087
<b>2.8L/170 L6 (3.500")</b>					
Reman.	1972-61	w/3" wide center counterbalance		BP2065	KBP2065
<b>2.8L/171/2792CC V6 93MM (3.661")</b>					
Reman.	1986-83	w/o Thrust washers; Aerostar, Bronco II, Ranger	Forging #74TM-AA, 76TM-AA, 78TM-CA, 82TM-HAA	BP2067	KBP2067
<b>2.9L/177/2934CC V6 93MM (3.661")</b>					
Reman.	1992-90	From 5/10/90; Full grooved main brg.	Forging #86TM-BA, 88TM-BA	BP2030	KBP2030
Reman.	1989-86	To 5/10/90; Half grooved main brg.	Forging #86TM-BA, 88TM-BA	BP2031	KBP2031
<b>3.0L/183/2960CC V6 87MM VG30, VG30E SOHC (NISSAN ENGINE)</b>					
Reman.	1995-93	VIN W; VG30E; Neck w/2 keyways & .985" dia.; Villager	Forging #30P43	BP8517	KBP8517
Reman.	1999-96	VIN W; VG30E; Neck w/2 keyways & 1.262" dia.; Villager		BP8518	KBP8518
<b>3.0L/183/2999CC V6 89MM (3.504") VULCAN OHV</b>					
Reman.	1994-86	VIN U; Aerostar, Ranger	Forging #E6AE-AE, E6AE-HF, RFE6AE-AH	BP2029	KBP2029
Reman.	2000-95	VIN U; Aerostar, Ranger, Windstar	Forging #RF-F58E-6303AA	BP2089	KBP2089
<b>3.3L/200 L6 (3.680")</b>					
Reman.	1974-65	Exc. PEN or PEP Auto trans.	Forging #1G, 1H	BP2070	KBP2070B
<b>3.7L/223 L6 (3.625")</b>					
Reman.	1964-61		Forging #C1AE-B, F, C3AE-M	BP2020	KBP2020
<b>3.8L/232/3801CC V6 96.8MM (3.811") OHV</b>					
Reman.	1983-83	w/1 pc. rear seal	Forging #E3AE-AA	BP2068	KBP2068
Reman.	1983-82	w/2 pc. rear seal	Forging #1P, E2AE-DB	BP2021	KBP2021

# Blueprint Series Crankshafts

**Domestic/Import -Continued**



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>FORD TRUCK (Includes Ford, Lincoln &amp; Mercury) -Continued</b>					
<b>3.8L/232/3801CC V6 96.8MM (3.811") OHV -Continued</b>					
Reman.	1995-94		Forging #E9DE-BA, E9DE-BB	BP2034	KBP2034
Reman.	2000-96		Forging #F68E-BA	BP2035	KBP2035
<b>3.9L/240 L6 (4.000")</b>					
Reman.	1974-65	Cast shaft	Forging #1L, 1LA, 1LAB	BP2022	KBP2022
<b>4.0L/244/3996CC V6 100.4MM (3.953") OHV</b>					
Reman.	1994-90	w/6 bolt flange; w/5/8" keyway	Forging #90TTM6303AB	BP2802	KBP2802
Reman.	1996-95	6 bolt flange; w/1-1/8" long key	Forging #C94HA, 96TM6303AA	BP2803	KBP2803
Reman.	2000-97	VIN X; w/8 bolt flange	Forging #97TM6303AC	BP2091	KBP2091
<b>4.0L/244/4015CC V6 100.4MM (3.953") SOHC</b>					
Reman.	2002-97	VIN E; SOHC; w/8 bolt flange	Forging #X3ZE-BA	BP2090	KBP2090
<b>4.1L/250 L6 (3.680")</b>					
Reman.	1974-69		Forging #2H, 2HA, 2HAB	BP2023	KBP2023
<b>4.2L/255 V8 (3.680")</b>					
Reman.	1982-81		Forging #1J, 1JA, 2J	BP2036	KBP2036
<b>4.2L/256/4196CC V6 (3.812") OHV</b>					
Reman.	2001-97			BP2082	KBP2082
<b>4.3L/262 L6 (3.719")</b>					
Reman.	1964-61	w/3" neck for dbl. crankshaft pulley	Forging #C1TE-H, C2TE, C3TE	BP2024	KBP2024
Reman.	1964-61	w/2-7/16" neck for single crankshaft pulley	Forging #C1TE-A, C4TE-C	BP2025	KBP2025
<b>4.5L/272 V8 (3.625")</b>					
Reman.	1958-56		Forging #EC	BP2038	KBP2038
<b>4.6L/281/4605CC V8 90.2MM (3.600") SOHC</b>					
Reman.	2001-97	VIN 6; w/6 bolt flange	Forging #F65E-BB18D	BP2073	KBP2073A
Reman.	2001-97	VIN 6; SOHC; Windsor eng.; w/8 bolt flange	Forging #F65E-BB18D	BP2074	KBP2074
Reman.	2001-97	VIN W; Romeo eng.; w/6 bolt flange	Forging #F65E-BB18D	BP2073	KBP2073
<b>4.7L/289 V8 (4.000")</b>					
Reman.	1968-65		Forging #1M, 1MA, C20Z, C30Z, C3AE-N	BP2037	KBP2037
<b>4.8L/292 V8 (3.750")</b>					
Reman.	1964-58	Cast shaft	Forging #EC	BP2038	KBP2038
Reman.	1964-58	Steel shaft	Forging #C1TE-F	BP2039	KBP2039
<b>4.9L/300 L6 (4.000")</b>					
Reman.	1981-65	Steel shaft	Forging #C5TE-F, C6TE-G	BP2027	KBP2027
Reman.	1982-65	Cast shaft; w/oil slinger	Forging #1N, 1NA, 1NAB, 1NABC, 2N, 2NA, 2NABC	BP2026	KBP2026
Reman.	1997-82	Cast shaft; w/o oil slinger	Forging #2NABC	BP2028	KBP2028
<b>Value Line Crank Kit KVL2028</b>					
<b>5.0L/302 V8 (4.000")</b>					
Reman.	1983-81	w/2 pc. rear seal	Forging #2MAE	BP2040	KBP2040
Reman.	2001-83	w/1 pc. rear seal	Forging #2MAE, E1AE-AA	BP2042	KBP2042
<b>Value Line Crank Kit KVL2040</b>					
Reman.	1980-68		Forging #2M, 2MA, 2MAB, 2MAD	BP2041	KBP2041
<b>5.4L/330 V8 (3.875")</b>					
Reman.	1978-66	Medium Duty vehicles; w/1-3/8" neck; Mains w/3.888"-3.948" flange OD	Forging #2T, 2TA, EDD, COAE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044B
Reman.	1965-64	Heavy Duty vehicles; w/1-3/4" neck; Mains w/3.764"-3.829" flange OD	Forging #C4TE-A, C6TE-D, C7TE-A, D0TE-A, D2TE-AA	BP2045	KBP2045A
Reman.	1965-64	Medium Duty vehicles; w/1-3/8" neck; Mains w/3.764"-3.829" flange OD	Forging #2T, 2TA, EDD, COAE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044A
Reman.	1978-66	Heavy Duty vehicles; w/1-3/4" neck; Mains w/3.888"-3.948" flange OD	Forging #C4TE-A, C6TE-D, C7TE-A, D0TE-A, D2TE-AA	BP2045	KBP2045B
<b>5.4L/330 V8 TRITON SOHC, DOHC (FORD ENGINE) (GAS, CNG)</b>					
Reman.	2002-97	VIN L; Triton eng. Trucks	Forging #F75E-AE	BP2094	KBP2094
<b>5.8L/351M V8 (4.000") MODIFIED ENGINE</b>					
Reman.	1981-77		Forging #1K, 1KA, 8M, D7AE-BA	BP2019	KBP2019B
<b>5.8L/351W V8 (4.000") WINDSOR ENGINE</b>					
Reman.	1983-77	w/2 pc. rear seal	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	BP2017	KBP2017B
Reman.	1997-83	w/1 pc. rear seal	Forging #3M, 3MA, 7M, 7MA	BP2014	KBP2014
<b>Value Line Crank Kit KVL2014</b>					
Reman.	1976-75	w/2 pc. rear seal	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	BP2017	KBP2017A
<b>5.8L/352 V8 (4.000")</b>					
Reman.	1967-66	Main bearings w/3.888"-3.948" flange OD	Forging #2T, 2TA, EDD, COAE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044B
Reman.	1965-65	Main bearings w/3.764"-3.829" flange OD	Forging #2T, 2TA, EDD, COAE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044A

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# Blueprint Series Crankshafts

## Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>FORD TRUCK (Includes Ford, Lincoln &amp; Mercury) -Continued</b>					
<b>5.9L/359 V8 (4.050")</b>					
Reman.	1978-73	w/1-3/4" neck; Mains w/3.888"-3.948" flange OD	Forging #C4TE-A, C6TE-D, C7TE-A, D0TE-A, D2TE-AA	BP2045	KBP2045B
<b>5.9L/360 V8 (4.050")</b>					
Reman.	1976-68	w/1-3/8" neck; Mains w/3.888"-3.948" flange OD	Forging #2T, 2TA, EDD, C0AE-B, C3AE-A, C4AE-A, C5AE-A	BP2044	KBP2044B
<b>5.9L/361 V8 (4.050")</b>					
Reman.	1965-64	w/1-3/4" neck; Mains w/3.764"-3.829" flange OD	Forging #C4TE-A, C6TE-D, C7TE-A, D0TE-A, D2TE-AA	BP2045	KBP2045A
Reman.	1978-66	w/1-3/4" neck; Mains w/3.888"-3.948" flange OD	Forging #C4TE-A, C6TE-D, C7TE-A, D0TE-A, D2TE-AA	BP2045	KBP2045B
<b>6.1L/370 V8 (4.050")</b>					
Reman.	1987-79	w/Oil slinger	Forging #1VA, 1VAB, H	BP2046	KBP2046
Reman.	1991-88	w/o Oil slinger		BP2084	KBP2084
<b>6.4L/389 V8 (4.050")</b>					
Reman.	1978-73	w/1-3/4" neck	Forging #C4TE-B, C6TE-E, C7TE-B, C7TE-E	BP2047	KBP2047B
<b>6.4L/390 V8 (4.050")</b>					
Reman.	1976-67	Exc. Hi-Perf.	Forging #2U, 3U, C1AE-A, C1AE-B, C2AE-2, B, D, C3AE-B, C, E, C4AE-B, ,C, E	BP2048	KBP2048
<b>6.4L/391 V8 (4.050")</b>					
Reman.	1965-64	w/1-3/4" neck; Mains w/3.764"-3.829" flange OD	Forging #C4TE-B, C6TE-E, C7TE-B, C7TE-E	BP2047	KBP2047A
Reman.	1978-66	w/1-3/4" neck; Mains w/3.888"-3.948" flange OD	Forging #C4TE-B, C6TE-E, C7TE-B, C7TE-E	BP2047	KBP2047B
<b>6.6L/400 V8 (4.000")</b>					
Reman.	1982-77		Forging #5M, 5MA, 5MAB	BP2018	KBP2018B
<b>6.6L/401 V8 (4.125")</b>					
Reman.	1976-61		Forging #C1TE-B, C2TE-A	BP2015	KBP2015
<b>6.8L/415/6751CC V10 90.2MM TRITON SOHC</b>					
Reman.	2002-97	VIN S; Triton eng.; Trucks	Forging #F7UE-AA	BP2095	KBP2095
<b>6.9L/420 V8 (4.000") OHV (NAVISTAR ENGINE) (DIESEL)</b>					
Reman.	1987-83		Forging #1803420C1, 1805420C1	BP2071	KBP2071
<b>7.0L/429 V8 (4.360")</b>					
Reman.	1998-79	w/o Oil slinger	Forging #D9TE-AA, BA, EA	BP2010	KBP2010
<b>7.3L/445 V8 (4.111") OHV (NAVISTAR ENGINE) (TURBO AS NOTED) INCL. IDI &amp; DI (DIESEL)</b>					
Reman.	1994-88		Forging #1803420C1, 1805420C1	BP2071	KBP2071
Reman.	2000-94	VIN F; DI Powerstroke Diesel	Forging #1818200C2	BP2096	KBP2096
<b>7.5L/460 V8 (4.360")</b>					
Reman.	1978-73	VIN A,J	Forging #2YA, 2YAB, 2YABC	BP2013	KBP2013
Reman.	1983-79	w/wtd. spacers, w/oil slinger	Forging #3Y, 3YA, 3YB	BP2012	KBP2012
Reman.	1997-84	w/wtd. spacers, w/o oil slinger	Forging #3Y, 3YA, 3YB	BP2072	KBP2072
<b>7.8L/475 V8 (4.500")</b>					
Reman.	1979-73		Forging #C1TE-B, C2TE-A	BP2015	KBP2015
<b>7.8L/477 V8 (4.500")</b>					
Reman.	1981-61		Forging #C1TE-B, C2TE-A	BP2015	KBP2015
<b>8.8L/534 V8 (4.500")</b>					
Reman.	1981-61		Forging #C1TE-C, C2TE-B	BP2016	KBP2016
<b>GEO (Also see GM Car &amp; Truck)</b>					
<b>1.0L/61/993CC L3 74MM (2.910") SOHC (SUZUKI ENGINE)</b>					
Reman.	1997-89		Forging #K	BP1801	KBP1801
<b>1.3L/79/1298CC L4 74MM (2.913") G13 SOHC (SUZUKI ENGINE)</b>					
Reman.	1997-95	G13BB, G13BA; 5 bolt flange		BP1804	KBP1804
<b>1.5L/90/1471CC L4 77MM (3.030") SOHC (ISUZU ENGINE)</b>					
Reman.	1989-87	w/8 bolt flange; Spectrum	Forging #4XC-U, 4XC1-U, 4XC-UT	BP5808	KBP5808
Reman.	1987-85	w/6 bolt flange; Spectrum	Forging #KN8, KN10, 4127, 5330	BP5807	KBP5807
<b>1.6L/97/1588CC L4 80MM (3.150") 4XE1, 4XE1V SOHC, DOHC (ISUZU ENGINE)</b>					
Reman.	1993-90	4XE1; w/2.044 mains; Storm		BP5817	KBP5817
<b>1.6L/97/1590CC L4 75MM (2.953") G16K, G16KV, G16V SOHC (SUZUKI ENGINE)</b>					
Reman.	1997-89	G16; w/1.731" rod brgs.; Geo Tracker	Forging #LN917, 216	BP1802	KBP1802
<b>1.6L/98/1587CC L4 81MM (3.189") 4AGE, 4AFE DOHC (TOYOTA ENGINE)</b>					
Reman.	1992-90	VIN 5; w/8 bolt flange; w/1.653" rod brgs; Prism		BP7030	KBP7030
Reman.	1997-89	VIN 6; w/8 bolt flange; w/1.574" rod brgs; Prism		BP7029	KBP7029
Reman.	1997-89	VIN 6; w/6 bolt flange; w/1.574" rod brgs.; Prizm	Forging #1A, 3A, 5A	BP7024	KBP7024
<b>1.8L/107/1762CC L4 81MM (3.189") 7AFE DOHC (TOYOTA ENGINE)</b>					
Reman.	1997-93	7AFE; Prism		BP7041	KBP7041

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GEO (Also see GM Car &amp; Truck) -Continued</b>					
<b>1.8L/110/1809CC L4 80MM (3.150") DOHC (ISUZU ENGINE)</b>					
Reman.	1993-92	4XF1; Storm		BP5814	KBP5814
<b>GM CAR (Incl. Buick, Cadillac, Chevrolet, Oldsmobile &amp; Pontiac)</b>					
<b>1.0L/61/993CC L3 74MM (2.913") G10, G10T SOHC (SUZUKI ENGINE) (TURBO AS NOTED)</b>					
Reman.	2001-85		Forging #K	BP1801	KBP1801
<b>1.3L/79/1298CC L4 74MM (2.913") G13 SOHC (SUZUKI ENGINE)</b>					
Reman.	2001-95	G13BB, G13BA; w/5 bolt flange		BP1804	KBP1804
<b>1.4L/85/1393CC L4 82MM (3.228") SOHC (CHEVROLET ENGINE)</b>					
Reman.	1977-76	Chevette	Forging #9166N	BP1020	KBP1020
<b>1.5L/92/1471CC L4 77MM (3.031") 4XC1, 4XC1T SOHC (ISUZU ENGINE) (TURBO AS NOTED)</b>					
Reman.	1987-85	w/6 bolt flange; Chevrolet	Forging #KN8, KN10, 4127, 5330	BP5807	KBP5807
Reman.	1989-87	w/8 bolt flange; Chevrolet	Forging #4XC-U, 4XC1-U, 4XC-UT	BP5808	KBP5808
Reman.	1989-85	w/6 bolt flange; Pontiac	Forging #KN8, KN10, 4127, 5330	BP5807	KBP5807
<b>1.6L/98/1587CC L4 81MM (3.189") 4AFE, 4ALC, 4AGE SOHC, DOHC (TOYOTA ENGINE)</b>					
Reman.	1988-85	w/6 bolt flange; w/1.574" rod brgs.; Nova	Forging #1A, 3A, 5A	BP7024	KBP7024
Reman.	1988-85	w/8 bolt flange; w/1.574" rod brgs.; Nova		BP7029	KBP7029
Reman.	1988-85	w/8 bolt flange; w/1.653" rod brgs.; Nova		BP7030	KBP7030
<b>1.6L/98/1599CC L4 82MM (3.228") SOHC (CHEVROLET ENGINE)</b>					
Reman.	1978-76	w/1-1/8" pilot & short skirt piston; Chevette	Forging #7184, 7184N	BP1022	KBP1022
Reman.	1980-79	w/1-1/8" pilot & long skirt piston; Chevette	Forging #1140, 1140N	BP1027	KBP1027
Reman.	1987-81	w/3/4" pilot; Chevette, T1000	Forging #1140, 1140N	BP1021	KBP1021
<b>1.8L/110/1794CC L4 79MM (3.110") 1ZZFE DOHC (TOYOTA ENGINE)</b>					
Reman.	2000-98	1ZZFE; Prism		BP7042	KBP7042
<b>1.8L/110/1817CC L4 84MM (3.307") G180, G180Z SOHC (ISUZU ENGINE) OPEL (GAS)</b>					
Reman.	1979-76	Opel	Forging #M, 202B	BP5801	KBP5801
<b>1.8L/112/1835CC L4 84.8MM (3.339") SOHC (PONTIAC ENGINE) (TURBO AS NOTED)</b>					
Reman.	1986-82	VIN J, O; Buick, Oldsmobile, Pontiac	Forging #2670, R90156143	BP4050	KBP4050
<b>1.8L/112/1835CC L4 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1982-82	VIN G; w/Oil slinger; Buick; Cadillac; Chevrolet Cavalier; Oldsmobile w/o EFI; Pontiac 2000 w/o EFI	Forging #8705N (1st design)	BP1050	KBP1050
Reman.	1982-82	VIN G; w/o Oil slinger; Buick; Cadillac; Chevrolet Cavalier; Oldsmobile w/o EFI; Pontiac 2000 w/o EFI	Forging #8705N (2nd design)	BP1051	KBP1051
<b>2.0L/122/1983CC L4 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1984-82	w/Oil slinger; Buick, Cadillac, Chevrolet, Oldsmobile, Pontiac	Forging #3278N	BP1052	KBP1052
Reman.	1986-84	w/o Oil slinger; Buick, Cadillac, Chevrolet, Oldsmobile, Pontiac	Forging #7243N	BP1053	KBP1053
Reman.	1989-87	VIN 1; w/Reluctor ring; Buick, Cadillac, Chevrolet, Oldsmobile, Pontiac	Forging #003K, 003N, 90003C	BP1054	KBP1054
<b>2.0L/122/1983CC L4 86MM (3.386") SOHC (PONTIAC ENGINE) (TURBO AS NOTED)</b>					
Reman.	1991-87	VIN K, M; Brazil eng.; Buick, Chevrolet, Oldsmobile, Pontiac	Forging #2670, R90280395, R90280399	BP4030	KBP4030
Reman.	1994-92	VIN H, K; Brazil eng.; w/3 tapped holes in #1 counterweight; w/2 pins; Pontiac	Forging #399	BP4031	KBP4031
Reman.	1994-92	VIN H, K; Brazil eng. w/3 tapped holes in #1 counterweight; w/o 2 pins; Pontiac	Forging #399, 2670, 90409507	BP4032	KBP4032
<b>2.2L/134/2189CC L4 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1997-97	VIN G, 4	Forging #L3, 1237, 4618	<b>Value Line Crank Kit</b>	<b>KVL1028A</b>
Reman.	2002-98	VIN 4	Forging #1237, L3, 4618	BP1066	KBP1066
Reman.	1996-90	VIN G, 4	Forging #L3, 1237, 4618	BP1028	KBP1028A .....
<b>2.3L/138/2260CC L4 92MM (3.622") QUAD 4 SOHC, DOHC (OLDSMOBILE ENGINE) INCLUDES QUAD 4</b>					
Reman.	1988-87	VIN D; Notches on reluctor ring are approx. 1 inch from casting line down the center of the shaft; w/ign. notches 1" from forging parting line	Forging #22532120	<b>Value Line Crank Kit</b>	<b>KVL9011*</b>
Reman.	1994-89	VIN A, D, 3; Notches on reluctor ring line up with casting line down the center of the shaft; w/ign. notches on the forging parting line	Forging #22532120, 22545690	BP9011*	KBP9011* .....
Reman.	1995-95	VIN D; FWD; w/Sprocket type drive gear	Forging #24574115	BP9022*	KBP9022*
<b>2.3L/140 L4 (3.500") SOHC (CHEVROLET ENGINE)</b>					
Reman.	1977-71		Forging #3977109, 3994226, 3994227	BP1010	KBP1010
<b>2.4L/146/2392CC L4 90MM DOHC</b>					
Reman.	2001-96	VIN T; Quad 4; LD9; Buick, Chevrolet, Oldsmobile, Pontiac	Forging #4620	BP4071	KBP4071
<b>2.5L/151 L4 (4.000") (PONTIAC ENGINE)</b>					
Reman.	1979-79	VIN 1	Forging #499311	BP4042	KBP4042

\* Oil pump drive gears should be carefully removed from the core and placed on the replacement crankshaft prior to installation

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM CAR (Incl. Buick, Cadillac, Chevrolet, Oldsmobile &amp; Pontiac) -Continued</b>					
<b>2.5L/151 L4 (4.000") (PONTIAC ENGINE) -Continued</b>					
Reman.	1980-79	VIN V, 9; RWD	Forging #684, 777	BP4069	KBP4069
Reman.	1981-80	VIN 5; FWD	Forging #684, 777	BP4044	KBP4044
Reman.	1984-82	w/Auto. trans.	Forging #684, 777	BP4045	KBP4045
Reman.	1984-82	FWD; w/Man. trans.	Forging #684, 777	BP4044	KBP4044
Reman.	1984-82	RWD; w/Man. trans.	Forging #684, 777	BP4069	KBP4069
Reman.	1986-85	VIN U; FWD; w/Auto trans.; w/narrow main bearing thrust width .945"	Forging #771	BP4051	KBP4051
Reman.	1986-85	VIN U; FWD; w/Man. trans.; w/narrow main bearing thrust width .945"	Forging #771	BP4052	KBP4052
<b>2.5L/151 L4 (4.000") (PONTIAC ENGINE) -Continued</b>					
Reman.	1986-85	VIN R; FWD; w/Man. trans.; w/wide main bearing thrust width 1.014"; w/o direct magnetic ignition	Forging #017	BP4056	KBP4056
Reman.	1986-85	VIN R; FWD; w/Auto trans.; w/wide main bearing thrust width 1.014"; w/o direct magnetic ignition	Forging #017	BP4055	KBP4055
Reman.	1988-87	VIN R; FWD; w/Auto trans.; w/direct magnetic ignition; w/o balancer drive gear; w/reluctor ring on crank	Forging #381, 405	BP4065	KBP4065
Reman.	1988-87	VIN R; FWD; w/Man. trans.; w/direct magnetic ignition, w/o balancer drive gear; w/reluctor ring on crank	Forging #381, 405	BP4066	KBP4066
Reman.	1987-87	VIN U; w/Man. trans.; w/direct magnetic ignition, w/o balancer drive gear	Forging #390, 406	BP4074	KBP4074
Reman.	1992-89	VIN U; w/Auto trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #406, 540	BP4053	KBP4053
Reman.	1992-89	VIN U; w/Man. trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #390, 625	BP4054	KBP4054
Reman.	1992-88	VIN R; w/Auto trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #405, 543	BP4060	KBP4060
Reman.	1992-88	VIN R; w/Man. trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #405, 543	BP4059	KBP4059
Reman.	1988-87	VIN U; w/Man. trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #406	BP4073	KBP4073
Reman.	1988-87	VIN U; w/Auto trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #406	BP4072	KBP4072
Reman.	1987-87	VIN U; w/Auto trans.; w/direct magnetic ignition, w/o balancer drive gear	Forging #390, 406	BP4063	KBP4063
Reman.	1986-85	VIN 2; RWD; w/Auto trans.	Forging #017	BP4055	KBP4055
Reman.	1978-77		Forging #499311	BP4042	KBP4042
Reman.	1986-85	VIN 2; RWD; w/Man. trans.	Forging #017	BP4057	KBP4057
Reman.	1985-85	VIN 2; RWD; w/Man. trans.	Forging #684, 777	BP4048	KBP4048
Reman.	1985-85	VIN 2; RWD; w/Auto trans.	Forging #684, 777	BP4070	KBP4070
Reman.	1985-85	VIN R; FWD; w/Man. trans.	Forging #684, 777	BP4049	KBP4049
Reman.	1985-85	VIN R; FWD; w/Auto trans.	Forging #684, 777	BP4070	KBP4070
Reman.	1987-87	VIN U; w/Man. trans.; w/direct magnetic ignition & 82 tooth balancer drive gear	Forging #390, 406	BP4064	KBP4064
<b>2.8L/173/2835CC V6 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1985-80	VIN X, Z, 1, 7; w/2.494" main brg. (Small Journal)	Forging #264, 504	BP1011	KBP1011
				<b>Value Line Crank Kit</b>	<b>KVL1011</b>
Reman.	1987-85	VIN B, R, S, W; w/o Reluctor ring; w/2.648" Main brgs.; Large journal; Externally balanced	Forging #817	BP1035	KBP1035
				<b>Value Line Crank Kit</b>	<b>KVL1035</b>
Reman.	1989-87	VIN S, W; w/Reluctor ring; w/notches for distributorless ignition; internally balanced	Forging #337, 481, 526	BP1037	KBP1037
<b>3.0L/181 V6 (3.800") OHV (BUICK ENGINE)</b>					
Reman.	1985-82	Exc. Turbo; High deck blocks	Forging #257, 404	BP5052	KBP5052
Reman.	1988-85	Exc. Turbo; Low deck blocks	Forging #732	BP5053	KBP5053
<b>3.0L/181 V6 86MM (3.386") DOHC (CADILLAC ENGINE)</b>					
Reman.	2001-97	VIN R; Cadillac Catera w/bolt-on reluctor ring on rear counterweight	Forging #90499243, 1255069	BP1510	KBP1510
<b>3.1L/189/3135CC V6 89MM (3.504") OHV (CHEVROLET ENGINE) (TURBO AS NOTED)</b>					
Reman.	1995-88	VIN D; Distributor ignition w/o notches in reluctor ring	Forging #268, 981	BP1038	KBP1038
Reman.	2002-89	VIN J, M, T, V; w/notches cut in reluctor ring for distributorless ignition	Forging #186, 268, 981	BP1039	KBP1039
<b>3.2L/194 L6 (3.563") OHV (CHEVROLET ENGINE)</b>					
Reman.	1967-62		Forging #3788424, 3820618, 5743013	BP1013	KBP1013
<b>3.2L/196 V6 (3.500") OHV (BUICK ENGINE)</b>					
Reman.	1979-78	Buick, Chevrolet	Forging #1255674, 1257125, 1260877	BP5051	KBP5051
<b>3.3L/200 V6 (3.500") OHV (CHEVROLET ENGINE)</b>					
Reman.	1979-78	Chevrolet	Forging #726N, 1354N	BP1016	KBP1016
<b>3.3L/204 V6 94MM (3.701") OHV (BUICK ENGINE)</b>					
Reman.	1993-89	w/6 bolt flange	Forging #694	BP5062	KBP5062
Reman.	1993-89	w/8 bolt flange	Forging #817, 4817	BP5057	KBP5057
<b>3.4L/207/3352CC V6 92MM (3.622") DOHC (CHEVROLET ENGINE)</b>					
Reman.	1997-91	VIN X; Chevrolet, Oldsmobile, Pontiac	Forging #268, 981	BP1040	KBP1040

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM CAR (Incl. Buick, Cadillac, Chevrolet, Oldsmobile &amp; Pontiac) -Continued</b>					
<b>3.4L/207/3352CC V6 92MM (3.622") OHV (CHEVROLET ENGINE)</b>					
Reman.	2002-93	VIN S; Chevrolet, Oldsmobile, Pontiac	Forging #268, 981	BP1040	KBP1040
<b>3.5L/214 V6 89.5MM (3.524") (OLDSMOBILE ENGINE)</b>					
Reman.	2001-99	VIN H; Oldsmobile Aurora & Intrigue	Forging #5089, 142	BP9024	KBP9024
<b>3.7L/225 V6 (3.750") OHV (BUICK ENGINE)</b>					
Reman.	1967-64		Forging #1255645, 1255648, 1357898, 1378351, 1378354	BP5050	KBP5050
<b>3.8L/229 V6 (3.736") OHV (CHEVROLET ENGINE)</b>					
Reman.	1984-80	Chevrolet, Pontiac	Forging #726N, 1354N	BP1016	KBP1016
<b>3.8L/230 L6 (3.875") OHV (CHEVROLET ENGINE) (MEXICAN MFG.)</b>					
Reman.	1970-63		Forging #3788424, 3820618, 5743013	BP1013	KBP1013
<b>3.8L/231/3800CC V6 96.5MM (3.800") OHV (BUICK ENGINE) (TURBO &amp; SUPERCHARGED AS NOTED)</b>					
Reman.	1977-75	VIN C; Odd fire; Buick, Oldsmobile, Pontiac	Forging #1255645, 1255648, 1357898, 1378351, 1378354	BP5050	KBP5050
Reman.	1987-77	VIN A, 3, 8; w/4.250" flange; Non-Turbo; Conventional mount eng.; Even Fire eng.; Buick, Chevrolet, Oldsmobile, Pontiac	Forging #1255674, 1257125, 1260877	BP5051	KBP5051
Reman.	1993-91	VIN C, L, 1; w/Balance shaft; w/8 bolt flange; Series I; Buick, Oldsmobile, Pontiac	Forging #737, 4737	BP5056	KBP5056
Reman.	1990-88	VIN C, w/Balance shaft; w/6 bolt flange; Buick, Oldsmobile, Pontiac	Forging #502, 113	BP5055	KBP5055
Reman.	2001-95	VIN K, L, 1; Series II; Buick, Chevrolet, Oldsmobile, Pontiac	Forging #242, 2170	BP5058	KBP5058
Reman.	1988-84	VIN B, 3; w/2.665" flange; FWD w/Transverse mount eng.; Non-Turbo, Buick, Oldsmobile, Pontiac	Forging #267	BP5054	KBP5054
				<b>Value Line Crank Kit</b>	<b>KVL5054</b>
Reman.	1994-94	VIN L, 1; w/Balance shaft; w/8 bolt flange; Series I; Buick, Oldsmobile, Pontiac	Forging #737, 4737, 309	BP5064	KBP5064
Reman.	1995-95	w/Balance shaft; w/8 bolt flange; Series I	Forging #737, 4737	BP5060	KBP5060
<b>3.8L/235 L6 (3.563") OHV (CHEVROLET ENGINE)</b>					
Reman.	1962-53	w/Locking lip type main brg.	Forging #3701488	BP1014	KBP1014
Reman.	1962-53	w/dowel type main brg.	Forging #3701488	BP1015	KBP1015
<b>4.0L/244 V8 87MM (3.425") DOHC</b>					
Reman.	1999-95	Aurora, Riviera	Forging #3544669	BP1512	KBP1512
Reman.	1999-95	Aurora, Riviera	Forging #12554681	BP9023*	KBP9023*
<b>4.1L/250 L6 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1979-66		Forging #460407, 2779954, 3876802, 3876840	BP1017	KBP1017
<b>4.1L/250/4097CC V8 88MM (3.465") OHV (CADILLAC ENGINE)</b>					
Reman.	1988-82	w/3 bolt flange; Cadillac	Forging #1617590	BP1501	KBP1501
Reman.	1988-82	w/6 bolt flange; Cadillac	Forging #1617590	BP1506	KBP1506
<b>4.1L/252 V6 (3.965") OHV (BUICK ENGINE)</b>					
Reman.	1984-80	VIN 4; RWD	Forging #1255674, 1257125, 1260877	BP5051	KBP5051
<b>4.3L/260 V8 (3.500") OHV (OLDSMOBILE ENGINE) (GAS)</b>					
Reman.	1982-75	VIN F; w/o hole in #1 rod throw	Forging #230376, 393654, 418882, 556607	BP9013	KBP9013
<b>4.3L/260 V6 (4.057") OHV (OLDSMOBILE ENGINE) (DIESEL)</b>					
Reman.	1985-82	VIN V; Diesel; RWD; Chevrolet, Oldsmobile	Forging #611	BP9021	KBP9021
Reman.	1985-82	VIN T; Diesel; FWD; Buick, Chevrolet, Oldsmobile, Pontiac	Forging #610	BP9012	KBP9012
Reman.	1984-82	VIN V; Diesel; RWD; Buick	Forging #611	BP9021	KBP9021
Reman.	1985-85	Diesel; FWD; Cadillac	Forging #610	BP9012	KBP9012
<b>4.3L/261 L6 (3.750") OHV (CHEVROLET ENGINE)</b>					
Reman.	1962-53	w/Locking lip type main brg.	Forging #3701488	BP1014	KBP1014
Reman.	1962-53	w/dowel type main brg.	Forging #3701488	BP1015	KBP1015
<b>4.3L/262 V8 (3.671") OHV (CHEVROLET ENGINE)</b>					
Reman.	1976-75	Chevrolet		BP1041	KBP1041
<b>4.3L/262 V6 (4.000") OHV (CHEVROLET ENGINE)</b>					
Reman.	1985-85	w/2 pc. rear oil seal; Chevrolet, Pontiac	Forging #1174N	BP1055	KBP1055
Reman.	1993-86	w/1 pc. rear oil seal; w/o hole in #1 rod throw; w/o balance shaft; Chevrolet, Oldsmobile, Pontiac	Forging #480, 640, 865, 10055480, 10105865, 14088640, 140888	BP1056	KBP1056
				<b>Value Line Crank Kit</b>	<b>KVL1056</b>
Reman.	1993-92	w/1 pc. rear oil seal; w/weight reduction balance hole in #1 rod throw; w/balance shaft eng.	Forging #480, 640, 865, 10055480, 10105865, 14088640, 140888	BP1057	KBP1057
				<b>Value Line Crank Kit</b>	<b>KVL1057</b>
<b>4.3L/265 V8 (3.750") OHV (CHEVROLET ENGINE)</b>					
Reman.	1957-55	Steel shaft; Exc. Turboglide	Forging #3735236, 3815822, 3836266	BP1044	KBP1044
<b>4.3L/265 V8 (3.750") OHV (PONTIAC ENGINE)</b>					
Reman.	1981-80	Buick, Pontiac	Forging #525887	BP4033	KBP4033
<b>4.3L/265 V8 (3.736") OHV (CHEVROLET ENGINE)</b>					
Reman.	1996-94	VIN W, Caprice	Forging #10168568	BP1064	KBP1064

\* Oil pump drive gears must be purchased separately from GM dealer and are not supplied with crankshaft.

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# Blueprint Series Crankshafts

## Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM CAR (Incl. Buick, Cadillac, Chevrolet, Oldsmobile &amp; Pontiac) -Continued</b>					
<b>4.4L/267 V8 (3.500") OHV (CHEVROLET ENGINE)</b>					
Reman.	1982-79	Buick, Chevrolet, Oldsmobile, Pontiac	Forging #3932442	BP1042	KBP1042
<b>4.5L/273/4474CC V8 92MM (3.622") OHV (CADILLAC ENGINE)</b>					
Reman.	1992-88	w/6 bolt flange; FWD; Cadillac	Forging #162909, 184873, 1628091, 1629091, 1646737	BP1508	KBP1508
<b>4.6L/281/4565CC V8 93MM (3.660") DOHC (CADILLAC ENGINE) NORTHSTAR</b>					
Reman.	1999-93	VIN Y, 9; Northstar eng. w/18mm bolt hole in neck of crank	Forging #3525774	BP1511	KBP1511
Reman.	1999-93	VIN Y, 9; Northstar eng. w/14mm bolt hole in neck of crank	Forging #3544669	BP1512	KBP1512
<b>4.6L/283 V8 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1967-64	Cast shaft; Exc. Turboglide	Forging #3849847, 3876764, 3876768	BP1043	KBP1043
Reman.	1967-57	Steel shaft; Exc. Turboglide	Forging #3735236, 3815822, 3836266	BP1044	KBP1044
<b>4.9L/300/4884CC V8 (3.620") OHV (CADILLAC ENGINE)</b>					
Reman.	1995-91	Cadillac	Forging #3520090	BP1509	KBP1509
<b>4.9L/301 V8 (4.000") OHV (PONTIAC ENGINE) (TURBO AS NOTED)</b>					
Reman.	1981-77	Exc. TBI	Forging #525887	BP4034	KBP4034
<b>5.0L/305 V8 (3.736") OHV (CHEVROLET ENGINE)</b>					
Reman.	1985-76	w/2 pc. rear seal	Forging #3932442	BP1058	KBP1058
				<b>Value Line Crank Kit</b>	<b>KVL1058</b>
Reman.	1993-86	w/1 pc. rear seal	Forging #14088526, 14088535	BP1005	KBP1005
				<b>Value Line Crank Kit</b>	<b>KVL1005</b>
<b>5.0L/307 V8 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1973-68		Forging #1130, 4672, 3911001, 3941174, 3911001A	BP1045	KBP1045
<b>5.0L/307 V8 (3.800") OHV (OLDSMOBILE ENGINE)</b>					
Reman.	1990-80	VIN Y, 9; w/Hole in #1 rod throw	Forging #418882, 556607	BP9014	KBP9014
				<b>Value Line Crank Kit</b>	<b>KVL9014</b>
<b>5.3L/326 V8 (3.719") OHV (PONTIAC ENGINE)</b>					
Reman.	1965-64	Tempest	Forging #9773382	BP4040	KBP4040
Reman.	1967-66	Tempest	Forging #9782770, 9793573, 9795479	BP4036	KBP4036
<b>5.3L/327 V8 (4.000") OHV (CHEVROLET ENGINE)</b>					
Reman.	1969-68	w/2.448" main brg.; Chevrolet	Forging #1130, 4672, 3911001, 3941174, 3911001A	BP1045	KBP1045
Reman.	1967-62	w/2.298" main brg.; Chevrolet	Forging #2680, 4577, 3782680	BP1046	KBP1046
<b>5.6L/340 V8 (3.750") OHV (BUICK ENGINE)</b>					
Reman.	1967-66		Forging #1235419, 1375809, 1378346	BP5063	KBP5063
<b>5.7L/346 V8 99MM (3.898") LS1, LS6 OHV (CHEVROLET ENGINE)</b>					
Reman.	2000-97	VIN G; w/1.250" flywheel flange & 2.559" main journal dia.	Forging #215.	BP1071	KBP1071
Reman.	2003-00	VIN G, S; w/.875" flywheel flange	Forging #12552216, 216.	BP1070	KBP1070
<b>5.7L/350 V8 (4.000") OHV (CHEVROLET ENGINE) (GAS)</b>					
New	1985-67	Early models w/2 pc. rear seal		C350	KC350
New	1997-86	Late models w/1 pc. rear seal; Incl. LT-1 engine using light weight vortex pistons		C350-1	KC350-1
Reman.	1985-67	Steel shaft; w/2 pc. rear main	Forging #1182, 2690	BP1001	KBP1001
Reman.	1985-67	Cast shaft; w/2 pc. rear seal	Forging #1181, 306275, 306276, 3932442	BP1000	KBP1000
				<b>Value Line Crank Kit</b>	<b>KVL1000</b>
Reman.	1997-86	VIN J; Steel shaft; w/1 pc. rear seal	Forging #14088532	BP1003	KBP1003
Reman.	1997-86	Cast shaft; w/1 pc. rear seal; Incl. LT-1 engine using light weight vortex pistons	Forging #14088526, 14088535, 14088536	BP1002	KBP1002
				<b>Value Line Crank Kit</b>	<b>KVL1002</b>
<b>5.7L/350 V8 (3.800") OHV (BUICK ENGINE) (GAS)</b>					
Reman.	1981-68	VIN H, J, X	Forging #1235419, 1375809, 1378346	BP5063	KBP5063
<b>5.7L/350 V8 (4.057") OHV (OLDSMOBILE ENGINE) (GAS)</b>					
Reman.	1975-68		Forging #230376, 393654, 418882, 556607	BP9015	KBP9015
Reman.	1980-76	VIN R, 8, B	Forging #230376, 393654, 418882, 556607	BP9015	KBP9015
<b>5.7L/350 V8 (3.875") OHV (PONTIAC ENGINE) (GAS)</b>					
Reman.	1976-68	w/2.750" center ring; Pontiac	Forging #9782770, 9793573, 9795479	BP4036	KBP4036
Reman.	1977-75	VIN P; w/2.489" center ring; Pontiac	Forging #496452	BP4035	KBP4035
<b>5.7L/350 V8 (4.057") OHV (OLDSMOBILE ENGINE) (DIESEL)</b>					
Reman.	1985-78	VIN N; Diesel; Exc. FWD	Forging #558711	BP9016	KBP9016
<b>6.0L/368 V8 (3.800") OHV (CADILLAC ENGINE)</b>					
Reman.	1984-80	Exc. FWD; Cadillac	Forging #1609142	BP1502	KBP1502
<b>6.4L/389 V8 (4.063") OHV (PONTIAC ENGINE)</b>					
Reman.	1966-64		Forging #4813, 97954, 103427, 9773524	BP4038	KBP4038

# Blueprint Series Crankshafts

**Domestic/Import -Continued**



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM CAR (Incl. Buick, Cadillac, Chevrolet, Oldsmobile &amp; Pontiac) -Continued</b>					
<b>6.5L/396 V8 (4.094") OHV (CHEVROLET ENGINE)</b>					
Reman.	1970-65	Cast shaft; Chevrolet	Forging #3904815	BP1008	KBP1008
<b>6.6L/400 V8 (4.000") OHV (OLDSMOBILE ENGINE)</b>					
Reman.	1967-65	Auto trans.; F85 Cutlass	Forging #384722, 390370	BP9018	KBP9018
Reman.	1968-68	Auto trans.; F85 Cutlass	Forging #230377, 230378, 397363, 400943	BP9017	KBP9017
<b>6.6L/400 V8 (4.040") OHV (BUICK ENGINE)</b>					
Reman.	1969-67		Forging #1379242	BP5061	KBP5061
<b>6.6L/400 V8 (4.120") OHV (PONTIAC ENGINE)</b>					
Reman.	1979-76	w/2.489" center ring	Forging #496452	BP4037	KBP4037
Reman.	1975-67	w/2.750" center ring.	Forging #4813, 97954, 103427, 9773524	BP4038	KBP4038
<b>6.6L/400 V8 (4.125") OHV (CHEVROLET ENGINE) SMALL BLOCK</b>					
Reman.	1976-70		Forging #3951527, 3951528, 3951529	BP1007	KBP1007
New	1976-70			C400	KC400
<b>6.6L/402 V8 (4.125") OHV (CHEVROLET ENGINE) BIG BLOCK</b>					
Reman.	1972-70	Cast shaft; Chevrolet	Forging #3904815	BP1008	KBP1008
<b>6.6L/403 V8 (4.351") OHV (OLDSMOBILE ENGINE)</b>					
Reman.	1979-77	VIN K	Forging #230376, 393654, 418882, 556607	BP9019	KBP9019
<b>6.9L/421 V8 (4.098") OHV (PONTIAC ENGINE)</b>					
Reman.	1966-64		Forging #9783787, 9773384	BP4041	KBP4041
<b>7.0L/425 V8 (4.125") OHV (OLDSMOBILE ENGINE)</b>					
Reman.	1967-65	Auto trans.; Exc. FWD	Forging #384722, 390370	BP9018	KBP9018
<b>7.0L/425 V8 (4.082") OHV (CADILLAC ENGINE)</b>					
Reman.	1979-77	Exc. FWD; Cadillac	Forging #1609142, 1609142R	BP1503	KBP1503
<b>7.0L/427 V8 (4.250") OHV (CHEVROLET ENGINE)</b>					
Reman.	1969-66	Steel shaft; Chevrolet	Forging #6223, 7115, 3863144, 3874874	BP1009	KBP1009
<b>7.0L/428 V8 (4.120") OHV (PONTIAC ENGINE)</b>					
Reman.	1969-67	Pontiac	Forging #9783787, 9773384	BP4041	KBP4041
<b>7.0L/430 V8 (4.188") OHV (BUICK ENGINE)</b>					
Reman.	1969-67	Buick	Forging #1379242	BP5061	KBP5061
<b>7.4L/454 V8 (4.250") OHV (CHEVROLET ENGINE)</b>					
New	1976-70	Models w/2 pc. rear seal	Heavy duty forged	CF454	KCF454
Reman.	1976-70	Cast shaft	Forging #3521, 3963523, 3963524	BP1006	KBP1006
New	1976-70	Models w/2 pc. rear seal		C454	KC454
<b>7.5L/455 V8 (4.125") OHV (OLDSMOBILE ENGINE)</b>					
Reman.	1976-68	w/Hole in #1 rod throw; Oldsmobile	Forging #230377, 230378, 231788, 397363, 400943, 404440	BP9020	KBP9020
<b>7.5L/455 V8 (4.133") OHV (BUICK ENGINE)</b>					
Reman.	1976-70	Exc. FWD; Buick	Forging #1379242	BP5061	KBP5061
<b>7.5L/455 V8 (4.151") OHV (PONTIAC ENGINE)</b>					
Reman.	1976-70	Auto trans.; Exc. Hi-Perf.; Pontiac	Forging #496453, 9799103	BP4039	KBP4039
Reman.	1976-70	Auto trans.; Exc. Hi-Perf.; Pontiac		C455P	
<b>7.7L/472 V8 (4.300") OHV (CADILLAC ENGINE)</b>					
Reman.	1974-68	Cadillac	Forging #1486424	BP1504	KBP1504
<b>8.2L/500 V8 (4.300") OHV (CADILLAC ENGINE)</b>					
Reman.	1976-70	Cadillac	Forging #1495094, 1495095, 1456793	BP1505	KBP1505
<b>GM TRUCK (Incl. Buick, Cadillac, Chev., GMC, Olds. &amp; Pontiac)</b>					
<b>1.6L/97/1590CC L4 75MM (2.953") G16KV SOHC (SUZUKI ENGINE)</b>					
Reman.	2000-98	G16; w/1.731" rod brgs.; Tracker	Forging #LN917, 216	BP1802	KBP1802
<b>1.8L/111/1817CC L4 84MM (3.307") G180Z SOHC (ISUZU ENGINE) LUV</b>					
Reman.	1972-72			BP5803	KBP5803
Reman.	1975-73	Series 2-4; w/1 key		BP5802	KBP5802
Reman.	1982-76	Series 5, 6, 8-11; w/2 key	Forging #M, 202B	BP5801	KBP5801
<b>1.9L/119/1949CC L4 87MM (3.425") G200Z SOHC (ISUZU ENGINE)</b>					
Reman.	1985-82	S10, S15	Forging #M, 202B	BP5804	KBP5804A
<b>2.0L/122/1983CC L4 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1984-83	w/Oil slinger	Forging #3278N	BP1052	KBP1052
Reman.	1984-83	w/o Oil slinger	Forging #7243N	BP1053	KBP1053
<b>2.2L/134/2189CC L4 89MM OHV (CHEVROLET ENGINE)</b>					
Reman.	1997-94		Forging #L3, 1237, 4618	BP1028	KBP1028A
				<b>Value Line Crank Kit</b>	<b>KVL1028A</b>

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM TRUCK (Incl. Buick, Cadillac, Chev., GMC, Olds. &amp; Pontiac) -Continued</b>					
<b>2.2L/134/2189CC L4 89MM OHV (CHEVROLET ENGINE) -Continued</b>					
Reman.	2002-98	VIN 4	Forging #1237, L3, 4618	BP1066	KBP1066
<b>2.2L/137/2238CC L4 88MM C223, C233 OHV (ISUZU ENGINE) (DIESEL)</b>					
Reman.	1985-83	From 11/83; C223	Forging #AI, AJ, BC	BP5810	KBP5810B
Reman.	1983-81	To 10/83; C223	Forging #AI, AJ, BC	BP5810	KBP5810A
<b>2.5L/151 L4 (4.000") OHV (PONTIAC ENGINE)</b>					
Reman.	1990-87	VIN E; S-10, T-10; w/Man. trans.; w/direct magnetic ignition, reluctor ring; w/o balancer drive gear	Forging #381, 405	BP4062*	KBP4062*
<b>2.5L/151 L4 (4.000") OHV (PONTIAC ENGINE) -Continued</b>					
Reman.	1986-85	VIN E; S-10, T-10, M series Van; w/Auto trans.; w/distributor type ignition	Forging #017	BP4055	KBP4055
Reman.	1986-85	VIN E, M; series Van; w/Man. trans.; w/distributor type ignition	Forging #017	BP4057	KBP4057
Reman.	1990-87	VIN E; S-10, T-10, M series Van; w/Auto trans.; w/direct magnetic ignition, reluctor ring; w/o balancer drive gear	Forging #381, 405	BP4065*	KBP4065*
Reman.	1993-88	VIN A, E; S-10, T-10, M series Van; w/Auto trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #405, 543	BP4060	KBP4060
Reman.	1993-88	VIN A, E; S-10, T-10; w/Man. trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #405, 543	BP4068	KBP4068
Reman.	1986-85	VIN E; S-10, T-10; w/Man. trans.; w/distributor type ignition	Forging #017	BP4058	KBP4058
Reman.	1985-85	VIN E; S-10, T-10, M series Van; w/Auto trans.	Forging #684, 777	BP4070	KBP4070
Reman.	1985-85	VIN E; S-10, T-10; w/Man. trans.	Forging #684, 777	BP4047	KBP4047
Reman.	1985-85	VIN E; M series Van; w/Man. trans.	Forging #684, 777	BP4048	KBP4048
Reman.	1990-87	VIN E; M series Van; w/Man. trans.; w/direct magnetic ignition, reluctor ring; w/o balancer drive gear	Forging #381, 405	BP4061	KBP4061
Reman.	1993-88	VIN A, E; M series Van; w/Man. trans.; w/direct magnetic ignition & 78 tooth balancer drive gear	Forging #405, 543	BP4067	KBP4067
<b>2.8L/173/2835CC V6 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1985-82	w/2.494" main brg.; small journal	Forging #264, 504	BP1011	KBP1011
				<b>Value Line Crank Kit</b>	<b>KVL1011</b>
Reman.	1987-85	w/o Reluctor ring; w/2.648" Main brgs.; Large journal	Forging #817	BP1035	KBP1035
				<b>Value Line Crank Kit</b>	<b>KVL1035</b>
Reman.	1993-87	VIN R; w/Reluctor ring w/o notches; internally balanced eng.	Forging #481, 526	BP1036	KBP1036
<b>3.1L/189/3135CC V6 89MM (3.504") OHV</b>					
Reman.	1995-90	Shaft w/o notches cut in reluctor ring	Forging #268, 981	BP1038	KBP1038
<b>3.2L/194 L6 (3.563") OHV (CHEVROLET ENGINE)</b>					
Reman.	1967-63		Forging #3788424, 3820618, 5743013	BP1013	KBP1013
<b>3.3L/200 V6 (3.500") OHV (CHEVROLET ENGINE)</b>					
Reman.	1979-78		Forging #726N, 1354N	BP1016	KBP1016
<b>3.4L/207/3352CC V6 92MM (3.620") OHV (CHEVROLET ENGINE)</b>					
Reman.	2002-96	VIN E	Forging #268, 981	BP1040	KBP1040
<b>3.8L/229 V6 (3.736") OHV (CHEVROLET ENGINE)</b>					
Reman.	1984-80		Forging #726N, 1354N	BP1016	KBP1016
<b>3.8L/230 L6 (3.875") OHV (CHEVROLET ENGINE) (MEXICAN MFG.)</b>					
Reman.	1969-63		Forging #3788424, 3820618, 5743013	BP1013	KBP1013
<b>3.8L/231/3800CC V6 (3.800") OHV (BUICK ENGINE) 1978-1984 EL CAMINO, CABALLERO/1992-1995 LUMINA APV</b>					
Reman.	1994-94	VIN L; w/8 bolt flange; Series I	Forging #737, 4737	BP5059	KBP5059
Reman.	1984-78	Exc. Turbo; Caballero, El Camino	Forging #1255674, 1257125, 1260877	BP5051	KBP5051
Reman.	1993-92	w/Balance shaft; w/8 bolt flange	Forging #737, 4737	BP5056	KBP5056
Reman.	1995-95	w/8 bolt flange; Series I	Forging #737, 4737	BP5060	KBP5060
<b>3.8L/235 L6 (3.563") OHV (CHEVROLET ENGINE)</b>					
Reman.	1962-53	w/Locking lip type main brg.	Forging #3701488	BP1014	KBP1014
Reman.	1962-53	w/dowel type main brg.	Forging #3701488	BP1015	KBP1015
<b>4.1L/250 L6 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1984-66		Forging #460407, 2779954, 3876802, 3876840	BP1017	KBP1017
<b>4.2L/256 L6 VORTEC DOHC</b>					
Reman.	2002-99	VIN S; Trailblazer, Bravada, Envoy	Forging #209	BP1067	KBP1067
<b>4.3L/261 L6 (3.750") OHV (CHEVROLET ENGINE)</b>					
Reman.	1962-54	w/Locking lip type main brg.	Forging #3701488	BP1014	KBP1014
Reman.	1962-54	w/dowel type main brg.	Forging #3701488	BP1015	KBP1015

\* Some S-10 Blazers & Astro Vans with Distributor type ignition may also use this crankshaft. Check Forging #.

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM TRUCK (Incl. Buick, Cadillac, Chev., GMC, Olds. &amp; Pontiac) -Continued</b>					
<b>4.3L/262 V6 (4.000") OHV (CHEVROLET ENGINE) (TURBO AS NOTED)</b>					
Reman.	1995-86	VIN Z; w/1 pc. seal; w/o hole in #1 rod throw; Heavyweight crank used in non-balance shaft engines and Vin Z engines with heavy piston & pin assemblies (745 grams); double keyway	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	BP1056 <b>Value Line Crank Kit</b>	KBP1056 <b>KVL1056</b>
Reman.	1999-92	VIN W, X, Z; w/1 pc. seal; w/hole in #1 rod throw; Lightweight crank used in Vin W, Z, X; engines with light piston & pin assemblies (675 grams); single keyway	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	BP1057 <b>Value Line Crank Kit</b>	KBP1057 <b>KVL1057</b>
Reman.	1985-85	w/2 pc. rear seal	Forging #1174N	BP1055	KBP1055
Reman.	2003-00	Deep pilot hole depth of 1.410"; w/holes drilled in both front & rear rod journals; flywheel flange 1.500" thick	Forging #255 Balance holes drilled in the front and rear rod journal	BP1065	KBP1065
<b>4.3L/265 V8 (3.750") OHV (CHEVROLET ENGINE)</b>					
Reman.	1957-55	Steel shaft; Exc. Turboglide	Forging #3735236, 3815822, 3836266	BP1044	KBP1044
<b>4.4L/267 V8 (3.500") OHV (CHEVROLET ENGINE)</b>					
Reman.	1982-79	Incl. Canada	Forging #3932442	BP1042	KBP1042
<b>4.6L/283 V8 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1967-64	Cast shaft; Exc. Turboglide	Forging #3849847, 3876764, 3876768	BP1043	KBP1043
Reman.	1967-57	Steel shaft; Exc. Turboglide	Forging #3735236, 3815822, 3836266	BP1044	KBP1044
<b>4.8L/292 L6 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1989-67	w/1/2" flywheel bolt holes	Forging #0363, 2774220, 3299990, 3910363	BP1023	KBP1023
Reman.	1976-63	w/7/16" flywheel bolt holes	Forging #3789412, 3855914, 388606, 3884653	BP1029	KBP1029
<b>4.8L/294 V8 96.01MM (3.780") OHV</b>					
Reman.	2003-00	VIN V; w/.875" thick flywheel flange; Truck	Forging #12553482, 482.	BP1068	KBP1068
Reman.	2000-99	VIN V; w/1.250" thick flywheel flange; Truck	Forging #312.	BP1069	KBP1069
<b>5.0L/305 V6 (4.250") OHV</b>					
Reman.	1973-60	w/3.325" main brg.	Forging #2364418, 2367417, 2454191, 2454192	BP1019	KBP1019
Reman.	1975-73	VIN C; w/3.375" main brg.	Forging #651828, 2475795, 2475796	BP1018	KBP1018
<b>5.0L/305 V8 (3.736") OHV (CHEVROLET ENGINE)</b>					
Reman.	1985-76	w/2 pc. rear seal	Forging #3932442	BP1058 <b>Value Line Crank Kit</b>	KBP1058 <b>KVL1058</b>
Reman.	2000-86	w/1 pc. rear seal & with 1.625" flange.	Forging #14088526, 14088535	BP1005 <b>Value Line Crank Kit</b>	KBP1005 <b>KVL1005</b>
<b>5.0L/307 V8 (3.875") OHV (CHEVROLET ENGINE)</b>					
Reman.	1973-68		Forging #1130, 4672, 3911001, 3941174, 3911001A	BP1045	KBP1045
<b>5.3L/325/5328CC V8 96.0MM (3.78") OHV</b>					
Reman.	2000-99	VIN T; w/1.250" thick flywheel flange; Truck	Forging #215.	BP1071	KBP1071
Reman.	2003-00	VIN T; w/.875" thick flywheel flange; Truck	Forging #12552216, 216.	BP1070	KBP1070
<b>5.3L/327 V8 (4.000") OHV (CHEVROLET ENGINE)</b>					
Reman.	1968-68	w/2.448" main brg.	Forging #1130, 4672, 3911001, 3941174, 3911001A	BP1045	KBP1045
Reman.	1967-62	w/2.298" main brg.	Forging #2680, 4577, 3782680	BP1046	KBP1046
<b>5.7L/350 V8 (4.000") OHV (CHEVROLET ENGINE) (GAS)</b>					
Reman.	1985-68	Cast shaft; w/2 pc. rear seal	Forging #1181, 306275, 306276, 3932442	BP1000 <b>Value Line Crank Kit</b>	KBP1000 <b>KVL1000</b>
Reman.	1985-68	Steel shaft; w/2 pc. rear seal	Forging #1182, 2690	BP1001	KBP1001
Reman.	1996-86	VIN K, M; Cast shaft; w/1 pc. rear seal	Forging #14088526, 14088535, 14088536	BP1002 <b>Value Line Crank Kit</b>	KBP1002 <b>KVL1002</b>
Reman.	1996-86	VIN K, M; Steel shaft; w/1 pc. rear sea	Forging #14088532	BP1003	KBP1003
New	1985-68	Early models w/2 pc. rear seal		C350	KC350
New	1995-86	Late models w/1 pc. rear seal		C350-1	KC350-1
Reman.	2002-96	VIN R; w/ Light weight pistons.	Forging #14088526, 14088535	BP1005 <b>Value Line Crank Kit</b>	KBP1005 <b>KVL1005</b>
<b>5.7L/350 V8 (4.057") OHV (OLDSMOBILE ENGINE) (DIESEL)</b>					
Reman.	1984-78	Diesel	Forging #558711	BP9016	KBP9016
<b>5.7L/351 V6 (4.5625") OH</b>					
Reman.	1972-60	VIN C; w/3.325" main brg.	Forging #651826, 651827, 2475793	BP1030	KBP1030
<b>6.0L/364 V8 101.6MM (4.000") OHV</b>					
Reman.	2000-99	VIN U; w/1.250" thick flywheel flange; Truck	Forging #215. 1.250"	BP1071	KBP1071
Reman.	2003-00	VIN U; w/.875" thick flywheel flange; Truck	Forging #12552216, 216.	BP1070	KBP1070

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>GM TRUCK (Incl. Buick, Cadillac, Chev., GMC, Olds. &amp; Pontiac) -Continued</b>					
<b>6.0L/366 V8 (3.938") OHV (CHEVROLET ENGINE)</b>					
Reman.	1990-66	w/2 pc. rear seal	Forging #6223, 7115, 3863144, 3874874	BP1009	KBP1009
Reman.	1997-91	w/1 pc. rear seal	Forging #10114187A, 6223, 7115	BP1063	KBP1063
<b>6.2L/379 V6 (4.563") OHV</b>					
Reman.	1978-73	Series 60-65	Forging #696029, 696038	BP1031	KBP1031
<b>6.2L/379/6211CC V8 101MM (3.976") OHV (DIESEL)</b>					
Reman.	1991-82	w/2 pc. rear seal	Forging #3904815, 14024236	BP1059	KBP1059
Reman.	1993-92	w/1 pc. rear seal	Forging #23502592	BP1061	KBP1061
<b>6.5L/395/6473CC V8 103MM (4.060") OHV (TURBO AS NOTED) (DIESEL)</b>					
Reman.	2002-92	w/1 pc. rear seal; Incl. Turbo	Forging #23502592	BP1061	KBP1061
<b>6.5L/396 V8 (4.094") OHV (CHEVROLET ENGINE)</b>					
Reman.	1970-66	Cast shaft	Forging #3904815	BP1008	KBP1008
<b>6.6L/400 V8 (4.125") OHV (CHEVROLET ENGINE) SMALL BLOCK</b>					
Reman.	1980-75		Forging #3951527, 3951528, 3951529	BP1007	KBP1007
New	1980-75			C400	KC400
<b>6.6L/401 V6 (4.188") OHV</b>					
Reman.	1972-60	VIN M; w/3.325" main brg.; 7500 Series	Forging #2366209	BP1033	KBP1033
Reman.	1975-73	w/3.375" main brg.; 7500 Series	Forging #652794, 2475794	BP1032	KBP1032
<b>6.6L/402 V8 (4.125") OHV (CHEVROLET ENGINE) BIG BLOCK</b>					
Reman.	1972-70	Cast shaft	Forging #3904815	BP1008	KBP1008
<b>7.0L/427 V8 (4.250") OHV (CHEVROLET ENGINE)</b>					
Reman.	1990-69	Steel shaft	Forging #6223, 7115, 3863144, 3874874	BP1009	KBP1009
Reman.	1997-91	w/1 pc. rear seal	Forging #10114189	BP1062	KBP1062
<b>7.1L/432 V6 (4.875") OHV</b>					
Reman.	1978-73	Series 65-80	Forging #696029, 696038	BP1031	KBP1031
<b>7.4L/454 V8 (4.250") OHV</b>					
Reman.	1990-70	Cast shaft; w/2 pc. rear seal	Forging #3521, 3963523, 3963524 3967463, 3975945, 3975943	BP1006	KBP1006
New	2000-91	Models w/1 pc. rear seal		C454-1	KC454-1
New	1990-70	Models w/2 pc. rear seal	Heavy duty forged	CF454	KCF454
Reman.	2001-91	Cast shaft; w/1 pc. rear seal	Forging #1011 188A	BP1060	KBP1060
New	1990-70	Models w/2 pc. rear seal		C454	KC454
<b>7.8L/478 V6 (5.125") OHV</b>					
Reman.	1972-62	VIN M; w/3.325" main brg.	Forging #2419583, 2454001	BP1034	KBP1034
Reman.	1974-73	VIN M; w/3.375" main brg.; Series 70-80	Forging #696029, 696038	BP1031	KBP1031
<b>HONDA (Also see Acura)</b>					
<b>1.2L/1169CC L4 70MM (2.755") EB1 SOHC</b>					
Reman.	1973-72			BP8001	KBP8001
<b>1.2L/1237CC L4 72MM (2.834") EB2, EB3 SOHC</b>					
Reman.	1979-74	EB, EE; Civic		BP8001	KBP8001
<b>1.3L/1335CC L4 72MM (2.835") EJ1, EN1 SOHC</b>					
Reman.	1983-80	EJ; Civic 1300		BP8002	KBP8002
<b>1.5L/1488CC L4 74MM (2.913") D15A1, D15A2, D15A3, ED1, ED2, ED3, ED4, EM1, EW1, EW2, EW3, EW4 SOHC</b>					
Reman.	1983-75	ED, EC, EM1; Civic 1500		BP8003	KBP8003
Reman.	1987-87	D15A2, D15A23; w/ 1.771" Mains		BP8010	KBP8010A
Reman.	1987-84	D15A1; w/1.653" dia. rod journals & 1.771" mains		BP8012	KBP8012
Reman.	1986-84	EW1; w/1.968" Mains; Civic		BP8010	KBP8010B
Reman.	1987-85	EW3, EW4; w/1.968" Mains; CRX Si, Civic Si		BP8010	KBP8010B
Reman.	1987-87	D15A2, D15A23; w/ 1.771" Mains		BP8012	KBP8012
<b>1.5L/1493CC L4 75MM (2.953") D15B, D15B1, D15B2, D15B6, D15B7, D15B8, D15Z1 SOHC</b>					
Reman.	1991-88	D15B6; w/1.496" rod journals & .944 neck dia.; CRX		BP8026	KBP8026
Reman.	1995-88	D15B1, D15B2, D15B7, D15B8 & D15Z1; w/1.653" rod journals & .865" (22mm) neck dia.		BP8024	KBP8024
Reman.	1995-88	D15B1, D15B2, D15B7, D15B8 & D15Z1; w/1.653" rod journals & .944" (24mm) neck dia.		BP8023	KBP8023
<b>1.6L/1590CC L4 75MM (2.953") D16A1, D16A6, D16Y5, D16Y7, D16Y8, D16Z6 SOHC, DOHC</b>					
Reman.	1995-92	D16Z6; w/.865" (22mm) neck dia.; Civic, Del Sol Si		BP8013	KBP8013
Reman.	1995-92	D16Z6; w/.944" (24mm) neck dia.; Civic, Del Sol Si		BP8014	KBP8014

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>HONDA (Also see Acura) -Continued</b>					
<b>1.6L/1590CC L4 75MM (2.953") D16A1, D16A6, D16Y5, D16Y7, D16Y8, D16Z6 SOHC, DOHC -Continued</b>					
Reman.	2000-96	D16Y5, D16Y7, D16Y8; Civic, Del Sol S, Civic EX VTEC, Del Sol Si, Civic HX		BP8014	KBP8014
Reman.	1991-88	D16A6; w/.865" (22mm) neck dia.; Civic Si, CRX Si		BP8013	KBP8013
Reman.	1991-88	D16A6; w/.944" (24mm) neck dia.; Civic Si, CRX Si		BP8014	KBP8014
<b>1.6L/1595CC L4 81MM (3.189") B16A2, B16A3, B16A4 DOHC VTEC</b>					
Reman.	2000-96	B16A2, B16A3 VTEC; Civic Si		BP8027	KBP8027
Reman.	2000-94	B16A2, B16A3 VTEC; Del Sol		BP8027	KBP8027
<b>1.6L/1599CC L4 74MM (2.913") EF1, EF2 SOHC</b>					
Reman.	1978-76	EF; Accord		BP8004	KBP8004
<b>1.8L/1751CC L4 77MM (3.031") EK1 SOHC</b>					
Reman.	1980-79	w/6-10mm flange holes; Accord, Prelude		BP8006	KBP8006
Reman.	1983-80	w/6-12mm flange holes; Accord, Prelude		BP8005	KBP8005
<b>1.8L/1829CC L4 80MM (3.150") A18A1, ES1, ES2, ES3, ET2 SOHC</b>					
Reman.	1987-83	ES, ES1, ES2, ES3, ET1; w/8-12mm flange holes		BP8007	KBP8007
<b>2.0L/1955CC L4 83MM (3.258") A20A1, A20A3, BS1, BS2, BT SOHC</b>					
Reman.	1989-86	A20A1, A20A3, BT, BS; w/14mm bolt hole in neck; Accord, Prelude		BP8028	KBP8028
Reman.	1989-86	A20A1, A20A3, BT, BS; w/11.5mm bolt hole in neck; Accord, Prelude		BP8007	KBP8007
<b>2.0L/1958CC L4 81MM (3.189") B20A3, B20A5 SOHC, DOHC</b>					
Reman.	1991-88	DOHC; B20A5; w/11mm bolt hole in neck; Prelude		BP8030	KBP8030
Reman.	1990-88	SOHC; B20A3; Prelude		BP8029	KBP8029
Reman.	1991-88	DOHC; B20A5; w/13mm bolt hole in neck; Prelude		BP8009	KBP8009
<b>2.1L/2056CC L4 83MM (3.267") B21A1 DOHC</b>					
Reman.	1991-90	B21A1; w/11mm bolt hole in neck; Prelude		BP8030	KBP8030
Reman.	1991-90	B21A1; w/13mm bolt hole in neck; Prelude		BP8009	KBP8009
<b>2.2L/2156CC L4 85MM (3.346") F22A1, F22A4, F22A6, F22B1, F22B2, F22B6 SOHC</b>					
Reman.	1993-90	F22A1, F22A4, F22A6; w/14mm bolt hole in neck; Accord, Prelude		BP8008	KBP8008
Reman.	1996-94	F22A1; w/16mm bolt hole in neck; Prelude S		BP8019	KBP8019
Reman.	1997-94	F22B1 VTEC, F22B2, F22B6; w/16mm bolt hole in neck; Accord, Odyssey		BP8019	KBP8019
<b>2.6L/2559CC L4 92MM 4ZE1 SOHC (ISUZU ENGINE)</b>					
Reman.	1996-94	4ZE1; Passport		BP5806	KBP5806
<b>2.7L/2675CC V6 87MM (3.425") C27A4 SOHC, DOHC</b>					
Reman.	1997-95	Accord		BP8021	KBP8021
<b>3.2L/3165CC V6 93.5MM 6VD1 SOHC, DOHC (ISUZU ENGINE)</b>					
Reman.	1995-94	6VD1; Passport		BP5812	KBP5812
Reman.	1997-96	6VD1; w/reluctor ring dia. 6-15/16"; Passport		BP5811	KBP5811
Reman.	2000-98	6VD1; w/reluctor ring dia. 7-1/4"; Passport		BP5813	KBP5813
<b>HYUNDAI</b>					
<b>1.5L/1468CC L4 75.5MM (2.972") G4AJ, G4DJ SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1994-90	G4DJ; w/rod journal width of .790"; Excel, Scoupe	Forging #G1	BP6519	KBP6519
Reman.	1989-86	G4AJ; w/rod journal width of .850"; Excel	Forging #G1	BP6514	KBP6514A
<b>1.5L/1494CC L4 75.4MM G4EK SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1993-93	G4EK; Incl. Turbo; Neck of crank is machined flat on 2 sides; Scoupe	Forging #D5. Front seal surface diameter 1.377".	BP6520	KBP6520
Reman.	1995-94	G4EK; Incl. Turbo; Scoupe	Front seal surface diameter 1.377".	BP6521	KBP6521
Reman.	2000-95	w/distributorless ignition; Reluctor ring on crankshaft; Accent		BP6522	KBP6522
<b>1.6L/1595CC L4 82.3MM G4CR DOHC (MITSUBISHI ENGINE)</b>					
Reman.	1995-92	G4CR; Elantra		BP6523	KBP6523B
<b>1.8L/1795CC L4 82MM (3.228") G4DM, G4DN, G4GM DOHC</b>					
Reman.	1999-96	G4DM; w/7 bolt flange; Elantra, Tiburon		BP6518	KBP6518
Reman.	1999-96	G4DM; w/6 bolt flange; Elantra, Tiburon	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
<b>1.8L/1836CC L4 81.5MM (3.209") G4CN DOHC (MITSUBISHI ENGINE)</b>					
Reman.	1995-93	G4CN; w/6 bolt flange; Elantra, Tiburon	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
Reman.	1995-93	G4CN; w/7 bolt flange; Elantra, Tiburon		BP6518	KBP6518
<b>2.0L/1997CC L4 85MM (3.346") G4CP DOHC (MITSUBISHI ENGINE)</b>					
Reman.	1997-91	G4CP; w/7 bolt flange; Sonata		BP6518	KBP6518
Reman.	1998-92	G4CP; w/6 bolt flange; Sonata	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
<b>2.4L/2351CC L4 86.5MM (3.406") G4CS SOHC (MITSUBISHI ENGINE)</b>					
Reman.	1991-89	G4CS; Sonata	Forging #64	BP6525	KBP6525

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>HYUNDAI -Continued</b>					
<b>3.0L/2972CC V6 91.1MM (3.587") G6AT, G6CT SOHC, DOHC (MITSUBISHI ENGINE)</b>					
Reman.	1998-90	G6AT; Sonata	Forging #09N, 19N, 29, 72, 76, 79, T3A, T3B, T3C, T3F, T3L	BP6515	KBP6515
				<b>Value Line Crank Kit</b>	<b>KVL6515</b>
<b>INFINITI (Also see Nissan)</b>					
<b>2.0L/1998CC L4 86MM (3.386") SR20DE DOHC</b>					
Reman.	2000-91	SR20DE; G20	Forging #60J40, 43-D	BP8509	KBP8509
<b>3.0L/2960CC V6 87MM (3.425") VG30DE, VG30E SOHC, DOHC</b>					
Reman.	1992-90	SOHC; VG30E; M30	Forging #30P43	BP8517	KBP8517
Reman.	1997-93	DOHC; VG30DE; J30	Forging #30P43	BP8522	KBP8522
<b>3.0L/2988CC V6 93MM VQ30DE DOHC</b>					
Reman.	2000-96	DOHC; VQ30DE; I30	Forging #31U40	BP8523	KBP8523
<b>4.5L/4494CC V8 93MM (3.661") VH45DE DOHC</b>					
Reman.	1996-90	VH45DE; Q45	Forging #60U41	BP8524	KBP8524
<b>ISUZU</b>					
<b>1.5L/1471CC L4 77MM (3.031") 4XC1, 4XC1T SOHC (TURBO AS NOTED)</b>					
Reman.	1987-85	To 5/87; 4XC1; w/6 bolt flange	Forging #KN8, KN10, 4127, 5330	BP5807	KBP5807
Reman.	1989-87	From 6/87; 4XC1; w/8 bolt flange	Forging #4XC-U, 4XC1-U, 4XC-UT	BP5808	KBP5808
<b>1.6L/1588CC L4 80MM (3.150") 4XE1, 4XE1V, 4XE1W, 4XE1WT SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1989-89	4XE1W; w/1.887" mains	Forging #4XC-U, 4XC1-U, 4XC-UT	BP5808	KBP5808
Reman.	1993-90	4XE1, 4XE1W; Stylus & Impulse. Main journal dia. 2.044"		BP5817	KBP5817
<b>1.8L/1809CC L4 80MM (3.150") 4XF1 DOHC (TURBO AS NOTED)</b>					
Reman.	1993-92	4XF1; Impulse & Stylus		BP5814	KBP5814
<b>1.8L/1817CC L4 84MM (3.307") G180Z SOHC</b>					
Reman.	1985-81	G180Z; I-Mark, Pickup	Forging #M, 202B	BP5804	KBP5804B
<b>1.9L/1949CC L4 87MM (3.430") G200Z SOHC</b>					
Reman.	1985-83	G200Z; Impulse, Pickup, Trooper II	Forging #M, 202B	BP5804	KBP5804A
Reman.	1987-86	G200Z; Impulse, Pickup, Trooper II		BP5809	KBP5809
<b>2.0L/1994CC L4 88MM (3.460") 4ZC1 SOHC (TURBO AS NOTED)</b>					
Reman.	1989-85	VIN 4ZC1; Impulse Turbo	Exhaust	BP5818	KBP5818
<b>2.2L/2156CC L4 85MM (3.346") F22B6 SOHC</b>					
Reman.	1997-96	F22B6; Oasis		BP8019	KBP8019
<b>2.2L/2189CC L4 89MM (3.5039") LN2 OHV (GMC ENGINE)</b>					
Reman.	1997-96	Hombre'	Forging #L3, 1237, 4618	BP1028	KBP1028A
				<b>Value Line Crank Kit</b>	<b>KVL1028A</b>
Reman.	2000-98	Hombre'	Forging #1237, L3, 4618	BP1066	KBP1066
<b>2.2L/2238CC L4 88MM (3.465") C223, C223T OHV (TURBO AS NOTED) (DIESEL)</b>					
Reman.	1987-80	C223; Non-Turbo	Forging #AI, AJ, BC	BP5810	KBP5810A
<b>2.3L/2254CC L4 89.3MM (3.516") 4ZD1 SOHC</b>					
Reman.	1995-86	4ZD1; Amigo; Impulse Non-Turbo; Pickup; Trooper II		BP5805	KBP5805
<b>2.6L/2559CC L4 92.6MM (3.646") 4ZE1 SOHC</b>					
Reman.	1994-88	4ZE1; Amigo, Pickup, Rodeo, Trooper II		BP5806	KBP5806
Reman.	1997-95	4ZE1; w/bolt on sensor ring at the rear main journal; Pickup, Trooper II, Amigo, Rodeo		BP5815	KBP5815
<b>2.8L/2827CC V6 89MM (3.504") LL2 OHV (CHEVROLET ENGINE)</b>					
Reman.	1991-89	Trooper II	Forging #337, 481, 526	BP1037	KBP1037
<b>3.1L/3137CC V6 89MM (3.504") CPC OHV (CHEVROLET ENGINE)</b>					
Reman.	1994-91	Pickup, Rodeo	Forging #186, 268, 981	BP1039	KBP1039
				<b>Value Line Crank Kit</b>	<b>KVL1039</b>
<b>3.2L/3165CC V6 93.5MM 6VD1, 6VD2 SOHC, DOHC</b>					
Reman.	1995-92	6VD1; Trooper, Rodeo		BP5812	KBP5812
Reman.	1997-96	6VD1; w/reluctor ring dia. 6-15/16"; Trooper, Rodeo		BP5811	KBP5811
Reman.	2000-98	6VD1-W; w/reluctor ring dia. 7-1/4"; Amigo, Rodeo		BP5813	KBP5813
<b>3.5L/3500CC V6 (3.678") 6VE1 DOHC</b>					
Reman.	2000-98	VIN X; 6VE1; Trooper, Vehicross		BP5816	KBP5816
<b>JEEP (Also see American Motors, Chrysler &amp; Eagle)</b>					
<b>2.2L/134 L4 (3.125") F-HEAD, L-HEAD</b>					
Reman.	1972-46	w/timing gears, w/straight flywheel pins; Jeep, Willys	Forging #641127, 646318	BP6060	KBP6060
Reman.	1972-46	w/timing gears, w/tapered flywheel pins; Jeep, Willys	Forging #641127, 646318	BP6061	KBP6061

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>JEEP (Also see American Motors, Chrysler &amp; Eagle) -Continued</b>					
<b>2.5L/150 L4 98.4MM (3.875") OHV (AMC ENGINE) (INCLUDES 2.46L)</b>					
Reman.	1986-83	w/10mm bolt flange	Forging #3239611, 3239811	BP6068	KBP6068
Reman.	1990-87	w/11mm bolt flange & 2" snout	Forging #33002904	BP6076	KBP6076
Reman.	2002-91	w/11mm bolt flange & 2" snout	Forging #904, 8933002904	BP6075	KBP6075
<b>2.5L/151 L4 101.6MM (4.000") OHV (PONTIAC ENGINE)</b>					
Reman.	1983-80	Auto trans.	Forging #684, 777	BP4046	KBP4046
Reman.	1983-80	Man. trans.	Forging #684, 777	BP4069	KBP4069
<b>2.8L/173/2835CC V6 89MM (3.504") OHV (CHEVROLET ENGINE)</b>					
Reman.	1986-84	w/2.494" main brg.	Forging #264, 504	BP1011	KBP1011
				<b>Value Line Crank Kit</b>	<b>KVL1011</b>
Reman.	1987-84	w/2.648" main brg.	Forging #817	BP1035	KBP1035
				<b>Value Line Crank Kit</b>	<b>KVL1035</b>
<b>3.7L/225 V6 95.25MM (3.750") OHV (BUICK ENGINE)</b>					
Reman.	1971-66		Forging #1255645, 1255648, 1357898, 1378351, 1378354	BP5050	KBP5050
<b>3.8L/232 L6 95.25MM (3.750") OHV (AMC ENGINE)</b>					
Reman.	1971-65	w/flat flange	Forging #3172218, 3188947, 3204904	BP6064	KBP6064
Reman.	1979-72	w/centering ring	Forging #3214722	BP6063	KBP6063
<b>4.0L/242 L6 98.4MM (3.875") OHV (AMC ENGINE)</b>					
Reman.	1990-87	w/Offset tabs in main brg.	Forging #3003453, 53020767, 6003453	BP6073	KBP6073
Reman.	1995-91	w/tabs in center of main brg.	Forging #3003453, 53020767, 6003453	BP6072	KBP6072
Reman.	2001-96	w/Auto trans. & w/o rod throw protrusion	Forging #53010411, 53020767	BP6078	KBP6078
<b>4.2L/258 L6 95.25MM (3.750") OHV (AMC ENGINE)</b>					
Reman.	1972-71	w/flat flange	Forging #3199738C, RD67703	BP6067	KBP6067
Reman.	1980-72	w/centering ring	Forging #3214723	BP6066	KBP6066
Reman.	1988-81	w/o serpentine belt w/2-1/2" snout	Forging #3235477, 3214723	BP6065	KBP6065
Reman.	1990-87	w/serpentine belt w/2" snout	Forging #727, 3727	BP6074	KBP6074
<b>4.7L/287 V8 93MM (3.661") SOHC (CHRYSLER ENGINE)</b>					
Reman.	2002-99	VIN N; Grand Cherokee	Forging #53020683	BP3041	KBP3041
<b>5.0L/304 V8 (3.750") OHV (AMC ENGINE)</b>					
Reman.	1971-70	w/flat flange	Forging #RD51261, 3195292, 4487237	BP6070	KBP6070
Reman.	1981-72	w/centering ring	Forging #3213754, 3214724	BP6069	KBP6069
<b>5.2L/318 V8 99.3MM (3.910") OHV (CHRYSLER ENGINE)</b>					
Reman.	1998-93	Cast shaft; w/6 bolt flange	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	BP3031	KBP3031A
<b>5.7L/350 V8 96.52MM (3.800") OHV (BUICK ENGINE)</b>					
Reman.	1971-68		Forging #1235419, 1375809, 1378346	BP5063	KBP5063
<b>5.9L/360 V8 103.6MM (4.080") OHV (AMC ENGINE)</b>					
Reman.	1971-70	w/flat flange	Forging #RD51261, 3195292, 4487237	BP6070	KBP6070
Reman.	1991-72	w/centering ring	Forging #3213754, 3214724	BP6069	KBP6069
<b>5.9L/360 V8 101.6MM (4.000") OHV (CHRYSLER ENGINE)</b>					
Reman.	2001-98	VIN Z; Grand Cherokee	Forging #3418640, 3418995, 4027169	BP3032	KBP3032B
<b>6.6L/401 V8 (4.165") OHV (AMC ENGINE)</b>					
Reman.	1978-74	w/centering ring	Forging #3213752, 3214725, 3220411	BP6071	KBP6071
<b>KIA</b>					
<b>1.6L/1597CC L4 78MM B6 SOHC, DOHC (MAZDA ENGINE)</b>					
Reman.	1997-93	B6 Sephia	Forging #B61X, B630, B657	BP2814	KBP2814
<b>1.8L/1839CC L4 83MM BP DOHC (MAZDA ENGINE)</b>					
Reman.	1997-95	BPD Sephia	Forging #BP, BP02	BP2816	KBP2816
<b>2.0L/1998CC L4 86MM DOHC</b>					
Reman.	2000-95	DOHC; Sportage	Forging #FE50	BP2820	KBP2820
<b>LEXUS (Also see Toyota)</b>					
<b>2.5L/153/2507CC V6 87.5MM (3.445") 2VZFE DOHC</b>					
Reman.	1991-90	w/1.889" rod journal; ES250		BP7035	KBP7035
<b>3.0L/180/2959CC V6 87.5MM (3.445") 3VZFE DOHC</b>					
Reman.	1993-92	3VZFE; w/2.165" rod journal, neck length 2.525"; ES300		BP7037*	KBP7037*
<b>3.0L/183/2995CC V6 87.5MM (3.445") 1MZFE DOHC</b>					
Reman.	2000-94	1MZFE; w/2.087" rod journal; ES300		BP7038	KBP7038

\* CAUTION; Failure to line bore block before installation of this crankshaft will void warranty.

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# Blueprint Series Crankshafts

## Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>LEXUS (Also see Toyota) -Continued</b>					
<b>3.0L/184/2997CC L6 86MM (3.386") 2JZGE, 2JZGTE DOHC (TURBO AS NOTED)</b>					
Reman.	1997-92	2JZGE, 2JZGTE; SC300, GS300		BP7047	KBP7047
<b>4.5L/4476CC L6 100MM (3.937") 1FZFE DOHC (TOYOTA ENGINE)</b>					
Reman.	1996-96	1FZFE; LX450		BP7049	KBP7049
<b>MAZDA</b>					
<b>1.3L/1272CC L4 73MM (2.874") TC SOHC</b>					
Reman.	1980-76	TC; w/2.479" main brg. journal	Forging #0324	BP2804	KBP2804
Reman.	1980-76	TC; w/1.968" main brg. journal	Forging #8034	BP2805	KBP2805
<b>1.4L/1415CC L4 77MM UC SOHC</b>					
Reman.	1980-79		Forging #8034	BP2805	KBP2805
<b>1.5L/1489CC L4 75.3MM Z5DE DOHC</b>					
Reman.	1998-95	Z5; Protege	Forging #301, A301, B301	BP2818	KBP2818
<b>1.5L/91/1490CC L4 77MM (3.031") D5, E5 SOHC</b>					
Reman.	1985-81	E5	Forging #E501	BP2806	KBP2806
<b>1.6L/1597CC L4 78MM (3.070") B6, B6E, B6ZE SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1994-86	SOHC; B6; Neck approx. 7/8" long & .865" dia.; 323	Forging #B616, B630	BP2809	KBP2809
Reman.	1993-88	DOHC; B6E; Neck approx. 1-3/4" long & .865" dia.; 323GT Turbo, Miata	Forging #B616	BP2810	KBP2810
Reman.	1995-92	B6; Neck approx. 1-1/4" long & 1.065" dia.; 323GT, Miata, MX3	Forging #B61X, B630, B657	BP2814	KBP2814
<b>1.8L/1796CC L4 78MM (3.071") VB SOHC</b>					
Reman.	1978-72	VB	Forging #0290, LH	BP2800	KBP2800
<b>1.8L/1839CC L4 83MM (3.268") BP SERIES SOHC, DOHC</b>					
Reman.	1993-90	BP; w/.865" snout dia.; Protege, Miata	Forging #BP, BP01	BP2815	KBP2815
Reman.	2000-94	BP; w/1.065" snout dia.; Protege, Miata	Forging #BP, BP02	BP2816	KBP2816
<b>1.8L/1844CC V6 75MM (2.953") K8ZE DOHC</b>					
Reman.	1994-92	MX3		BP2822	KBP2822
<b>2.0L/1970CC L4 80MM (3.150") MA SOHC</b>					
Reman.	1984-79	MA; B2000	Forging #3975, U975	BP2801	KBP2801
Reman.	1985-83	626	Forging #FE01, FE50	BP2807	KBP2807A
Reman.	1982-79	MA; 626	Forging #3975, U975	BP2801	KBP2801
<b>2.0L/1991CC L4 83MM (3.268") FS DOHC</b>					
Reman.	1994-93	626, MX6	Forging #FS, FS07, 15	BP2821	KBP2821
<b>2.0L/1998CC L4 86MM (3.386") FE SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1987-83	From 4/87; FE; Incl. Turbo; w/6 tapped holes in flange; B2000; 626	Forging #FE01, FE50	BP2807	KBP2807C
Reman.	1987-83	To 3/87; FE; Incl. Turbo; w/6 tapped holes in flange; B2000; 626	Forging #FE01, FE50	BP2807	KBP2807B
<b>2.2L/2184CC L4 86MM (3.386") F2 SOHC (TURBO AS NOTED)</b>					
Reman.	1993-87	F2; Incl. Turbo; B2200; 626; MX6	Forging #F201	BP2808	KBP2808
<b>2.3L/2255CC V6 80.3MM (3.161") KJ DOHC</b>					
Reman.	2000-95	Millenia	Forging #F6, JLKJ, KLO1, E1. Crankshaft has tapered neck.	BP2823	KBP2823
<b>2.5L/2497CC V6 84.5MM KL DOHC</b>					
Reman.	1997-93	KL; Millenia, 626, MX6	Forging #J2	BP2824	KBP2824
<b>2.6L/2606CC L4 92MM (3.622") G6 SOHC</b>					
Reman.	1994-89	G6; B2600i, MPV	Forging #G601, G6	BP2825	KBP2825
<b>3.0L/2954CC V6 90MM (3.543") JE, JED, JEE, JE27, JE48 SOHC, DOHC</b>					
Reman.	1998-88	JE; Exc. DOHC; w/o oil pump drive block on neck	Forging #JE	BP2811	KBP2811
Reman.	1998-88	JE; Exc. DOHC; w/3/8" oil pump drive block on neck	Forging #JE	BP2812	KBP2812
Reman.	1998-88	JE; Exc. DOHC; w/3/4" oil pump drive block on neck	Forging #JE	BP2813	KBP2813
<b>3.0L/2999CC V6 89MM (3.504") 8U OHV (FORD ENGINE) VULCAN</b>					
Reman.	1999-94	B3000	Forging #E6AE-AE, E6AE-HF, RFE6AE-AH	BP2029	KBP2029
<b>4.0L/244/4016CC V6 100.4MM (3.953") 8X, ZZL OHV (FORD ENGINE)</b>					
Reman.	1994-90	w/6 bolt flange; w/5/8" keyway	Forging #90TTM6303AB	BP2802	KBP2802
Reman.	1996-95	w/6 bolt flange; w/1-1/8" keyway	Forging #C94HA, 96TM6303AA	BP2803	KBP2803
<b>MITSUBISHI</b>					
<b>1.4L/1410CC L4 74MM 4G12, G12B SOHC</b>					
Reman.	1984-78	G12B; w/1.030" OD hole in flywheel end of crankshaft	Forging #G1	BP6501	KBP6501A
<b>1.5L/1468CC L4 75.5MM (2.972") 4G15, G4AJ, G4DJ, G15B SOHC</b>					
Reman.	1990-85	G15B; w/rod journal width of .850"; Mirage, Precis	Forging #G1	BP6514	KBP6514B
Reman.	2000-91	4G15, G15B; w/rod journal width of .790"; Mirage, Precis	Forging #G1	BP6519	KBP6519

# Blueprint Series Crankshafts

**Domestic/Import -Continued**



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>mitsubishi -Continued</b>					
<b>1.6L/1597CC L4 76.9MM (3.028") 4G32, 4G32T, G32B, G32BT SOHC (TURBO AS NOTED)</b>					
Reman.	1988-85	G32; w/Auto trans.	Forging #31	BP6503	KBP6503
Reman.	1988-85	G32; w/Man. trans.	Forging #31	BP6504	KBP6504
<b>1.8L/1755CC L4 80.65MM 4G37 SOHC</b>					
Reman.	1994-89	Auto trans.; Eclipse	Forging #31	BP6503	KBP6503
Reman.	1994-89	Man. trans.; Eclipse	Forging #31	BP6504	KBP6504
<b>1.8L/1795CC L4 80.6MM (3.176") G62B SOHC (TURBO AS NOTED)</b>					
Reman.	1984-83	Incl. Turbo; w/1" snout; Cordia, Tredia	Forging #7, 77, 78, LC, LU	BP6516	KBP6516
Reman.	1988-84	Incl. Turbo; w/1-1/2" snout; Cordia, Tredia	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
<b>1.8L/1834CC L4 81MM 4G93 SOHC</b>					
Reman.	1996-92	Expo, Mirage		BP6526	KBP6526
<b>2.0L/1997CC L4 85MM (3.347") 4G63, G63B SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1984-83	G63B; w/6 bolt flange; w/1" snout	Forging #7, 77, 78, LC, LU	BP6516	KBP6516
Reman.	1999-93	4G63; Incl. Turbo; w/7 bolt flange; w/#3 main thrust 1.004"		BP6518	KBP6518
Reman.	1992-83	4G63, G63B; w/6 bolt flange; w/1-1/2" snout	Forging #7, 77, 78, LC, LU	BP6517	KBP6517
<b>2.0L/122/1996CC L4 87.5MM (3.445") A420, A588, ECC DOHC (CHRYSLER ENGINE)</b>					
Reman.	1999-96	DOHC; Eclipse	Forging #4667755, 4556721	BP3042	KBP3042
Reman.	1995-95	DOHC; Eclipse	Forging #4667755	BP3040	KBP3040
<b>2.4L/2351CC L4 86.5MM (3.406") 4G64, G64B SOHC, DOHC</b>					
Reman.	1992-85	Galant, Van, Pickup, Expo	Forging #64	BP6525	KBP6525
Reman.	1994-93	4G64; Expo, Galant, Pickup	Forging #G-ASI	BP6527	KBP6527
Reman.	2000-95	4G64; Expo, Eclipse, Galant, Pickup, Montero Sport	Forging #AT1, K	BP6528	KBP6528
<b>2.6L/2555CC L4 91MM (3.583") 4G54, G54B SOHC</b>					
Reman.	1989-83	G54; Incl. Turbo	Forging #G54	BP6511	KBP6511
				<b>Value Line Crank Kit</b>	<b>KVL6511</b>
<b>3.0L/181/2972CC V6 91.1MM (3.587") 6G72 SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	2000-88	6G72 Non-Turbo.	Forging #09N, 19N, 29, 72, 76, 79, T3A, T3B, T3C, T3F, T3L	BP6515	KBP6515
				<b>Value Line Crank Kit</b>	<b>KVL6515</b>
Reman.	2000-91	DOHC; Steel shaft; 3000 GT Turbo	Forging #72, E1, P1, TDC	BP6530	KBP6530
<b>3.5L/3497CC V6 93MM 6G74 SOHC, DOHC</b>					
Reman.	1994-94	6G74; w/rod journal dia. 2.283"; Montero	Forging #AON, B, 45	BP3023	KBP3023
Reman.	2000-94	6G74; w/rod journal dia. 2.165"; Montero	Forging #94062803G4, 74K1	BP6529	KBP6529
<b>NAVISTAR/IHC TRUCK</b>					
<b>3.8L/232 L6 (3.750") 6-232 OHV (AMC ENGINE)</b>					
Reman.	1971-69	w/flat flange	Forging #3172218, 3188947, 3204904	BP6064	KBP6064
Reman.	1972-72	w/centering ring	Forging #3214722	BP6063	KBP6063
<b>4.2L/258 L6 (3.750") 6-258 OHV (AMC ENGINE)</b>					
Reman.	1972-69	w/flat flange	Forging #3199738C, RD67703	BP6067	KBP6067
Reman.	1976-72	w/centering ring	Forging #3214723	BP6066	KBP6066
<b>5.0L/304 V8 (3.875") V304, V304E OHV</b>					
Reman.	1980-59		Forging #151045-R1, 151046-R1, 391930-C1	BP6801	KBP6801
<b>5.6L/345 V8 (3.875") V345, V345E OHV</b>					
Reman.	1984-59		Forging #151327, 151328	BP6802	KBP6802
<b>6.4L/392 V8 (4.125") V392, V392E OHV</b>					
Reman.	1984-62		Forging #151327, 151328	BP6802	KBP6802
<b>6.6L/401 V8 (4.125") V401, VS401</b>					
Reman.	1976-72	w/centering ring; Scout	Forging #3213752, 3214725, 3220411	BP6071	KBP6071
<b>6.6L/404 V8 (4.125") MV404</b>					
Reman.	1985-75		Forging #446766C	BP6803	KBP6803
<b>7.3L/446 V8 (4.125") C446, MV446</b>					
Reman.	1985-75		Forging #446530, 446530-C1	BP6804	KBP6804
<b>7.8L/478 V8 (4.500") V478, VS478</b>					
Reman.	1976-56		Forging #133440-R, R1, R3, 289878-C1	BP6805	KBP6805
<b>9.0L/549 V8 (4.500") FTV549, FTV549, V549, VS549</b>					
Reman.	1976-61		Forging #133441-R1, R3, 133894-R, R1, R3	BP6806	KBP6806
<b>NISSAN/DATSUN (Also see Infinity)</b>					
<b>1.2L/1171CC L4 73MM (2.874") A12 OHV</b>					
Reman.	1973-71	B110, 1200	Forging #H1040	BP8500	KBP8500

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>NISSAN/DATSUN (Also see Infinity) -Continued</b>					
<b>1.2L/1237CC L4 75MM (2.953") A12A OHV</b>					
Reman.	1982-80	210, 310	Forging #H1040	BP8501	KBP8501
<b>1.4L/1397CC L4 76MM (2.992") A14 OHV</b>					
Reman.	1982-75	F10, 210, B210, 310	Forging #H6240, H8940	BP8502	KBP8502
<b>1.5L/1487CC L4 76MM (2.993") A15 OHV</b>					
Reman.	1981-79	A15; 310	Forging #H97, H9740	BP8503	KBP8503
<b>1.5L/1487CC L4 76MM (2.993") E15, E15ET, E15S, E15T SOHC (TURBO AS NOTED)</b>					
Reman.	1984-82	E15; 310, Sentra	Forging #11M, 17M	BP8504	KBP8504
<b>1.6L/1595CC L4 83MM (3.268") L16 SOHC</b>					
Reman.	1973-67	510, 521, 620	Forging #2340, 23040	BP8505	KBP8505
<b>1.6L/1597CC L4 78MM (3.071") CA16, SOHC, DOHC</b>					
Reman.	1987	Pulsar SE; Flywheel flange has eight bolt holes	Forging #D4240	BP8530	KBP8530
<b>1.6L/1597CC L4 76MM (2.992") E16, E16I, E16S SOHC</b>					
Reman.	1988-83	E16, E16I, E16S; Sentra, Pulsar	Forging #31M	BP8513	KBP8513
<b>1.6L/1597CC L4 76MM (2.992") GA16, GA16DE, GA16I SOHC, DOHC</b>					
Reman.	2000-89	GA16, GA16i, GA16DE; 200SX, NX, Pulsar, Sentra	Forging #26-2, 40-2, 77A5	BP8508	KBP8508
<b>1.8L/1770CC L4 85MM (3.347") L18 SOHC</b>					
Reman.	1974-73	610, 710	Forging #A874	BP8506	KBP8506
<b>1.8L/1809CC L4 83MM (3.268") DOHC, CA18DE, CA18ET, SOHC (TURBO AS NOTED)</b>					
Reman.	1989-88	CA18DE; Pulsar SE; Flywheel flange has eight bolt holes	Forging #D4240	BP8530	KBP8530
Reman.	1987-84	CA18ET; 200SX Turbo; Flywheel flange has six bolt holes	Forging #D0242	BP8529	KBP8529
<b>2.0L/1952CC L4 85MM (3.347") L20B SOHC</b>					
Reman.	1979-74	200SX, 510, 610, 620, 710, 720	Forging #U6040	BP8507	KBP8507
Reman.	1986-80	Z20E; 200SX, 510, 610, 620, 710, 720	Forging #U6040	BP8507	KBP8507
<b>2.0L/1974CC L4 84.5MM (3.327") CA20E, CA20S SOHC</b>					
Reman.	1989-82	CA20E, CA20S; Stanza, Stanza Wagon, 200SX	Forging #D1742, 57E40	BP8525	KBP8525
<b>2.0L/122/1998CC L4 86MM SR20DE DOHC</b>					
Reman.	2000-91	620, Sentra, 200SX	Forging #60J40, 43-D	BP8509	KBP8509
<b>2.2L/2187CC L4 87MM (3.425") Z22, Z22E, Z22S SOHC</b>					
Reman.	1983-81	Z22	Forging #M90, OGW, 90-21-0	BP8512	KBP8512
<b>2.4L/2389CC L4 89MM (3.500") Z24, Z24I, Z24S SOHC</b>					
Reman.	1989-83	Z24; 720, D21, Cargovan, Pathfinder	Forging #30W, 30W40, 30W41, 30W42	BP8515	KBP8515
<b>2.4L/2389CC L4 89MM (3.504") KA24E, KA24DE SOHC, DOHC</b>					
Reman.	2000-89	KA24E, KA24DE; w/2 keyways, w/centering ring	Forging #30R	BP8514	KBP8514
Reman.	2000-89	KA24E, KA24DE; w/3 keyways, w/o centering ring	Forging #86G	BP8519	KBP8519
Reman.	2000-89	KA24E, KA24DE; w/3 keyways, w/centering ring	Forging #40F	BP8520	KBP8520
Reman.	2000-89	KA24E, KA24DE; w/2 keyways, w/o centering ring	Forging #86G	BP8521	KBP8521
<b>2.4L/2393CC L6 83MM (3.267") L24, L24E SOHC</b>					
Reman.	1982-70	To 7/82; L24; w/1.968" rod journals	Forging #E3141, E3142	BP8510	KBP8510
Reman.	1984-82	From 7/82; w/main journal dia. of 1.770"	Forging #W3140	BP8526	KBP8526
<b>2.8L/2753CC L6 86MM (3.386") L28, L28E, L28T SOHC (TURBO AS NOTED)</b>					
Reman.	1983-75	L28E; 280Z, 280ZX	Forging #P3040	BP8511	KBP8511
<b>3.0L/2960CC V6 87MM (3.425") V30E, VE30DE, VG30, VG30D, VG30DE, VG30DETT, VG30DTT, VG30E SOHC, DOHC (TURBO AS NOTED)</b>					
Reman.	1987-84	To 4/87; VG30; w/1 keyway & snout length of 1-3/4"		BP8516	KBP8516
Reman.	1996-87	From 4/87; SOHC; VG30 w/2 keyway & w/.985" dia. snout & length of 2-3/8"	Forging #30P43	BP8517	KBP8517
Reman.	1996-90	DOHC; VG30DE; w/8 bolt flange; w/2 keyways w/1.262" dia. snout	Forging #30P43	BP8522	KBP8522
Reman.	1998-96	VG30E; w/6 bolt flange; 2 keyways w/1.262" dia. snout; Quest		BP8518	KBP8518
Reman.	1994-91	DOHC; VE30DE; w/8 bolt flange; w/3 keyways; incl. a bolt on counterweight; Maxima	Forging #30P43	BP8527	KBP8527
<b>3.0L/2998CC V6 93MM (3.661") VQ30DE DOHC</b>					
Reman.	2001-95	DOHC; VQ30DE; Maxima	Forging #31U40	BP8523	KBP8523
<b>3.3L/180/3274CC V6 93MM VG33E SOHC</b>					
Reman.	2000-96	VG33E; Pathfinder		BP8528	KBP8528
Reman.	2000-99	VG33E; Quest, Frontier, Xterra		BP8528	KBP8528
<b>RENAULT (Also see American Motors &amp; Eagle)</b>					
<b>1.4L/85/1397CC L4 76MM (2.990") C3J, 847 OHV</b>					
Reman.	1987-83	Alliance, Encore	Forging #267	BP6077	KBP6077

# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>SATURN</b>					
<b>1.9L/116/1901CC L4 (3.230") SOHC, DOHC</b>					
Reman.	1992-91	Firing notch even with cast window	Forging #210008673, 210005833, 21000883	BP1700	KBP1700
Reman.	1997-93	Firing notch over cast window; 10 degree advanced reluctor wheel	Forging #210008673, 210005833, 21000883	BP1701	KBP1701
Reman.	2000-98	Fully counterweighted crank; Ignition notches 1" from casting line	Forging #2100757AA2, 210092355	BP1702	KBP1702
<b>2.2L/134/2189CC L4 86MM L61 DOHC</b>					
Reman.	2002-00	VIN F; DOHC; L61; Saturn		BP1703	KBP1703
<b>3.0L/181/2962CC L4 86MM (3.386") L81 DOHC</b>					
Reman.	2002-00	VIN R	Forging #12555-089	BP1704	KBP1704
<b>SUBARU</b>					
<b>1.8L/1820CC H4 88MM EJ18, EH18E, EJ18E SOHC</b>					
Reman.	1996-93	EJ18E; Impreza		BP8400	KBP8400
<b>2.2L/2212CC H4 96.9MM (3.815") EJ222, EJ22E, EJ22EZ, EJ22T SOHC (TURBO AS NOTED)</b>					
Reman.	1996-90	EJ22; Impreza, Legacy, Outback		BP8400	KBP8400
<b>SUZUKI</b>					
<b>1.0L/993CC L3 74MM G10, G10T SOHC (TURBO AS NOTED)</b>					
Reman.	1997-85		Forging #K	BP1801	KBP1801
<b>1.3L/1298CC L4 74MM G13K, G13BA, G13BB SOHC, DOHC</b>					
Reman.	2000-89	G13K, G13BB, G13BA; w/5 bolt flange		BP1804	KBP1804
<b>1.3L/1324CC L4 74MM G13A SOHC</b>					
Reman.	1989-86	G13A; Samurai, Sidekick	Forging #043	BP1805	KBP1805
<b>1.6L/1590CC L4 75MM G16KC, G16KV SOHC</b>					
Reman.	1990-89	G16KC; w/3/4" nose length		BP1806	KBP1806
Reman.	2001-91	G16K, G16KC, G16KV; w/1" nose length	Forging #LN917, 216	BP1802	KBP1802
<b>TOYOTA (Also see Lexus)</b>					
<b>1.2L/1166CC L4 75MM (2.953") 3K OHV</b>					
Reman.	1979-69	3K, 3KC; Corolla 1200 Series	Forging #3K, R14, L13	BP7010	KBP7010
<b>1.3L/1290CC L4 75MM (2.952") 4K, 4KE OHV</b>					
Reman.	1984-81	4KE, 4KC; Starlet	Forging #4K	BP7011	KBP7011
<b>1.5L/1452CC L4 77.5MM (3.501") 1A, 3AC SOHC</b>					
Reman.	1983-80	To 10/83; w/offset tabs in main brg.	Forging #1K	BP7012	KBP7012
Reman.	1983-80	To 10/83; w/tabs in center of main brg.	Forging #1K	BP7015	KBP7015
Reman.	1988-83	From 10/83	Forging #1A, 3A, 5A	BP7024	KBP7024
<b>1.5L/1456CC L4 73MM (2.874") 3E, 3EE SOHC</b>					
Reman.	1994-87	3E, 3EE	Forging #3E	BP7025	KBP7025
<b>1.5L/1497CC L4 74MM (3.189") 5EFE DOHC</b>					
Reman.	1999-92	5EFE; Paseo, Tercel	Forging #3E	BP7025	KBP7025
<b>1.6L/1587CC L4 81MM (3.189") 4AC, 4AF, 4AFE, 4AGE, 4AGEC, 4AGELC, 4AGZE, 4ALC SOHC, DOHC</b>					
Reman.	1987-85	4AGEC, 4AGELC; w/8 bolt flange w/1.574" rod dia.; Corolla FS, Corolla GTS, MR2		BP7029	KBP7029
Reman.	1991-88	4AGE, 4AGELC, 4AGZE; w/8 bolt flange; w/1.653" rod dia.; Corolla FS, Corolla GTS, MR2		BP7030	KBP7030
Reman.	1997-88	4AF, 4AFE; w/6 bolt flange; Celica ST, Corolla	Forging #1A, 3A, 5A	BP7024	KBP7024
Reman.	1983-83	To 10/83; 4AC, 4ALC; w/6 bolt flange; Corolla	Forging #1K	BP7015	KBP7015
Reman.	1988-83	From 11/83; 4AC, 4ALC; w/6 bolt flange; Corolla	Forging #1K	BP7012	KBP7012
<b>1.6L/1588CC L4 85MM (3.346") 2T, 2TC, 2TE OHV</b>					
Reman.	1979-71	2TC; w/thrust washers		BP7013	KBP7013
<b>1.8L/1762CC L4 81MM (3.189") 7AFE DOHC</b>					
Reman.	1997-93	7AFE; Celica, Corolla		BP7041	KBP7041
<b>1.8L/1770CC L4 85MM (3.350") 3T, 3TC OHV</b>					
Reman.	1982-80	3TC		BP7014	KBP7014
<b>1.8L/1794CC L4 79MM (3.110") 1ZZFE DOHC</b>					
Reman.	2000-98	1ZZFE; Corolla, Celica, MR2		BP7042	KBP7042
<b>1.9L/1858CC L4 86MM (3.386") 8RC SOHC</b>					
Reman.	1971-69	8RC; w/flanged brg.	Forging #C-1-K, L-1-M, 4-1-R	BP7016	KBP7016
<b>2.0L/1968CC L4 88.5MM (3.485") 18R, 18RC SOHC</b>					
Reman.	1974-72	18RC; w/flanged brg.	Forging #C-1-K, L-1-M, 4-1-R	BP7016	KBP7016
<b>2.0L/1995CC L4 84MM (3.307") 2SEL SOHC</b>					
Reman.	1986-83	2SEL; Camry, Celica		BP7043	KBP7043
<b>2.0L/1998CC L4 86MM (3.386") 3YEC OHV</b>					
Reman.	1985-84	3Y, 3YEC, Z21	Forging #3Y, Z21	BP7022	KBP7022

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# Blueprint Series Crankshafts

Domestic/Import -Continued



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>TOYOTA (Also see Lexus) -Continued</b>					
<b>2.0L/1998CC L4 86MM (3.386") 3SFE, 3SGELC, 3SGTE DOHC (TURBO AS NOTED)</b>					
Reman.	1988-86	3SFE; w/6 bolt flange; w/3.346" rear seal dia.; 10mm bolt holes		BP7026	KBP7026
Reman.	1991-86	3SFE, 3SGELC; w/8 bolt flange; w/3.347" rear seal dia.; 10mm bolt holes		BP7027	KBP7027
Reman.	1995-88	3SGTE; w/8 bolt flange; w/3.512" rear seal dia. steel shaft; 12mm bolt holes		BP7028	KBP7028
Reman.	2000-96	3SFE; RAV 4; 2.047" rod journal diameter		BP7044	KBP7044
Reman.	1995-90	w/6 bolt flange; w/3.504" rear surface dia.; Celica, MR2		BP7045	KBP7045
<b>2.2L/2164CC L4 87MM (3.425") 5SFE DOHC (TURBO AS NOTED)</b>					
Reman.	1993-90	5SFE; Exc. Balance shaft		BP7031	KBP7031
Reman.	1994-92	To 5/94; 5SFE; w/Balance shaft gear next to #2 main; w/63 tooth press on gear		BP7032	KBP7032
Reman.	2000-94	From 6/94; 5SFE; w/Balance shaft gear next to #2 main; w/44 tooth press on gear		BP7040	KBP7040
<b>2.2L/2189CC L4 88.5MM (3.484") 20R SOHC</b>					
Reman.	1980-75	20R; Celica, Corona, Pickup	Forging #L1, N	BP7017	KBP7017
<b>2.2L/2237CC L4 91MM (3.583") 4Y, 4YEC OHV</b>					
Reman.	1990-86	4YEC; Van	Forging #3Y, Z21	BP7022	KBP7022
<b>2.3L/2253CC L6 75MM (2.952") 2M SOHC</b>					
Reman.	1972-68	2M	Forging #2M, 2MG2	BP7018	KBP7018
<b>2.4L/2366CC L4 92MM (3.622") 22R, 22RE, 22REC, 22RTEC SOHC (TURBO AS NOTED)</b>					
Reman.	1982-81	To 2/82; 22R; w/.079" thrust washers; w/offset tabs in lower shells of main brgs.	Forging #L1, N	BP7017	KBP7017
Reman.	1984-82	From 3/82 to 7/84; 22R; w/.079" thrust washers; w/center tabs in lower shells of main brgs.		BP7019	KBP7019
Reman.	1995-84	From 8/84; 22R, 22REC, 22RECT; w/1.108" thrust washers	Forging #L1, N	BP7023	KBP7023
				<b>Value Line Crank Kit</b>	<b>KVL7023</b>
<b>2.4L/2438CC L4 95MM (3.740") 2TZFE, 2TZFE DOHC</b>					
Reman.	1997-90	Previa 2TZFE, 2TZFE	Forging #RZ	BP7046	KBP7046
<b>2.4L/2438CC L4 95MM (3.740") 2RZFE DOHC</b>					
Reman.	2000-95	2RZFE; Tacoma	Forging #RZ	BP7046	KBP7046
<b>2.5L/2507CC V6 87.5MM (3.445") 2VZFE DOHC</b>					
Reman.	1991-88	2VZFE; w/1.889" rod journal		BP7035	KBP7035
<b>2.6L/2563CC L6 80MM (3.150") 4M, 4ME SOHC</b>					
Reman.	1980-71	4M, 4ME	Forging #2M, 2MG2	BP7018	KBP7018
<b>2.7L/2693CC L4 95MM (3.740") 3RZFE DOHC</b>					
Reman.	2000-94	3RZFE; T100, Tacoma, Pickup,		BP7033	KBP7033
<b>2.8L/2759CC L6 83MM (3.268") 5ME, 5MGE SOHC, DOHC</b>					
Reman.	1984-81	Before 8/84	Forging #2M, 2MG2	BP7018	KBP7018
Reman.	1988-84	From 8/84	Forging #2M, 4M	BP7020	KBP7020
<b>3.0L/2954CC L6 83MM (3.270") 7MGE, 7MGTE DOHC (TURBO AS NOTED)</b>					
Reman.	1992-86	7MGE, 7MGTE; w/3"snout	Forging #6M	BP7034	KBP7034
<b>3.0L/2959CC V6 87.5MM (3.445") 3VZE, 3VZFE SOHC, DOHC</b>					
Reman.	1995-88	SOHC; 3VZE; w/2.165" rod journal, neck length 2.750"; T100, Pickup, 4Runner		BP7036*	KBP7036*
Reman.	1993-92	DOHC; 3VZFE; w/2.165" rod journal, neck length 2.525"; Camry		BP7037*	KBP7037*
<b>3.0L/2995CC V6 87.5MM 1MZFE DOHC</b>					
Reman.	2001-94	w/2.087" rod journal; Avalon, Camry, Sienna, Solara		BP7038	KBP7038
<b>3.0L/2997CC L6 86MM 2JZGE, 2JZGTE DOHC (TURBO AS NOTED)</b>					
Reman.	1998-93	2JZGE, 2JZGTE; Incl. Turbo; Supra		BP7047	KBP7047
<b>3.4L/3378CC V6 93.5MM 5VZFE DOHC</b>					
Reman.	2000-95	5VZFE; T100, Tacoma, 4Runner		BP7039	KBP7039
<b>3.9L/3878CC L6 90MM F OHV</b>					
Reman.	1975-69	Landcruiser		BP7021	KBP7021
<b>4.0L/3955CC L6 94MM 3FE OHV</b>					
Reman.	1992-88	3FE; Landcruiser		BP7048	KBP7048
<b>4.2L/4230CC L6 94MM (3.701") 2F OHV</b>					
Reman.	1987-75			BP7021	KBP7021
<b>4.5L/4476CC L6 100MM 1FZE, 1FZFE DOHC</b>					
Reman.	1998-93	1FZFE; Landcruiser		BP7049	KBP7049
<b>VOLKSWAGEN</b>					
<b>1.2L/1192CC H4 77MM (3.031") OHV (AIR COOLED)</b>					
Reman.	1965-60	Type 1, 2, 3; 40hp; Air cooled		BP7502	KBP7502
<b>1.3L/1285CC H4 77MM (3.031") OHV (AIR COOLED)</b>					
Reman.	1966-66	Type 1, 2; 50hp; Air cooled		BP7503	KBP7503

\* CAUTION; Failure to line bore block before installation of this crankshaft will void warranty.

# Blueprint Series Crankshafts

**Domestic/Import -Continued**



Type	Years	Description/Bore	Notes	Crank	Crank Kit
<b>VOLKSWAGEN -Continued</b>					
<b>1.5L/1457CC I4 79.5MM (3.012") SOHC (WATER COOLED)</b>					
Reman.	1980-78	EH, FX; Water cooled		BP7505	KBP7505
<b>1.5L/1471CC I4 76.5MM (3.012") SOHC (WATER COOLED) (GAS, DIESEL)</b>					
Reman.	1975-74	FG, FG, XR, XS, XU, XV, XY, XZ; w/3.228" rear seal dia.; Water cooled		BP7506	KBP7506
Reman.	1975-74	XY; w/3.345" rear seal dia.; Water cooled		BP7507	KBP7507
Reman.	1980-77	CK Diesel; Water cooled		BP7507	KBP7507
<b>1.5L/1493CC H4 83MM (3.268") OHV (AIR COOLED)</b>					
Reman.	1969-66	Type 1, 2; 50hp		BP7503	KBP7503
Reman.	1966-61	Type 1, 2, 3; 40hp		BP7502	KBP7502
<b>1.6L/1584CC H4 85.5MM OHV (AIR COOLED)</b>					
Reman.	1979-66	Type 1, 2; 50hp		BP7503	KBP7503
<b>1.6L/1588CC I4 79.5MM (3.130") SOHC (WATER COOLED) (GAS)</b>					
Reman.	1980-76	EE, EF, EJ, EO, FN, YG, YH, YK; w/3.228" rear seal dia.; Water cooled		BP7506	KBP7506
Reman.	1980-76	EE, EF, EJ, EO, FN, YG, YH, YK; w/3.345" rear seal dia.; Water cooled		BP7507	KBP7507
<b>1.6L/1588CC I4 76.5MM (3.012") CR, CS, CY, JK, MD, ME, MF SOHC (TURBO AS NOTED) (WATER COOLED) (DIESEL)</b>					
Reman.	1984-81	CR, CS, CY; w/1.880" rod brgs.; Water cooled; Incl. Turbo		BP7508	KBP7508
<b>1.7L/1679CC H4 90MM OHV (AIR COOLED)</b>					
Reman.	1974-71	Type 2, 4		BP7504	KBP7504
<b>1.7L/1715CC I4 79.5MM (3.130") SOHC (WATER COOLED)</b>					
Reman.	1984-81	EN, WF; w/1.809" rod brgs.; Water cooled		BP7509	KBP7509
<b>1.8L/1795CC H4 93MM (3.661") OHV (AIR COOLED)</b>					
Reman.	1975-74	CA, CB, CE Type 2, 4; Air cooled		BP7504	KBP7504

# Blueprint Series Crankshafts

## Marine



### CHRYSLER MARINE

<b>2.8L/170 L6 (3.400") OHV (CHRYSLER ENGINE)</b>				
Reman.	Standard rotation w/1.962" center ring	Forging #2121654, 2263611, 2264478	<b>BP3015</b>	<b>KBP3015</b>
Reman.	Standard rotation w/2.157" center ring	Forging #2843933, 2843939	<b>BP3016</b>	<b>KBP3016</b>
<b>3.7L/225 L6 (3.400") OHV (CHRYSLER ENGINE)</b>				
Reman.	Standard rotation steel shaft w/1.962" center ring	Forging #21288492, 2205554, 2268613, 2264479	<b>BP3018</b>	<b>KBP3018</b>
Reman.	Standard rotation steel shaft w/2.157" center ring	Forging #2843935, 2658998, 3769307, 3830099	<b>BP3019</b>	<b>KBP3019</b>
Reman.	Standard rotation cast shaft w/2.157" center ring	Forging #3698966, 7501366	<b>BP3020</b>	<b>KBP3020</b>
Reman.	Standard rotation cast shaft w/2.157" center ring	Forging #4095246	<b>BP3021</b>	<b>KBP3021</b>
<b>5.2L/318 V8 (3.910") OHV (CHRYSLER ENGINE)</b>				
Reman.	Standard rotation steel shaft w/6 bolt flange	Forging #2128278, 2128869, 2264182, 2532457, 2658278, 2268119	<b>BP3030</b>	<b>KBP3030</b>
Reman.	Standard rotation steel shaft w/6 bolt flange	Forging #3462387, 3751841, 3751887, 2991345, 2128278, 2658293	<b>BP3031</b>	<b>KBP3031</b>
<b>5.9L/360 V8 (4.000") OHV (CHRYSLER ENGINE)</b>				
Reman.	Standard rotation cast shaft	Forging #3418640, 3418995, 4027169	<b>BP3032</b>	<b>KBP3032</b>
<b>7.2L/440 V8 (4.320") OHV (CHRYSLER ENGINE)</b>				
Reman.	Standard rotation OEM steel shaft w/6 bolt flange	Forging #2206158, 2206160, 3751899, 3751891, 3612036	<b>BP3035</b>	<b>KBP3035</b>
Reman.	Standard rotation steel shaft w/6 bolt flange	Forging #3698641, 3751888, 4027175	<b>BP3038</b>	<b>KBP3038</b>
<b>7.4L/460 V8 (4.360") OHV (FORD ENGINE)</b>				
Reman.	Standard rotation w/wtd. spacers, w/oil slinger	Forging #3Y, 3YA, 3YB	<b>BP2012</b>	<b>KBP2012</b>
Reman.	Standard rotation w/wtd. spacers, w/oil slinger	Forging #3Y, 3YA, 3YB	<b>BP2072</b>	<b>KBP2072</b>

### FORD MARINE

<b>5.0L/302 V8 (4.000") OHV (FORD ENGINE)</b>				
Reman.	1981-83 Standard rotation w/2 pc. rear seal	Forging #2MAE	<b>BP2040</b>	<b>KBP2040</b>
Reman.	1983-96 Standard rotation w/1 pc. rear seal	Forging #2MAE, E1AE-AA	<b>BP2042</b>	<b>KBP2042</b>
Reman.	1968-80 Standard rotation	Forging #2M, 2MA, 2MAB, 2MAD	<b>BP2041</b>	<b>KBP2041</b>
<b>5.8L/351W V8 (4.000") OHV (FORD ENGINE)</b>				
Reman.	Standard rotation w/2 pc. rear seal; w/half groove main bearing	Forging #3C, 3M, 3MA, 7M, 7MA, C9OE-A	<b>BP2017</b>	<b>KBP2017B</b>
Reman.	Standard rotation; w/1 pc. rear seal	Forging #3M, 3MA, 7M, 7MA	<b>BP2014</b>	<b>KBP2014</b>
Reman.	Standard rotation w/2 pc. rear seal; w/full groove main bearing	Forging #3C, 3M, 3MA, 7M, 7MA, C9OE-A	<b>BP2017</b>	<b>KBP2017A</b>
<b>7.5L/460 V8 (4.360") OHV (FORD ENGINE)</b>				
Reman.	1979-83 Standard rotation w/wtd. spacers, w/oil slinger	Forging #3Y, 3YA, 3YB	<b>BP2012</b>	<b>KBP2012</b>
Reman.	1984-97 Standard rotation w/wtd. spacers, w/o oil slinger	Forging #3Y, 3YA, 3YB	<b>BP2072</b>	<b>KBP2072</b>

### GM MARINE

<b>3.8L/230 L6 (3.875") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation	Forging #3788424, 3820618, 5743013	<b>BP1013</b>	<b>KBP1013</b>
<b>4.1L/250 L6 (3.875") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation	Forging #460407, 2779954, 3876802, 3876840	<b>BP1017</b>	<b>KBP1017</b>
<b>4.3L/262 V6 (4.000") OHV (CHEVROLET ENGINE)</b>				
Reman.	1986-98 Standard rotation w/1 pc. seal w/o hole in #1 rod throw	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	<b>BP1056</b>	<b>KBP1056</b>
Reman.	1992-98 Standard rotation w/1 pc. seal w/hole in #1 rod throw	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	<b>BP1057</b>	<b>KBP1057</b>
<b>4.6L/283 V8 (3.875") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation cast shaft	Forging #3849847, 3876764, 3876768	<b>BP1043</b>	<b>KBP1043</b>
Reman.	Standard rotation steel shaft	Forging #3735236, 3815822, 3836266	<b>BP1044</b>	<b>KBP1044</b>
<b>4.8L/292 L6 (3.875") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation w/1/2" flywheel bolt holes	Forging #0363, 2774220, 3299990, 3910363	<b>BP1023</b>	<b>KBP1023</b>
Reman.	Standard rotation w/7/16" flywheel bolt holes	Forging #3789412, 3855914, 388606, 3884653	<b>BP1029</b>	<b>KBP1029</b>
<b>5.0L/305 V8 (3.736") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation w/2 pc. rear seal	Forging #3932442	<b>BP1058</b>	<b>KBP1058</b>
Reman.	Standard rotation w/1 pc. rear seal	Forging #14088526, 14088535	<b>BP1005</b>	<b>KBP1005</b>
<b>5.3L/327 V8 (4.000") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation w/2.448" main brg.	Forging #1130, 4672, 3911001, 3941174, 3911001A	<b>BP1045</b>	<b>KBP1045</b>
Reman.	Standard rotation w/2.298" main brg.	Forging #2680, 4577, 3782680	<b>BP1046</b>	<b>KBP1046</b>
<b>5.7L/350 V8 (4.000") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation cast shaft w/2 pc. rear seal	Forging #1181, 306275, 306276, 3932442	<b>BP1000</b>	<b>KBP1000</b>
Reman.	Standard rotation steel shaft w/2 pc. rear seal	Forging #1182, 2690	<b>BP1001</b>	<b>KBP1001</b>

# Blueprint Series Crankshafts

## Marine -Continued



<b>GM MARINE -Continued</b>				
<b>5.7L/350 V8 (4.000") OHV (CHEVROLET ENGINE) -Continued</b>				
Reman.	Standard rotation cast shaft w/1 pc. rear seal	Forging #14088526, 14088535, 14088536	<b>BP1002</b>	<b>KBP1002</b>
Reman.	Standard rotation steel shaft w/1 pc. rear seal	Forging #14088532	<b>BP1003</b>	<b>KBP1003</b>
New	Early Standard rotation w/2 pc. rear seal		<b>C350</b>	<b>KC350</b>
New	Late Standard rotation w/1 pc. rear seal		<b>C350-1</b>	<b>KC350-1</b>
<b>7.0L/427 V8 (4.250") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation steel shaft w/2 pc. rear seal	Forging #6223, 7115, 3863144, 3874874	<b>BP1009</b>	<b>KBP1009</b>
Reman.	Standard rotation w/1 pc. rear seal	Forging #10114189	<b>BP1062</b>	<b>KBP1062</b>
<b>7.4L/454 V8 (4.250") OHV (CHEVROLET ENGINE)</b>				
Reman.	Standard rotation cast shaft w/2 pc. rear seal	Forging #3521, 3963523, 3963524	<b>BP1006</b>	<b>KBP1006</b>
Reman.	Standard rotation w/1 pc. rear seal	Forging #1011 188A	<b>BP1060</b>	<b>KBP1060</b>
New	Standard rotation w/2 pc. rear seal		<b>C454</b>	<b>KC454</b>
New	Standard rotation w/2 pc. rear seal	Heavy duty forged	<b>CF454</b>	<b>KCF454</b>
New	Standard rotation w/1 pc. rear seal		<b>C454-1</b>	<b>KC454-1</b>
<b>MERCURISER (Mercury Marine)</b>				
<b>3.8L/229 V6 (3.736") OHV MODEL 185 R/MR</b>				
Reman.	Standard rotation	Forging #726N, 1354N	<b>BP1016</b>	<b>KBP1016</b>
<b>3.8L/230 L6 (3.875") OHV 140 &amp; 150HP</b>				
Reman.	Standard rotation	Forging #3788424, 3820618, 5743013	<b>BP1013</b>	<b>KBP1013</b>
<b>4.1L/250 L6 (3.875") OHV 160 &amp; 165HP</b>				
Reman.	Standard rotation	Forging #460407, 2779954, 3876802, 3876840	<b>BP1017</b>	<b>KBP1017</b>
<b>4.3L/262 V6 (4.000") OHV 175 ALPHA, 185MR, 205 ALPHA, 205MR, 205 "L" ALPHA, 205 "L" GEN II, 205 "LX" ALPHA, 205 "LX" GEN+, 205 "LX" II GEN II, 205 "LXH" GEN+, 262 MAGNUM EFI GEN+</b>				
Reman.	1986-98 Standard rotation w/1 pc. seal w/o hole in #1 rod throw	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	<b>BP1056</b>	<b>KBP1056</b>
Reman.	1992-98 Standard rotation w/1 pc. seal w/hole in #1 rod throw	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	<b>BP1057</b>	<b>KBP1057</b>
<b>4.6L/283 V8 (3.875") OHV 190HP SMALL JOURNAL ENG.</b>				
Reman.	Standard rotation cast shaft	Forging #3849847, 3876764, 3876768	<b>BP1043</b>	<b>KBP1043</b>
Reman.	Standard rotation steel shaft	Forging #3735236, 3815822, 3836266	<b>BP1044</b>	<b>KBP1044</b>
<b>4.8L/292 L6 (3.875") OHV 200HP</b>				
Reman.	Standard rotation w/1/2" flywheel bolt holes	Forging #0363, 2774220, 3299990, 3910363	<b>BP1023</b>	<b>KBP1023</b>
Reman.	Standard rotation w/7/16" flywheel bolt holes	Forging #3789412, 3855914, 388606, 3884653	<b>BP1029</b>	<b>KBP1029</b>
<b>5.0L/302 V8 (4.000") OHV (FORD MARINE) MODEL 188, 888, 215, 225</b>				
Reman.	1981-83 Standard rotation w/2 pc. rear seal	Forging #2MAE	<b>BP2040</b>	<b>KBP2040</b>
Reman.	1983-96 Standard rotation w/1 pc. rear seal	Forging #2MAE, E1AE-AA	<b>BP2042</b>	<b>KBP2042</b>
Reman.	1968-80 Standard rotation	Forging #2M, 2MA, 2MAB, 2MAD	<b>BP2041</b>	<b>KBP2041</b>
<b>5.0L/305 V8 (3.736") OHV MODELS 198 R/MR, 898, 200 R/MR, 228 R/MR, 230 R/MR, 230 INBOARD, MODELS "L" ALPHA, "LX" ALPHA, 5.0L EFI ALPHA W/ROLLER LIFTERS</b>				
Reman.	Standard rotation w/2 pc. rear seal	Forging #3932442	<b>BP1058</b>	<b>KBP1058</b>
Reman.	Standard rotation w/1 pc. rear seal	Forging #14088526, 14088535	<b>BP1005</b>	<b>KBP1005</b>
<b>5.4L/327 V8 (4.000") OHV 225 &amp; 250HP</b>				
Reman.	Standard rotation w/2.448" main brg.	Forging #1130, 4672, 3911001, 3941174, 3911001A	<b>BP1045</b>	<b>KBP1045</b>
Reman.	Standard rotation w/2.298" main brg.	Forging #2680, 4577, 3782680	<b>BP1046</b>	<b>KBP1046</b>
<b>5.7L/350 V8 (4.000") OHV MODELS 255 &amp; 260HP, 260 INBOARD, 260 R/MR, 5.7 "L" ALPHA, 5.7 "LX" BRAVO, 5.7 EFI, 5.7 COMP SKI, 5.7 INBOARD, 350 INBOARD, 350 MAGNUM, 350 MAGNUM EFI, 350 MAGNUM TOURNAMENT SKI</b>				
Reman.	Standard rotation cast shaft w/2 pc. rear seal	Forging #1181, 306275, 306276, 3932442	<b>BP1000</b>	<b>KBP1000</b>
Reman.	Standard rotation steel shaft w/2 pc. rear seal	Forging #1182, 2690	<b>BP1001</b>	<b>KBP1001</b>
Reman.	Standard rotation cast shaft w/1 pc. rear seal	Forging #14088526, 14088535, 14088536	<b>BP1002</b>	<b>KBP1002</b>
Reman.	Standard rotation steel shaft w/1 pc. rear seal	Forging #14088532	<b>BP1003</b>	<b>KBP1003</b>
New	Early Standard rotation w/2 pc. rear seal		<b>C350</b>	<b>KC350</b>
New	Late Standard rotation w/1 pc. rear seal		<b>C350-1</b>	<b>KC350-1</b>
<b>5.8L/351W V8 (4.000") OHV (FORD MARINE) 233 &amp; 255HP</b>				
Reman.	Standard rotation w/2 pc. rear seal; w/full groove main bearings	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	<b>BP2017</b>	<b>KBP2017A</b>
Reman.	Standard rotation w/1 pc. rear seal	Forging #3M, 3MA, 7M, 7MA	<b>BP2014</b>	<b>KBP2014</b>
Reman.	Standard rotation w/2 pc. rear seal; w/half groove main bearings	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	<b>BP2017</b>	<b>KBP2017B</b>
<b>7.0L/427 V8 (4.250") OHV 325HP</b>				
Reman.	Standard rotation steel shaft w/2 pc. rear seal	Forging #6223, 7115, 3863144, 3874874	<b>BP1009</b>	<b>KBP1009</b>
Reman.	Standard rotation w/1 pc. rear seal	Forging #10114189	<b>BP1062</b>	<b>KBP1062</b>

# Blueprint Series Crankshafts

## Marine -Continued



### MERCUISER (Mercury Marine) -Continued

7.4L/454 V8 (4.250") OHV MODELS 330, 330 INBOARD, 350, 370 TRS, 390, 400 TRS, 420 H.O., 425 H.O., 454 ALPHA, 454 EFI, 454 INBOARD, 454 MAGNUM, 454 MAGNUM ALPHA, 454 MAGNUM BRAVO, 7.4L BRAVO, 7.4L EFI, 7.4L INBOARD

Reman.	Standard rotation cast shaft w/2 pc. rear seal	Forging #3521, 3963523, 3963524	BP1006	KBP1006
Reman.	Standard rotation cast shaft w/1 pc. rear seal	Forging #1011 188A	BP1060	KBP1060
New	Standard rotation w/2 pc. rear seal		C454	KC454
New	Standard rotation w/1 pc. rear seal		C454-1	KC454-1
New	Standard rotation w/2 pc. rear seal	Heavy duty forged	CF454	KCF454

8.2L/502 V8 (4.466") OHV MODELS 390 & 465HP, 502 MAGNUM, 8.2 INBOARD

New	Standard rotation w/2 pc. rear seal		C454	KC454
New	Standard rotation w/2 pc. rear seal	Heavy duty forged	CF454	KCF454

### OMC COBRA

4.1L/250 L6 (3.875") OMC OHV 165HP

Reman.	Standard rotation	Forging #460407, 2779954, 3876802, 3876840	BP1017	KBP1017
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4.3L/262 V6 (4.000") COBRA & HO COBRA OHV 175 & 205HP HIGH OUTPUT

Reman.	1986-98	Standard rotation w/1 pc. seal w/o hole in #1 rod throw	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	BP1056	KBP1056
Reman.	1992-98	Standard rotation w/1 pc. seal w/hole in #1 rod throw	Forging #480, 640, 865, 10055480, 10105865, 14088640, 14088840	BP1057	KBP1057

4.6L/283 V8 (3.875") OMC 185HP

Reman.	Standard rotation cast shaft	Forging #3849847, 3876764, 3876768	BP1043	KBP1043
Reman.	Standard rotation steel shaft	Forging #3735236, 3815822, 3836266	BP1044	KBP1044

5.0L/302 V8 (4.000") COBRA, COBRA EFI & HO COBRA OHV (FORD MARINE) 185, 200 & 255HP HIGH OUTPUT

Reman.	1981-83	Standard rotation w/2 pc. rear seal	Forging #2MAE	BP2040	KBP2040
Reman.	1983-96	Standard rotation w/1 pc. rear seal	Forging #2MAE, E1AE-AA	BP2042	KBP2042
Reman.	1968-80	Standard rotation	Forging #2M, 2MA, 2MAB, 2MAD	BP2041	KBP2041

5.0L/305 V8 (3.736") COBRA OHV 200 & 230HP

Reman.	Standard rotation w/2 pc. rear seal	Forging #3932442	BP1058	KBP1058
Reman.	Standard rotation w/1 pc. rear seal	Forging #14088526, 14088535	BP1005	KBP1005

5.7L/350 V8 (4.000") COBRA & KING COBRA OHV 260 & 270HP

Reman.	Standard rotation cast shaft w/2 pc. rear seal	Forging #1181, 306275, 306276, 3932442	BP1000	KBP1000
Reman.	Standard rotation steel shaft w/2 pc. rear seal	Forging #1182, 2690	BP1001	KBP1001
Reman.	Standard rotation cast shaft w/1 pc. rear seal	Forging #14088526, 14088535, 14088536	BP1002	KBP1002
Reman.	Standard rotation steel shaft w/1 pc. rear seal	Forging #14088532	BP1003	KBP1003
New	Early Standard rotation w/2 pc. rear seal		C350	KC350
New	Late Standard rotation w/1 pc. rear seal		C350-1	KC350-1

5.8L/351W V8 (4.000") COBRA, COBRA EFI & HO KING COBRA OHV (FORD MARINE) 240, 265 & 285HP HIGH OUTPUT

Reman.	Standard rotation w/2 pc. rear seal; w/half groove main bearings	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	BP2017	KBP2017B
Reman.	Standard rotation w/1 pc. rear seal	Forging #3M, 3MA, 7M, 7MA	BP2014	KBP2014
Reman.	Standard rotation w/2 pc. rear seal; w/full groove main bearings	Forging #3C, 3M, 3MA, 7M, 7MA, C90E-A	BP2017	KBP2017A

7.4L/454 V8 (4.250") KING COBRA & HO KING COBRA OHV 330 & 370HP

Reman.	Standard rotation cast shaft w/2 pc. rear seal	Forging #3521, 3963523, 3963524	BP1006	KBP1006
Reman.	Standard rotation cast shaft w/1 pc. rear seal	Forging #1011 188A	BP1060	KBP1060
New	Standard rotation w/1 pc. rear seal		C454-1	KC454-1
New	Standard rotation w/2 pc. rear seal	Heavy duty forged	CF454	KCF454
New	Standard rotation w/2 pc. rear seal		C454	KC454

7.5L/460 V8 (4.360") KING COBRA OHV (FORD MARINE) 340HP

Reman.	1979-83	Standard rotation w/wtd. spacers, w/oil slinger	Forging #3Y, 3YA, 3YB	BP2012	KBP2012
Reman.	1984-97	Standard rotation w/wtd. spacers, w/o oil slinger	Forging #3Y, 3YA, 3YB	BP2072	KBP2072

8.2L/502 V8 (4.466") KING COBRA OHV 420HP

New	Standard rotation w/2 pc. rear seal		C454	KC454
New	Standard rotation w/2 pc. rear seal	Heavy duty forged	CF454	KCF454

# New Crankshafts

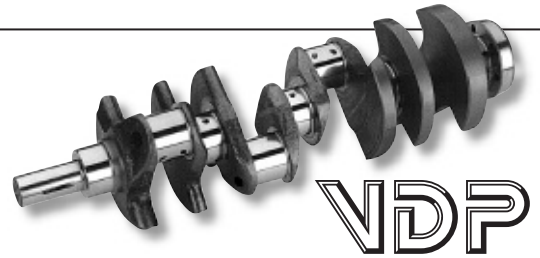
## Ford & Chevrolet



Crank Stroke	—Use With— Block	Final CU. IN. Rod Length	W/.030 Block	Piston Availability Comments	Hi-Tech KB	Part Number
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### STROKER CRANKS

- Hi-Tech VDP cast steel. The strongest cast material available.
- Chamfered oil holes
- Non machined surfaces are shot peened for greater strength
- Lightening holes in all rod throws
- Fully radiused counter weights
- Precision ground and micro polished journals
- Manufactured from superior "permanent shell core" molds



### Hi-Tech VDP Cast Steel Cranks

Hi-Tech Engine Components is proud to announce the availability of 100% new, high quality crankshafts. These crankshafts offer numerous quality improvements over what has typically been available to the aftermarket and are much stronger than O.E. cast iron cranks.

#### MATERIAL

Each crank is manufactured using Hi-Tech's exclusive VDP Cast Steel blend. This is the strongest cast material available. It contains virgin ductile material for less impurities and greater molecular bonding. Benefits include increased fatigue life and bearing surfaces that actually improve with use by becoming work hardened.

#### DESIGN

Counterweights are shaped with a radius leading edge to help reduce power losses associated with excess windage. Counter weights are also rotated to maximize their effectiveness for crankshaft balance.

#### PROCESS

Most aftermarket cranks are manufactured using green sand molds that are filled from the top. Hi-Tech has improved on this process by utilizing superior (and more expensive) permanent "shell core" molds that are filled from the bottom.

The mold itself is constructed with special gas relief gates that allow air and other non-solid compounds to escape while the material is being introduced into the mold. This limits porosity as well as creating a part with greater density, higher yield strength and a superior journal finish. In addition, the shell core mold also offers tremendous improvements in dimensional accuracy.

#### FINISH

All non-machined surfaces on Hi-Tech cranks are shot peened to increase fatigue life. Lightening holes are machined into all rod throws. Journals are precision ground and micro polished while each oil hole is chamfered to improve bearing lubrication.

#### NOTES ON BALANCING:

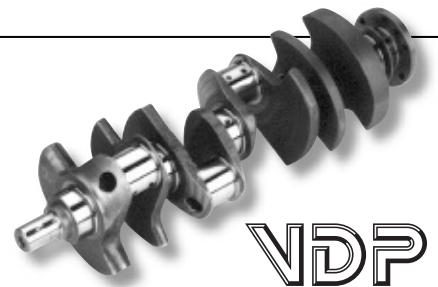
- All Hi-Tech stroker cranks require balancing prior to assembly.
- 383 Chev. cranks with 2 piece rear seals should be assembled using a 400 Chev harmonic balancer and flexplate or flywheel.
- 383 Chev. cranks with 1 piece rear seals should be assembled using a 400 Chev harmonic balancer and a 350 Chev. flexplate or flywheel.

\* *WARNING: If you are starting with a 1996 or later 350 or a 1992 or later LT-1 350 and plan on using the original serpentine belt system you must also retain the original one piece balancer/pulley assembly.*

### SMALL BLOCK CHEVROLET STROKER CRANKS

All of the features shown above plus:

- Clearanced for long skirt pistons (like TRW forged) when using 5.7" or longer rods
- Lightweight, 50 lbs. or less!
- 350 or 400 main sizes
- One or two piece rear main seals
- 3.750" or 3.800" strokes
- Versions are available for use with 5.565", 5.700" or 6.000" rods
- Unless noted, all cranks feature a full .093" fillet radius and accept stock replacement type bearings



### Small Block Chevrolet Stroker Cranks

3.500"	400	6.00" minimum	380	400 main size eliminates the need for bearing spacers. Similar to cranks found in 377 cu. in. race engines. Ours has been upgraded from 3.48" to a 3.500" stroke for extra displacement. Big bore, short stroke is ideal for high RPM applications. Can use pistons designated for use in 377's in most applications. Check piston to cyl. head clearance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C380-6
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# New Crankshafts

## Ford & Chevrolet -Continued

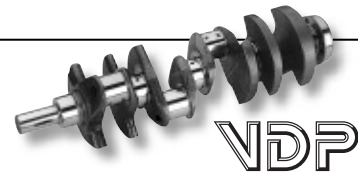


Crank Stroke	—Use With— Block	Final CU. IN. Rod Length	W/.030 Block	Comments	Piston Availability Hi-Tech	KB	Part Number
<b>Small Block Chevrolet Stroker Cranks —continued</b>							
3.750"	350	5.565" or 5.700"	383	Can use 350 pistons if stock length 400 rods (5.565") are used. If stock length 350 rods (5.700") are used, special "383" pistons must be also be purchased.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C383
<b>Our Most Popular Crank</b>							
3.750"	350	5.565" or 5.700"	383	Lightweight crank ( 47 lbs.) with .125" fillets Can use 350 pistons if stock length 400 rods (5.565") are used. If stock length 350 rods (5.700") are used, special "383" pistons must be also be purchased.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C383L
3.750"	350	6.00"	383	Profiled lightweight crank designed for internal balance. Must use special 383, 6" rod pistons. For externally balanced 383 engines with 6" rods use crank #C383.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C383L-6
3.750"	350	5.565" or 5.700"	383	For use with one piece rear main seal found in late model applications. (includes LT-1) Can use 350 pistons if stock length 400 rods (5.565") are used. If stock length 350 rods (5.700") are used, special "383" pistons must be also be purchased.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C383-1
3.800"	350	5.700" minimum	388	350 main size. Can use pistons designated for use in 383's in many applications. Check piston to cyl. head clearance.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C388
3.750"	400	5.565" or 5.700"	407	400 Crank that has been cleared for use with 350 or 400 rods.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C400
3.750"	400	5.565" or 5.700"	407	Lightweight 400 crank (47 lbs.) .125" fillets Must use special high performance bearings.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C400L
3.750"	400	6.00"	407	Profiled lightweight 400 crank designed for internal balance and 6.00" rods. Special pistons required. For externally balanced 400 engines with 6" rods use crank #C400.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C400L-6

### FORD 302 STROKER CRANKS

All of the features shown on page 102 plus:

- Counterweights will clear 5.315" rods. (5.400" length rods are the most popular)
- Full counterweight shape to aid balancing
- Tail for early and late blocks



### Ford 302 Stroker Cranks

3.250"	302	5.315" min.	331	Use Ford dia. and width rods.	<input type="checkbox"/>	<input type="checkbox"/>	C331
3.400"	302	5.315" min.	347	Use Ford dia. and width rods.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C347†

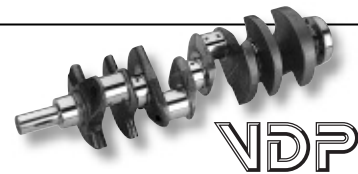
† Use with Hi-Tech rod #5400CR-1

### FORD 351W STROKER CRANKS

All of the features shown on page 102 plus:

- Your choice of 2.750" or 3.00" main journals.
- Flanged for early and late style blocks.
- 100% new - use std. size rod and main bearings.
- Versions for use with stock 351W rods or Chevy 6.000" (or longer) rods.

**BUILD A  
BUDGET  
393 CU. IN.  
WINDSOR**



### Ford 351W Stroker Cranks

3.850"	351W	5.956"	393	3.00" mains. Use with stock 351W rods and original equipment style 302 pistons (1.608" compression height). The low cost way to gain 42 cubic inches!	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C393WF
3.850"	351W	5.956"	393	Use with SVO block that has Cleveland main bearing size of 2.750". Use with stock 351W rods and original equipment style 302 pistons (1.608" compression height).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	C393WF-1
4.00"	351W	6.000" or longer	408	3.00" mains. Use with Chevy small block 6.000" (or longer) rods.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C408WC
4.00"	351W	6.000" or longer	408	Use with SVO block that has Cleveland main bearing size of 2.750". Use with Chevy small block 6.000"(or longer) rods.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C408WC-1

# New Crankshafts

## Ford & Chevrolet -Continued

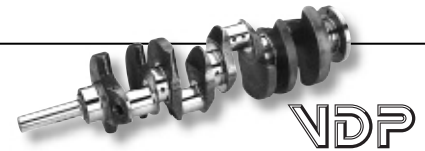


Crank Stroke	—Use With— Block	Final CU. IN. Rod Length	W/.030 Block	Comments	Piston Availability Hi-Tech KB	Part Number
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### FORD 460 STROKER CRANKS

All of the features shown on page 102 plus:

- Rod journal diameter has been sized for big block Chevrolet rods.
- Cleared for 6.635" rod length (minimum).



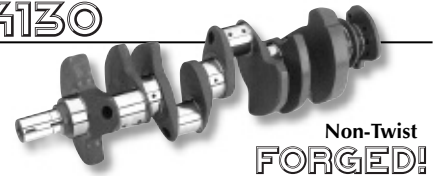
### Ford 460 Stroker Cranks

4.150"	460	6.635" min. 6.800" most popular	503	Use with aftermarket big block Chevrolet rods. (6.635" minimum length)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>C503</b>
4.300"	460	6.635" min. 6.800" most popular	521	Use with aftermarket big block Chevrolet rods. (6.635" minimum length)	<input type="checkbox"/>	<input type="checkbox"/>	<b>C521</b>
4.500"	460	6.635" min. 6.800" most popular	545	Use with aftermarket big block Chevrolet rods. (6.635" minimum length) 7,000 rpm maximum.	<input type="checkbox"/>	<input type="checkbox"/>	<b>C545</b>

### BIG BLOCK CHEVROLET FORGED CRANKS

4130

- Nitrided.
- Exact index and stroke.
- Chamfered oil holes.
- CNC cleared.
- Precision ground & micro polished journals.
- Special heat treatment for core hardness.
- .125" radius on all journals.
- Stress relieved and shot peened.



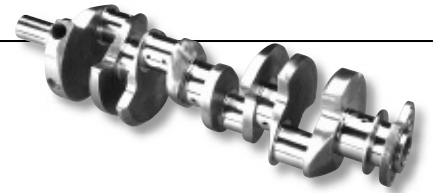
### Big Block Chevrolet Forged Cranks

4.00"	454	6.135"	460	4130 Forged Nitrided crank.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<b>CF454†</b>
4.25"	454	6.385"	489	4130 Forged Nitrided crank. Use with .250" longer than stock rods. Lightening holes in all throws.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>CF489-1</b>
4.25"	454	6.135"	489	4130 Forged Nitrided crank. Cleared for stock length rods. Lightening holes in all throws.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>CF489</b>

† 4130 Crank Note: The stroker cranks shown above are constructed to be individually balanced. This allows them to be custom tailored to suit each engine builders needs.

### 100% NEW - STOCK REPLACEMENT CRANKS

- Standard size rod and main journals
- Precision ground and micro-polished journals.
- Balanced for stock components and ready to install straight out of the box.
- Manufactured from the same VDP material as our stroker cranks. This is the strongest cast material available.
- Eliminates the hassle of finding salvageable cores.



COMMENTS	PART NUMBER
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### 350 Chevrolet Small Block Replacement Crank

Late model. Accepts one piece rear seal. 1986-1996 all.	<b>C350-1</b>
Early model. Accepts two piece rear seal. 1968-1985 all.	<b>C350</b>

### 454 Chevrolet Big Block Replacement Crank

Two piece rear seal. 1970-1990 all.	<b>C454</b>
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### STREET PERFORMANCE OR TRACK/CLAIMER MODULES

CONTENTS:

8 – <b>CB663P</b>	Rod Bearings	1 – <b>OM55A</b>	Extended RPM range Oil Pump	1 – <b>BC290S</b>	Cam Bearing Set
1 – <b>MS909P</b>	Main Bearings	1 – <b>PE100R</b>	Freeze Plugs	1 – <b>H251K</b>	Moly Ring set
1 – <b>193017-3</b>	Double Row Timing Set with 3 Keyways	1 – <b>100</b>	Complete Gasket Set (Includes Ultramer Coated Head Gaskets)		

NOTES	KIT NUMBER
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### 350 Chevrolet Stroker Modules — Use with stroker cranks to make 383 cu. in. engines.

Includes all of the above plus: A complete set of #7436 flat top pistons with pins use with Chevy 400 rods (not included)	<b>CH350SKA</b>
Includes all of the above plus: A complete set of #6345 Hypereutectic flat top pistons with pins use with Chevy 400 rods (not included)	<b>CH350SKB</b>
Includes all of the above plus: A complete set of #6350 Hypereutectic Swirl/Quench pistons with pins use with Chevy 400 rods (not included)	<b>CH350SKD</b>

# Heavy Duty Crankshafts



## Comments

## Part Number



- Manufactured by OE approved suppliers throughout the world.
- Two year—200,000 mile or 7,200 hour Limited Warranty.

### Case

4 188 P/N 151015 splined open pilot hole gas or diesel	HDC5141
4 188, 630 tractor P/N A39150 G-11740 gas or diesel, non splined	HDC5140
4 207D, 450B, 580C P/N 144011	HDC5153

### Case/Scania

P/N 312739	HDC5171
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### Caterpillar

12 3412 P/N 1W6213, helioid gear (older version)	HDC5151
12 3412 P/N 2W4088, straight tooth gear	HDC5150
4, 3304 P/N 4N7692	HDC5067
6 3406 E Series P/N 611453	HDC5146
6 3408 B Series P/N 1W5009 (New version)	HDC5147
6, 3306 P/N 4N7693/7N7696	HDC5050
6, 3406 P/N 1W6207/7C4859	HDC5026
D330 P/N 8M4505	HDC5136
V8, 1160 P/N 9N8013/9L6266	HDC5055
V8, 3208 P/N 2W0085/9N6221 Forging # 9N6220	HDC5007

### Cummins

6 L10, for engine built after Aug 1988 with 5 hole damper mounting P/N 3819989	HDC5133
6, 855 Series conical or tapered nose P/N 3029340	HDC5049
6, 855 Series snub or bull nose P/N 3024923	HDC5001
6, C Series P/N 3917320, 39174443, 3918986	HDC5096
6, H-NH Series 3029341/101109	HDC5068
K19/QSK19, P/N 3096362 assem., 3016098 bare	HDC5139
V6, V155, V378 P/N 195240/AR60774	HDC5066
V8, V504 P/N 194840/AR60473	HDC5002
V8, V555-VT555 P/N 201950/AR61102	HDC5003

### Cummins/Consolidated Diesel

6B 5.9 P/N 3907804, 3903828, 3905916, 3908032, 3929037	HDC5130
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### Detroit Diesel

6V-71, 6V-71N .010 Under P/N 5146733	HDC5006
12 V-92, 12V-92T RH sets only F/R (2) P/N's 8927718 & 8927719	HDC5118
16V-92, 16V-92T LH sets only F/R (2) P/N's (Front 8927722 & 8927723) (Rear 8927720)	HDC5119
2-71 P/N 8926897/5154188	HDC5071
2-71 Rem P/N 8926897 (Specify .010 or .020 under)	HDC5109
3-71 .010 under P/N 5184215	HDC5072
3-71 P/N 5184215	HDC5046
3-71 Rem P/N 5184215 (Specify .010 or .020 Under)	HDC5110
6-71, 6-71N .010 Under P/N 517033	HDC5111
6-71, 6-71N Rem P/N 5107033	HDC5112
6V-53, 5V-53N .010 under P/N 23504732/5144616	HDC5124
6V-53, 6V-53N Rem (Specify .010 or .020 under) P/N 23504732/5144616	HDC5125
6V-71, 6V-71N P/N 5146733	HDC5023
6V-92, 6V-92T LH P/N 8926420	HDC5041
6V-92, 6V-92T RH P/N 8926419	HDC5042
6V/12V-149 .010 under requires 2 for 12V P/N 23502366/8927998	HDC5073
6V/12V-149 Rem .010 undersize requires 2 for 12V P/N 23502366/8927998	HDC5121

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# Heavy Duty Crankshafts



*-Continued*

Comments	Part Number
<b>Detroit Diesel</b> —continued	
6V/12V-149 requires 2 for 12V P/N 23502366/8927998	HDC5044
8V-71, 8V-71N .010 under P/N 5103264	HDC5005
8V-71, 8V-71N P/N 5103264	HDC5024
8V-71T Rem (Specify .010 or .020) P/N 5103264	HDC5114
8V-92, 8V-92T LH P/N 8926426	HDC5027
8V-92, 8V-92T old style .010 under RH/LH P/N 5101677	HDC5022
8V-92, 8V-92T old style Rem .010 undersize R49RH/LH P/N 5101677	HDC5126
8V-92, 8V-92T RH .010 under P/N 8926425	HDC5115
8V-92, 8V-92T RH P/N 8926425/87926923	HDC5028
8V-92, 8V-92T RH Rem .010 under P/N 8926425	HDC5116
8V-92, 8V-92T RH/LH P/N 5101677	HDC5009
8V-92, LH .010 under P/N 8926426	HDC5117
8V/16V-149 .010 under requires 2 for 16V P/N 23502366/8927988	HDC5074
8V/16V-149 requires 2 for 16V P/N 23502366/8927988	HDC5043
Rem 6V-71, 6V-71N (Specify .010 or .020) P/N 5146733	HDC5113
Series 60 11.1L P/N 8929238	HDC5069
Series 60 12.7L P/N 8929239	HDC5070
<b>Ford Trac.</b>	
3000/3201/3600, major 4000 P/N C5NE6303R, EC630385 diesel	HDC5134
4, 233-256 5000/6600 P/N C5NE6303K	HDC5059
4, 268, BSD444 .010 under P/N E5NN 6303 FA .010	HDC5104
4, Fordson/Major/Super Major P/N NelAADDN-6303F	HDC5142
6 cyl, 7.8L 474 E5HN6303AD-AC .010 undersize	HDC5168
6, 7.8L 474 .010 undersize P/N E5HN6303AD	HDC5098
<b>International Trac.</b>	
4 D239 w/both middle and nose gear	HDC5131
6, DT361 P/N 323882R2	HDC5053
<b>International/Navistar</b>	
DT414 P/N 675050C1/675668C92	HDC5145
DT414 P/N 675050C1/675668C92 w/gear	HDC5148
DT436 P/N 675051C1/675663C92	HDC5149
DT436 P/N 675051C1/675663C92 includes gear	HDC5152
DT466 P/N 675669C93	HDC5048
DT466 P/N 675669C93 includes gear	HDC5162
275 4cyl P/N 3110995R91	HDC5135
<b>John Deere</b>	
3, 3164-3179 P/N AT18031	HDC5056
3164, 3179 AT18031 same as CR-163 but includes gear	HDC5144
4, 4219-4239, 4039 P/N AT18030 - RE33197	HDC5057
4, 4239 turbo and non-turbo, Late Series 60mm nose P/N RE20585	HDC5108
4-270 P/N AR40485	HDC5138
404D P/N AR26431, RE42674	HDC5137
4219 P/N AT18030 includes gear	HDC5154
6 cyl, 6076, 7.6L P/N RE27875	HDC5163
6, 6329-6359 P/N AT22562	HDC5058
6, 6466 P/N AR96189	HDC5107
6-414D/T, 6068 w/gear P/N RE33687-RE45517-AR63024	HDC5132
6-466 w/gear P/N RE53422/R63451	HDC5123
6076 new part number RE53201, old R87544A Non-Turbo w/gear	HDC5166
6404D P/N RE42674, AR26431	HDC5165
6531/6619 P/N AR92533 w/gear	HDC5167
4270 JD3020 P/N AR40485	HDC5159
<i>—continued next page.</i>	

# Heavy Duty Crankshafts



**-Continued**

Comments

Part Number

## John Deere — Continued

4270 JD3020 P/N AR40485 includes gear	HDC5160
4276 P/N RE54883, RE33485 Long Nose w/gear	HDC5156

## Mack

6, END673-END675-END676 P/N 456GC5113 Forging # 456GCF586	HDC5008
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## Mercedes

6, OM352 P/N 352-030-3702/352-030-9702	HDC5128
6, OM360 .010 under P/N 360-030-0101	HDC5106
6, OM360 P/N 360-030-0101	HDC5129

## Perkins

3, 3.152/D3.152 keyed nose/lip seal P/N 31312702-31312704-94463-94459-7415448MI-026022MI-26052	HDC5075
3, 3.152/D3.152 spline nose/lip seal P/N 31312702-31312704-94463-7415446MI-ZZ90122	HDC5076
4, 4.108 keyed nose/rope seal	HDC5122
4, 4.203/D4.203 keyed nose/lip seal P/N 31315184-31315182-94454-026032MI-026033-026032	HDC5081
4, 4.203/D4.203 keyed nose/rope seal P/N 31315145-31315167-31315138-92484-84407-026008MI	HDC5078
4, 4.236 spline nose/lip seal P/N 3115631-31315641-31315664-31315871-94433-741749MI-26046-26042	HDC5085
4, 4.236 spline nose/rope seal P/N 31315884-31315601-31315663-31315851-31315881-68050-84421	HDC5084
4, 4.248 spline nose/lip seal P/N 31315981-31315982-31315991-94436-741746MI-741747MI	HDC5087
4, 4.248 spline nose/rope seal P/N 31305911-31315912-31315993-84422-85721-730863MI-734893MI	HDC5086
6, 6.305 (P6) big radius/spline nose/rope seal P/N 31323145-8+R914432-026021 (RG)	HDC5083
6, 6.305 big radius/keyed nose/rope seal P/N 31323146-84433-026020N (RG)	HDC5082
6, 6.354 ring feeder P/N 02648-31323285	HDC5088
6, 6.354 turbo ring feeder P/N 31323283-026051MI	HDC5089
6, 6.354.2 spline nose/lip seal P/N 31323262-31323261-94443-94460-742160MI-74161MI-ZZ90090	HDC5090
6, 6.354.2 spline nose/rope seal P/N 31322317-31322316-68063-73690MI-742150MI	HDC5091
6, 6.354.4/T6354.4 keyed nose/lip seal P/N 3131H021-748751MI	HDC5092

## Crank Balancing Information

**PRIOR TO BALANCING AND INSTALLATION OF THE CRANKSHAFT YOU MUST PERFORM THE FOLLOWING STEPS:**

1. Clean the crankshaft thoroughly with solvent. Remove all protective packing grease and inspect the crankshaft (especially all running surfaces—rod and main bearing journals) for any external damage that may have occurred during transit.
2. Clean and clear all oil passages with a small brush. Flush the passages with solvent to insure the removal of all packaging material and debris.
3. Check all threaded holes, machined or ground surfaces for packaging material and debris. Make certain all crankshaft surfaces are smooth and clean.
4. Measure all bearing journal outer diameters to insure that they are within specifications. Be sure to use a Standard Set Micrometer. Measure the inside diameter of torqued bearings using a standard bore gauge.
5. Check both rod and main bearings to insure clearance of the fillet radius' on the sides of all journals. Any area in which the outer edge of the bearing contacts the crankshaft journal radius will require chamfering of the bearing edge. Proper clearancing will allow only the side of the connecting rod to make contact with the side of the crankshaft rod journal flange.
6. Dry assemble the crankshaft in the cylinder block and rotate with at least (2) cylinder sets of connecting rods and pistons to insure a minimum of .050" clearance between the crankshaft counterweights and any part of the cylinder block. Also check to insure that a minimum of .060" clearance exists between the crankshaft counterweights and the piston skirts. Be certain to perform this step prior to balancing the crankshaft assembly.
7. Check all auxiliary components to be installed on the crankshaft (flywheel, crank gear, balancer, etc.) for size and alignment prior to final assembly.
8. Always use an anti-friction lubricant during final assembly of your crankshaft.

# Numerical Listing

Part No.	Applications
<b>Cranks -Continued</b>	
BP1000	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 (1985-67) V8
BP1001	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 V8
BP1002	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 (1997-86) V8
BP1003	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 (1997-86) V8
BP1005	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 305, 350 (2002-96) V8
BP1006	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 454 V8
BP1007	GMCAR, GMCTR - 400 (1980-70) V8
BP1008	GMCAR, GMCTR - 396, 402 (1972-65) V8
BP1009	GMCAR, GMCTR, GMMAR, MERCURU - 366, 427 V8
BP1010	GMCAR - 140 (1977-71) L4
BP1011	GMCAR, GMCTR, JEEP - 173 (1986-80) V6
BP1013	GMCAR, GMCTR, GMMAR, MERCURU - 194, 230 (1970-63) L6
BP1014	GMCAR, GMCTR - 235, 261 (1962-53) L6
BP1015	GMCAR, GMCTR - 235, 261 (1962-53) L6
BP1016	GMCAR, GMCTR, MERCURU - 200, 229 V6
BP1017	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 250 L6
BP1018	GMCTR - 305 (1975-73) V6
BP1019	GMCTR - 305 (1973-60) V6
BP1020	GMCAR - 85 (1977-76) L4
BP1021	GMCAR - 98 (1987-81) L4
BP1022	GMCAR - 98 (1978-76) L4
BP1023	GMCTR, GMMAR, MERCURU - 292 L6
BP1027	GMCAR - 98 (1980-79) L4
BP1028	GMCAR, GMCTR, ISUZU - 134 (1997-90) L4
BP1029	GMCTR, GMMAR, MERCURU - 292 L6
BP1030	GMCTR - 351 (1972-60) V6
BP1031	GMCTR - 379, 432, 478 (1978-73) V6
BP1032	GMCTR - 401 (1975-73) V6
BP1033	GMCTR - 401 (1972-60) V6
BP1034	GMCTR - 478 (1972-62) V6
BP1035	GMCAR, GMCTR, JEEP - 173 (1987-84) V6
BP1036	GMCTR - 173 (1993-87) V6
BP1037	GMCAR, ISUZU - 173 (1991-87) V6
BP1038	GMCAR, GMCTR - 189 (1995-88) V6
BP1039	GMCAR, ISUZU - 189 (2002-89) V6
BP1040	GMCAR, GMCTR - 207 (2002-91) V6
BP1041	GMCAR - 262 (1976-75) V8
BP1042	GMCAR, GMCTR - 267 (1982-79) V8
BP1043	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 283 V8
BP1044	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 265, 283 V8
BP1045	GMCAR, GMCTR, GMMAR, MERCURU - 307, 327 (1973-68) V8
BP1046	GMCAR, GMCTR, GMMAR, MERCURU - 327 V8
BP1050	GMCAR - 112 (1982) L4
BP1051	GMCAR - 112 (1982) L4
BP1052	GMCAR, GMCTR - 122 (1984-82) L4
BP1053	GMCAR, GMCTR - 122 (1986-83) L4
BP1054	GMCAR - 122 (1989-87) L4
BP1055	GMCAR, GMCTR - 262 (1985) V6
BP1056	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 262 V6
BP1057	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 262 V6
BP1058	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 305 V8
BP1059	GMCTR - 379 (1991-82) V8
BP1060	GMCTR, GMMAR, MERCURU, OMC - 454 V8
BP1061	GMCTR - 379, 395 (2002-92) V8
BP1062	GMCTR, GMMAR, MERCURU - 427 V8
BP1063	GMCTR - 366 (1997-91) V8
BP1064	GMCAR - 265 (1996-94) V8
BP1065	GMCTR - 262 (2003-00) V6
BP1066	GMCAR, GMCTR, ISUZU - 134 (2002-98) L4
BP1067	GMCTR - 256 (2002-99) L6

Part No.	Applications
<b>Cranks -Continued</b>	
BP1068	GMCTR - 294 (2003-00) V8
BP1069	GMCTR - 294 (2000-99) V8
BP1070	GMCAR, GMCTR - 325, 346, 364 (2003-00) V8
BP1071	GMCAR, GMCTR - 325, 346, 364 (2000-97) V8
BP1501	GMCAR - 250 (1988-82) V8
BP1502	GMCAR - 368 (1984-80) V8
BP1503	GMCAR - 425 (1979-77) V8
BP1504	GMCAR - 472 (1974-68) V8
BP1505	GMCAR - 500 (1976-70) V8
BP1506	GMCAR - 250 (1988-82) V8
BP1508	GMCAR - 273 (1992-88) V8
BP1509	GMCAR - 300 (1995-91) V8
BP1510	GMCAR - 181 (2001-97) V6
BP1511	GMCAR - 281 (1999-93) V8
BP1512	GMCAR - 244, 281 (1999-93) V8
BP1700	SATURN - 116 (1992-91) L4
BP1701	SATURN - 116 (1997-93) L4
BP1702	SATURN - 116 (2000-98) L4
BP1703	SATURN - 134 (2002-00) L4
BP1704	SATURN - 181 (2002-00) L4
BP1801	GEO, GMCAR, SUZUKI - 61 (2001-85) L3
BP1802	GEO, GMCTR, SUZUKI - 97 (2001-89) L4
BP1804	GEO, GMCAR, SUZUKI - 79 (2001-89) L4
BP1805	SUZUKI (1989-86) L4
BP1806	SUZUKI (1990-89) L4
BP2010	FORDT - 429 (1998-79) V8
BP2011	FORDC - 429 (1973-68) V8
BP2012	CHRYSM, FORDM, FORDT, OMC - 460 V8
BP2013	FORDC, FORDT - 460 (1978-72) V8
BP2014	FORDC, FORDM, FORDT, MERCURU, OMC - 351W V8
BP2015	FORDT - 401, 475, 477 (1981-61) V8
BP2016	FORDT - 534 (1981-61) V8
BP2017	FORDC, FORDM, FORDT, MERCURU, OMC - 351W V8
BP2018	FORDC, FORDT - 400 (1982-71) V8
BP2019	FORDC, FORDT - 351M (1981-75) V8
BP2020	FORDC, FORDT - 223 (1964-61) L6
BP2021	FORDC, FORDT - 232 (1983-82) V6
BP2022	FORDC, FORDT - 240 (1974-65) L6
BP2023	FORDC, FORDT - 250 (1980-69) L6
BP2024	FORDT - 262 (1964-61) L6
BP2025	FORDT - 262 (1964-61) L6
BP2026	FORDT - 300 (1982-65) L6
BP2027	FORDT - 300 (1981-65) L6
BP2028	FORDT - 300 (1997-82) L6
BP2029	FORDC, FORDT, MAZDA - 183 (1999-86) V6
BP2030	FORDT - 177 (1992-90) V6
BP2031	FORDC, FORDT - 177 (1990-86) V6
BP2032	FORDC - 232 (1993-88) V6
BP2033	FORDC - 232 (1995-89) V6
BP2034	FORDC, FORDT - 232 (1995-94) V6
BP2035	FORDC, FORDT - 232 (2000-96) V6
BP2036	FORDC, FORDT - 255 (1982-80) V8
BP2037	FORDC, FORDT - 221, 260, 289 (1968-62) V8
BP2038	FORDC, FORDT - 272, 292 (1964-55) V8
BP2039	FORDC, FORDT - 292 (1964-55) V8
BP2040	FORDC, FORDM, FORDT, MERCURU, OMC - 302 V8
BP2041	FORDC, FORDM, FORDT, MERCURU, OMC - 302 V8
BP2042	FORDC, FORDM, FORDT, MERCURU, OMC - 302 V8
BP2043	FORDC - 351C (1974-70) V8
BP2044	FORDC, FORDT - 330, 352, 360 (1978-58) V8

# Numerical Listing

*-Continued*

Part No.	Applications
<b>Crank</b> -Continued	
BP2045	FORDT - 330, 359, 361 (1978-64) V8
BP2046	FORDT - 370 (1987-79) V8
BP2047	FORDT - 389, 391 (1978-64) V8
BP2048	FORDC, FORDT - 390 (1976-61) V8
BP2050	FORDC - 98 (1983-81) L4
BP2051	FORDC - 98 (1980-78) L4
BP2052	FORDC - 98 (1973-71) L4
BP2053	FORDC - 122 (1974-71) L4
BP2054	FORDC, FORDT - 122, 140 (1991-82) L4
BP2055	FORDC, FORDT - 140 (1981-74) L4
BP2056	FORDC - 140 (1985-84) L4
BP2057	FORDC - 140 (1994-86) L4
BP2058	FORDC - 98 (1985-83) L4
BP2059	FORDC - 116 (1986-85) L4
BP2060	FORDC - 153 (1991-86) L4
BP2061	FORDC - 116 (1996-87) L4
BP2062	FORDC, FORDT - 140 (1997-91) L4
BP2063	FORDC, FORDT - 144 (1964-60) L6
BP2064	FORDC - 159 (1973-72) V6
BP2065	FORDC, FORDT - 170 (1972-61) L6
BP2066	FORDC - 171 (1979-74) V6
BP2067	FORDC, FORDT - 171 (1986-74) V6
BP2068	FORDC, FORDT - 232 (1987-83) V6
BP2069	FORDC - 200 (1983-81) L6
BP2070	FORDC, FORDT - 200 (1983-65) L6
BP2071	FORDT - 420, 445 (1994-83) V8
BP2072	CHRYSM, FORDM, FORDT, OMC - 460 V8
BP2073	FORDC, FORDT - 281 (2001-91) V8
BP2074	FORDC, FORDT - 281 (2001-96) V8
BP2080	FORDTRA - 120 L4
BP2081	FORDTRA - 134, 172 L4
BP2082	FORDT - 256 (2001-97) V6
BP2083	FORDC - 122 (2000-95) L4
BP2084	FORDT - 370 (1991-88) V8
BP2085	FORDC - 122 (2002-97) L4
BP2086	FORDC - 155, 183 (2001-95) V6
BP2087	FORDT - 150 (2000-98) L4
BP2088	FORDC - 183, 195 (1995-89) V6
BP2089	FORDC, FORDT - 183 (2000-95) V6
BP2090	FORDT - 244 (2002-97) V6
BP2091	FORDT - 244 (2000-97) V6
BP2092	FORDC - 281 (2002-93) V8
BP2093	FORDC - 281 (2002-96) V8
BP2094	FORDT - 330 (2002-97) V8
BP2095	FORDT - 415 (2002-97) V10
BP2096	FORDT - 445 (2000-94) V8
BP2800	FORDT, MAZDA - 110 (1978-72) L4
BP2801	FORDT, MAZDA - 122 (1984-79) L4
BP2802	FORDT, MAZDA - 244 (1994-90) V6
BP2803	FORDT, MAZDA - 244 (1996-95) V6
BP2804	MAZDA (1980-76) L4
BP2805	MAZDA (1980-76) L4
BP2806	MAZDA - 91 (1985-81) L4
BP2807	MAZDA (1987-83) L4
BP2808	FORDC, MAZDA - 133 (1993-87) L4
BP2809	FORDC, MAZDA - 98 (1994-86) L4
BP2810	FORDC, MAZDA - 98 (1993-88) L4
BP2811	MAZDA (1998-88) V6
BP2812	MAZDA (1998-88) V6
BP2813	MAZDA (1998-88) V6

Part No.	Applications
<b>Crank</b> -Continued	
BP2814	FORDC, KIA, MAZDA - 98 (1997-91) L4
BP2815	FORDC, MAZDA - 112 (1993-90) L4
BP2816	FORDC, KIA, MAZDA - 112 (2000-91) L4
BP2817	FORDC - 81 (1992-88) L4
BP2818	FORDC, MAZDA - 81 (1998-92) L4
BP2820	KIA (2000-95) L4
BP2821	FORDC, MAZDA - 122 (1997-93) L4
BP2822	MAZDA (1994-92) V6
BP2823	MAZDA (2000-95) V6
BP2824	FORDC, MAZDA - 152 (1997-93) V6
BP2825	MAZDA (1994-89) L4
BP3010	CHRYSC, DODGET - 135 (1985-81) L4
BP3011	CHRYSC, DODGET - 135 (1988-86) L4
BP3012	CHRYSC, DODGET - 153 (1988-86) L4
BP3013	CHRYSC, DODGET - 135 (1994-89) L4
BP3014	CHRYSC, DODGET - 153 (1995-89) L4
BP3015	CHRYSC, CHRYSM, DODGET - 170 L6
BP3016	CHRYSC, CHRYSM, DODGET - 170 L6
BP3017	CHRYSC, DODGET - 198 (1974-70) L6
BP3018	CHRYSC, CHRYSM, DODGET - 225 L6
BP3019	CHRYSC, CHRYSM, DODGET - 225 L6
BP3020	CHRYSC, CHRYSM, DODGET - 225 (1985-68) L6
BP3021	CHRYSC, CHRYSM, DODGET - 225 L6
BP3022	DODGET - 239 (2001-86) V6
BP3023	CHRYSC, MITSUB - 215 (1997-93) V6
BP3024	CHRYSC, DODGET - 201 (2001-90) V6
BP3030	CHRYSC, CHRYSM, DODGET - 273, 318, 340 V8
BP3031	CHRYSC, CHRYSM, DODGET, JEEP - 273, 318, 340 V8
BP3032	CHRYSC, CHRYSM, DODGET, JEEP - 360 (2001-98) V8
BP3033	CHRYSC, DODGET - 383, 400 (1979-70) V8
BP3034	CHRYSC, DODGET - 361, 383, 400 (1979-62) V8
BP3035	CHRYSC, CHRYSM, DODGET - 413, 426, 440 V8
BP3036	CHRYSC, DODGET - 413, 426 (1977-60) V8
BP3037	CHRYSC, DODGET - 361 (1973-62) V8
BP3038	CHRYSC, CHRYSM, DODGET - 440 V8
BP3039	CHRYSC - 167 (2002-98) V6
BP3040	CHRYSC, EAGLE, MITSUB - 122 (1995) L4
BP3041	DODGET, JEEP - 287 (2003-99) V8
BP3042	CHRYSC, EAGLE, MITSUB - 122 (2002-96) L4
BP3043	CHRYSC, DODGET - 148 (2002-95) L4
BP3044	CHRYSC - 195 (2001-98) V6
BP3045	CHRYSC, DODGET - 230 (2001-91) V6
BP3046	DODGET - 488 (2000-92) V10
BP4030	GM CAR - 122 (1991-87) L4
BP4031	GM CAR - 122 (1994-92) L4
BP4032	GM CAR - 122 (1994-92) L4
BP4033	GM CAR - 265 (1981-80) V8
BP4034	GM CAR - 301 (1981-77) V8
BP4035	GM CAR - 350 (1977-75) V8
BP4036	GM CAR - 326, 350 (1976-66) V8
BP4037	GM CAR - 400 (1979-76) V8
BP4038	GM CAR - 389, 400 (1975-64) V8
BP4039	GM CAR - 455 (1976-70) V8
BP4040	GM CAR - 326 (1965-64) V8
BP4041	GM CAR - 421, 428 (1969-64) V8
BP4042	GM CAR - 151 (1978-77) L4
BP4044	GM CAR - 151 (1984-80) L4
BP4045	GM CAR - 151 (1984-82) L4
BP4046	AMC, JEEP - 151 (1983-80) L4
BP4047	GMCTR - 151 (1985) L4

# Numerical Listing

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Part No.	Applications
<b>Cranks -Continued</b>	
BP4048	GMCAR, GMCTR - 151 (1985) L4
BP4049	GMCAR - 151 (1985) L4
BP4050	GMCAR - 112 (1986-82) L4
BP4051	GMCAR - 151 (1986-85) L4
BP4052	GMCAR - 151 (1986-85) L4
BP4053	GMCAR - 151 (1992-89) L4
BP4054	GMCAR - 151 (1992-89) L4
BP4055	GMCAR, GMCTR - 151 (1986-85) L4
BP4056	GMCAR - 151 (1986-85) L4
BP4057	GMCAR, GMCTR - 151 (1986-85) L4
BP4058	GMCTR - 151 (1986-85) L4
BP4059	GMCAR - 151 (1992-88) L4
BP4060	GMCAR, GMCTR - 151 (1993-88) L4
BP4061	GMCTR - 151 (1990-87) L4
BP4062	GMCTR - 151 (1990-87) L4
BP4063	GMCAR - 151 (1987) L4
BP4064	GMCAR - 151 (1987) L4
BP4065	GMCAR, GMCTR - 151 (1990-87) L4
BP4066	GMCAR - 151 (1988-87) L4
BP4067	GMCTR - 151 (1993-88) L4
BP4068	GMCTR - 151 (1993-88) L4
BP4069	AMC, GMCAR, JEEP - 151 (1984-79) L4
BP4070	GMCAR, GMCTR - 151 (1985) L4
BP4071	GMCAR - 146 (2001-96) L4
BP4072	GMCAR - 151 (1988-87) L4
BP4073	GMCAR - 151 (1988-87) L4
BP4074	GMCAR - 151 (1987) L4
BP5050	GMCAR, JEEP - 225, 231 (1977-64) V6
BP5051	GMCAR, GMCTR - 196, 231, 252 (1987-77) V6
BP5052	GMCAR - 181 (1985-82) V6
BP5053	GMCAR - 181 (1988-85) V6
BP5054	GMCAR - 231 (1988-84) V6
BP5055	GMCAR - 231 (1990-88) V6
BP5056	GMCAR, GMCTR - 231 (1993-91) V6
BP5057	GMCAR - 204 (1993-89) V6
BP5058	GMCAR - 231 (2001-95) V6
BP5059	GMCTR - 231 (1994) V6
BP5060	GMCAR, GMCTR - 231 (1995) V6
BP5061	GMCAR - 400, 430, 455 (1976-67) V8
BP5062	GMCAR - 204 (1993-89) V6
BP5063	GMCAR, JEEP - 340, 350 (1981-66) V8
BP5064	GMCAR - 231 (1994) V6
BP5801	GMCAR, GMCTR - 110, 111 (1982-76) L4
BP5802	GMCTR - 111 (1975-73) L4
BP5803	GMCTR - 111 (1972) L4
BP5804	GMCTR, ISUZU - 119 (1985-81) L4
BP5805	ISUZU (1995-86) L4
BP5806	HONDA, ISUZU (1996-88) L4
BP5807	GEO, GMCAR, ISUZU - 90, 92 (1989-85) L4
BP5808	GEO, GMCAR, ISUZU - 90, 92 (1989-87) L4
BP5809	ISUZU (1987-86) L4
BP5810	GMCTR, ISUZU - 137 (1987-80) L4
BP5811	ACURA, HONDA, ISUZU (1997-96) V6
BP5812	HONDA, ISUZU (1995-92) V6
BP5813	HONDA, ISUZU (2000-98) V6
BP5814	GEO, ISUZU - 110 (1993-92) L4
BP5815	ISUZU (1997-95) L4
BP5816	ISUZU (2000-98) V6
BP5817	GEO, ISUZU - 97 (1993-90) L4
BP5818	ISUZU (1989-85) L4

Part No.	Applications
<b>Cranks -Continued</b>	
BP6060	JEEP - 134 (1972-46) L4
BP6061	JEEP - 134 (1972-46) L4
BP6062	AMC - 121 (1979-77) L4
BP6063	AMC, JEEP, NAVITRK - 232 (1979-72) L6
BP6064	AMC, JEEP, NAVITRK - 232 (1971-64) L6
BP6065	AMC, JEEP - 258 (1988-81) L6
BP6066	AMC, JEEP, NAVITRK - 258 (1980-72) L6
BP6067	AMC, JEEP, NAVITRK - 258 (1972-69) L6
BP6068	AMC, JEEP - 150 (1988-83) L4
BP6069	AMC, JEEP - 304, 360 (1991-72) V8
BP6070	AMC, JEEP - 304, 360 (1971-70) V8
BP6071	AMC, JEEP, NAVITRK - 401 (1978-72) V8
BP6072	JEEP - 242 (1995-91) L6
BP6073	JEEP - 242 (1990-87) L6
BP6074	AMC, JEEP - 258 (1990-87) L6
BP6075	DODGET, JEEP - 150 (2002-91) L4
BP6076	AMC, EAGLE, JEEP - 150 (1990-87) L4
BP6077	AMC, RENAUL - 85 (1987-83) L4
BP6078	JEEP - 242 (2001-96) L6
BP6501	CHRYSC, MITSUB - 86, 89.6 (1988-78) L4
BP6502	CHRYSC, EAGLE - 107, 97.5 (1994-79) L4
BP6503	CHRYSC, MITSUB - 97.5 (1994-78) L4
BP6504	CHRYSC, MITSUB - 97.5 (1994-76) L4
BP6505	CHRYSC - 97.5 (1976) L4
BP6506	CHRYSC - 97.5 (1980-79) L4
BP6507	CHRYSC - 97.5 (1978-76) L4
BP6508	CHRYSC, DODGET - 122 (1982-79) L4
BP6509	CHRYSC - 122 (1978-76) L4
BP6510	CHRYSC - 122 (1978-76) L4
BP6511	CHRYSC, DODGET, MITSUB - 156 (1989-79) L4
BP6512	CHRYSC, DODGET - 156 (1978) L4
BP6513	CHRYSC, DODGET - 156 (1978) L4
BP6514	CHRYSC, HYUNDA, MITSUB - 89.6 (1990-85) L4
BP6515	CHRYSC, DODGET, HYUNDA, MITSUB - 152, 181 (2000-87) V6
BP6516	CHRYSC, DODGET, MITSUB - 122 (1984-83) L4
BP6517	CHRYSC, DODGET, EAGLE, HYUNDA, MITSUB - 122 (1999-83) L4
BP6518	CHRYSC, EAGLE, HYUNDA, MITSUB - 122 (1999-91) L4
BP6519	CHRYSC, EAGLE, HYUNDA, MITSUB - 89.6, 90 (2000-89) L4
BP6520	HYUNDA (1993) L4
BP6521	HYUNDA (1995-94) L4
BP6522	HYUNDA (2000-95) L4
BP6523	CHRYSC, EAGLE, HYUNDA - 97.3, 98 (1995-89) L4
BP6525	CHRYSC, DODGET, EAGLE, HYUNDA, MITSUB - 143, 143.4 (1993-85) L4
BP6526	CHRYSC, EAGLE, MITSUB - 112 (1996-92) L4
BP6527	MITSUB (1994-93) L4
BP6528	CHRYSC, EAGLE, MITSUB - 143, 143.4 (2000-93) L4
BP6529	MITSUB (2000-94) V6
BP6530	CHRYSC, MITSUB - 181 (2000-91) V6
BP6801	NAVITRK - 304 (1980-59) V8
BP6802	NAVITRK - 345, 392 (1984-59) V8
BP6803	NAVITRK - 404 (1985-75) V8
BP6804	NAVITRK - 446 (1985-75) V8
BP6805	NAVITRK - 478 (1976-56) V8
BP6806	NAVITRK - 549 (1976-61) V8
BP7010	TOYOTA (1979-69) L4
BP7011	TOYOTA (1984-81) L4
BP7012	TOYOTA (1988-80) L4
BP7013	TOYOTA (1979-71) L4
BP7014	TOYOTA (1982-80) L4
BP7015	TOYOTA (1983-80) L4

# Numerical Listing

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Part No.	Applications
<b>Cranks -Continued</b>	
BP7016	TOYOTA (1974-69) L4
BP7017	TOYOTA (1982-75) L4
BP7018	TOYOTA (1984-68) L6
BP7019	TOYOTA (1984-82) L4
BP7020	TOYOTA (1988-84) L6
BP7021	TOYOTA (1987-69) L6
BP7022	TOYOTA (1990-84) L4
BP7023	TOYOTA (1995-84) L4
BP7024	GEO, GMCAR, TOYOTA - 98 (1997-83) L4
BP7025	TOYOTA (1999-87) L4
BP7026	TOYOTA (1988-86) L4
BP7027	TOYOTA (1991-86) L4
BP7028	TOYOTA (1995-88) L4
BP7029	GEO, GMCAR, TOYOTA - 98 (1997-85) L4
BP7030	GEO, GMCAR, TOYOTA - 98 (1992-85) L4
BP7031	TOYOTA (1993-90) L4
BP7032	TOYOTA (1994-92) L4
BP7033	TOYOTA (2000-94) L4
BP7034	TOYOTA (1992-86) L6
BP7035	LEXUS, TOYOTA - 153 (1991-88) V6
BP7036	TOYOTA (1995-88) V6
BP7037	LEXUS, TOYOTA - 180 (1993-92) V6
BP7038	LEXUS, TOYOTA - 183 (2001-94) V6
BP7039	TOYOTA (2000-95) V6
BP7040	TOYOTA (2000-94) L4
BP7041	GEO, TOYOTA - 107 (1997-93) L4
BP7042	GMCAR, TOYOTA - 110 (2000-98) L4
BP7043	TOYOTA (1986-83) L4
BP7044	TOYOTA (2000-96) L4
BP7045	TOYOTA (1995-90) L4
BP7046	TOYOTA (2000-90) L4
BP7047	LEXUS, TOYOTA - 184 (1998-92) L6
BP7048	TOYOTA (1992-88) L6
BP7049	LEXUS, TOYOTA (1998-93) L6
BP7501	CHRYSC - 105 (1983-78) L4
BP7502	VOLKSW (1966-60) H4
BP7503	VOLKSW (1979-66) H4
BP7504	VOLKSW (1975-71) H4
BP7505	VOLKSW (1980-78) L4
BP7506	AUDI, VOLKSW (1980-73) L4
BP7507	AUDI, VOLKSW - 97 (1980-74) L4
BP7508	VOLKSW (1984-81) L4
BP7509	AUDI, VOLKSW - 103 (1984-81) L4
BP8001	HONDA (1979-72) L4
BP8002	HONDA (1983-80) L4
BP8003	HONDA (1983-75) L4
BP8004	HONDA (1978-76) L4
BP8005	HONDA (1983-80) L4
BP8006	HONDA (1980-79) L4
BP8007	HONDA (1989-83) L4
BP8008	ACURA, HONDA (1993-90) L4
BP8009	HONDA (1991-88) L4
BP8010	HONDA (1987-84) L4
BP8012	HONDA (1987-84) L4
BP8013	ACURA, HONDA - 97 (1995-86) L4
BP8014	ACURA, HONDA - 97 (2000-88) L4
BP8015	ACURA - 97 (1989-88) L4
BP8016	ACURA - 102 (1993-92) L4
BP8017	ACURA (2000-94) L4
BP8018	ACURA - 112 (2000-90) L4

Part No.	Applications
<b>Cranks -Continued</b>	
BP8019	ACURA, HONDA, ISUZU (1997-94) L4
BP8020	ACURA - 150 (1994-92) L5
BP8021	ACURA, HONDA - 163 (1997-86) V6
BP8022	ACURA - 196 (1998-91) V6
BP8023	HONDA (1995-88) L4
BP8024	HONDA (1995-88) L4
BP8026	HONDA (1991-88) L4
BP8027	HONDA (2000-94) L4
BP8028	HONDA (1989-86) L4
BP8029	HONDA (1990-88) L4
BP8030	HONDA (1991-88) L4
BP8400	SUBARU (1996-90) H4
BP8500	NISSAN (1973-71) L4
BP8501	NISSAN (1982-80) L4
BP8502	NISSAN (1982-75) L4
BP8503	NISSAN (1981-79) L4
BP8504	NISSAN (1984-82) L4
BP8505	NISSAN (1973-67) L4
BP8506	NISSAN (1974-73) L4
BP8507	NISSAN (1986-74) L4
BP8508	NISSAN (2000-89) L4
BP8509	INFINI, NISSAN - 122 (2000-91) L4
BP8510	NISSAN (1982-70) L6
BP8511	NISSAN (1983-75) L6
BP8512	NISSAN (1983-81) L4
BP8513	NISSAN (1988-83) L4
BP8514	NISSAN (2000-89) L4
BP8515	NISSAN (1989-83) L4
BP8516	NISSAN (1987-84) V6
BP8517	FORDT, INFINI, NISSAN - 183 (1996-87) V6
BP8518	FORDT, NISSAN - 183 (1999-96) V6
BP8519	NISSAN (2000-89) L4
BP8520	NISSAN (2000-89) L4
BP8521	NISSAN (2000-89) L4
BP8522	INFINI, NISSAN (1997-90) V6
BP8523	INFINI, NISSAN (2001-95) V6
BP8524	INFINI (1996-90) V8
BP8525	NISSAN (1989-82) L4
BP8526	NISSAN (1984-82) L6
BP8527	NISSAN (1994-91) V6
BP8528	NISSAN - 180 (2000-96) V6
BP8529	NISSAN (1987-84) L4
BP8530	NISSAN (1989-87) L4
BP9010	GMCAR - 138 (1988-87) L4
BP9011	GMCAR - 138 (1994-89) L4
BP9012	GMCAR - 260 (1985-82) V6
BP9013	GMCAR - 260 (1982-75) V8
BP9014	GMCAR - 307 (1990-80) V8
BP9015	GMCAR - 350 (1980-68) V8
BP9016	GMCAR, GMCTR - 350 (1985-78) V8
BP9017	GMCAR - 400 (1968) V8
BP9018	GMCAR - 400, 425 (1967-65) V8
BP9019	GMCAR - 403 (1979-77) V8
BP9020	GMCAR - 455 (1976-68) V8
BP9021	GMCAR - 260 (1985-82) V6
BP9022	GMCAR - 138 (1995) L4
BP9023	GMCAR - 244 (1999-95) V8
BP9024	GMCAR - 214 (2001-99) V6

# Numerical Listing

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Part No.	Applications
<b>New Cranks</b>	
C350	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 V8
C350-1	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 V8
C400	GMCAR, GMCTR - 400 (1980-70) V8
C428	FORDC - 428 (1970-66) V8
C454	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 454, 502 V8
C454-1	GMCTR, GMMAR, MERCURU, OMC - 454 V8
C455P	GMCAR - 455 (1976-70) V8
CF454	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 454, 502 V8

<b>Crank Kits</b>	
KBP1000	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 (1985-67) V8
KBP1001	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 V8
KBP1002	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 (1997-86) V8
KBP1003	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 (1997-86) V8
KBP1005	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 305, 350 (2002-96) V8
KBP1006	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 454 V8
KBP1007	GMCAR, GMCTR - 400 (1980-70) V8
KBP1008	GMCAR, GMCTR - 396, 402 (1972-65) V8
KBP1009	GMCAR, GMCTR, GMMAR, MERCURU - 366, 427 V8
KBP1010	GMCAR - 140 (1977-71) L4
KBP1011	GMCAR, GMCTR, JEEP - 173 (1986-80) V6
KBP1013	GMCAR, GMCTR, GMMAR, MERCURU - 194, 230 (1970-63) L6
KBP1014	GMCAR, GMCTR - 235, 261 (1962-53) L6
KBP1015	GMCAR, GMCTR - 235, 261 (1962-53) L6
KBP1016	GMCAR, GMCTR, MERCURU - 200, 229 V6
KBP1017	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 250 L6
KBP1018	GMCTR - 305 (1975-73) V6
KBP1019	GMCTR - 305 (1973-60) V6
KBP1020	GMCAR - 85 (1977-76) L4
KBP1021	GMCAR - 98 (1987-81) L4
KBP1022	GMCAR - 98 (1978-76) L4
KBP1023	GMCTR, GMMAR, MERCURU - 292 L6
KBP1027	GMCAR - 98 (1980-79) L4
KBP1028A	GMCAR, GMCTR, ISUZU - 134 (1997-90) L4
KBP1028B	GMCAR - 134 (1997) L4
KBP1029	GMCTR, GMMAR, MERCURU - 292 L6
KBP1030	GMCTR - 351 (1972-60) V6
KBP1031	GMCTR - 379, 432, 478 (1978-73) V6
KBP1032	GMCTR - 401 (1975-73) V6
KBP1033	GMCTR - 401 (1972-60) V6
KBP1034	GMCTR - 478 (1972-62) V6
KBP1035	GMCAR, GMCTR, JEEP - 173 (1987-84) V6
KBP1036	GMCTR - 173 (1993-87) V6
KBP1037	GMCAR, ISUZU - 173 (1991-87) V6
KBP1038	GMCAR, GMCTR - 189 (1995-88) V6
KBP1039	GMCAR, ISUZU - 189 (2002-89) V6
KBP1040	GMCAR, GMCTR - 207 (2002-91) V6
KBP1041	GMCAR - 262 (1976-75) V8
KBP1042	GMCAR, GMCTR - 267 (1982-79) V8
KBP1043	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 283 V8
KBP1044	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 265, 283 V8
KBP1045	GMCAR, GMCTR, GMMAR, MERCURU - 307, 327 (1973-68) V8
KBP1046	GMCAR, GMCTR, GMMAR, MERCURU - 327 V8
KBP1050	GMCAR - 112 (1982) L4
KBP1051	GMCAR - 112 (1982) L4
KBP1052	GMCAR, GMCTR - 122 (1984-82) L4
KBP1053	GMCAR, GMCTR - 122 (1986-83) L4
KBP1054	GMCAR - 122 (1989-87) L4
KBP1055	GMCAR, GMCTR - 262 (1985) V6
KBP1056	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 262 V6

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP1057	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 262 V6
KBP1058	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 305 V8
KBP1059	GMCTR - 379 (1991-82) V8
KBP1060	GMCTR, GMMAR, MERCURU, OMC - 454 V8
KBP1061	GMCTR - 379, 395 (2002-92) V8
KBP1062	GMCTR, GMMAR, MERCURU - 427 V8
KBP1063	GMCTR - 366 (1997-91) V8
KBP1064	GMCAR - 265 (1996-94) V8
KBP1065	GMCTR - 262 (2003-00) V6
KBP1066	GMCAR, GMCTR, ISUZU - 134 (2002-98) L4
KBP1067	GMCTR - 256 (2002-99) L6
KBP1068	GMCTR - 294 (2003-00) V8
KBP1069	GMCTR - 294 (2000-99) V8
KBP1070	GMCAR, GMCTR - 325, 346, 364 (2003-00) V8
KBP1071	GMCAR, GMCTR - 325, 346, 364 (2000-97) V8
KBP1501	GMCAR - 250 (1988-82) V8
KBP1502	GMCAR - 368 (1984-80) V8
KBP1503	GMCAR - 425 (1979-77) V8
KBP1504	GMCAR - 472 (1974-68) V8
KBP1505	GMCAR - 500 (1976-70) V8
KBP1506	GMCAR - 250 (1988-82) V8
KBP1508	GMCAR - 273 (1992-88) V8
KBP1509	GMCAR - 300 (1995-91) V8
KBP1510	GMCAR - 181 (2001-97) V6
KBP1511	GMCAR - 281 (1999-93) V8
KBP1512	GMCAR - 244, 281 (1999-93) V8
KBP1700	SATURN - 116 (1992-91) L4
KBP1701	SATURN - 116 (1997-93) L4
KBP1702	SATURN - 116 (2000-98) L4
KBP1703	SATURN - 134 (2002-00) L4
KBP1704	SATURN - 181 (2002-00) L4
KBP1801	GEO, GMCAR, SUZUKI - 61 (2001-85) L3
KBP1802	GEO, GMCTR, SUZUKI - 97 (2001-89) L4
KBP1804	GEO, GMCAR, SUZUKI - 79 (2001-89) L4
KBP1805	SUZUKI (1989-86) L4
KBP1806	SUZUKI (1990-89) L4
KBP2010	FORDT - 429 (1998-79) V8
KBP2011	FORDC - 429 (1973-68) V8
KBP2012	CHRYSM, FORDM, FORDT, OMC - 460 V8
KBP2013	FORDC, FORDT - 460 (1978-72) V8
KBP2014	FORDC, FORDM, FORDT, MERCURU, OMC - 351W V8
KBP2015	FORDT - 401, 475, 477 (1981-61) V8
KBP2016	FORDT - 534 (1981-61) V8
KBP2017A	FORDC, FORDM, FORDT, MERCURU, OMC - 351W V8
KBP2017B	FORDC, FORDM, FORDT, MERCURU, OMC - 351W V8
KBP2018A	FORDC - 400 (1976-71) V8
KBP2018B	FORDC, FORDT - 400 (1982-77) V8
KBP2019A	FORDC - 351M (1976-75) V8
KBP2019B	FORDC, FORDT - 351M (1981-77) V8
KBP2020	FORDC, FORDT - 223 (1964-61) L6
KBP2021	FORDC, FORDT - 232 (1983-82) V6
KBP2022	FORDC, FORDT - 240 (1974-65) L6
KBP2023	FORDC, FORDT - 250 (1980-69) L6
KBP2024	FORDT - 262 (1964-61) L6
KBP2025	FORDT - 262 (1964-61) L6
KBP2026	FORDT - 300 (1982-65) L6
KBP2027	FORDT - 300 (1981-65) L6
KBP2028	FORDT - 300 (1997-82) L6
KBP2029	FORDC, FORDT, MAZDA - 183 (1999-86) V6
KBP2030	FORDT - 177 (1992-90) V6

# Numerical Listing

*-Continued*

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP2031	FORDC, FORDT - 177 (1990-86) V6
KBP2032	FORDC - 232 (1993-88) V6
KBP2033	FORDC - 232 (1995-89) V6
KBP2034	FORDC, FORDT - 232 (1995-94) V6
KBP2035	FORDC, FORDT - 232 (2000-96) V6
KBP2036	FORDC, FORDT - 255 (1982-80) V8
KBP2037	FORDC, FORDT - 221, 260, 289 (1968-62) V8
KBP2038	FORDC, FORDT - 272, 292 (1964-55) V8
KBP2039	FORDC, FORDT - 292 (1964-55) V8
KBP2040	FORDC, FORDM, FORDT, MERCUR, OMC - 302 V8
KBP2041	FORDC, FORDM, FORDT, MERCUR, OMC - 302 V8
KBP2042	FORDC, FORDM, FORDT, MERCUR, OMC - 302 V8
KBP2043	FORDC - 351C (1974-70) V8
KBP2044A	FORDC, FORDT - 330, 352 (1965-64) V8
KBP2044B	FORDC, FORDT - 330, 352, 360 (1978-66) V8
KBP2045A	FORDT - 330, 361 (1965-64) V8
KBP2045B	FORDT - 330, 359, 361 (1978-66) V8
KBP2046	FORDT - 370 (1987-79) V8
KBP2047A	FORDT - 391 (1965-64) V8
KBP2047B	FORDT - 389, 391 (1978-66) V8
KBP2048	FORDC, FORDT - 390 (1976-61) V8
KBP2050	FORDC - 98 (1983-81) L4
KBP2051	FORDC - 98 (1980-78) L4
KBP2052	FORDC - 98 (1973-71) L4
KBP2053	FORDC - 122 (1974-71) L4
KBP2054	FORDC, FORDT - 122, 140 (1991-82) L4
KBP2055	FORDC, FORDT - 140 (1981-74) L4
KBP2056	FORDC - 140 (1985-84) L4
KBP2057	FORDC - 140 (1994-86) L4
KBP2058	FORDC - 98 (1985-83) L4
KBP2059	FORDC - 116 (1986-85) L4
KBP2060	FORDC - 153 (1991-86) L4
KBP2061	FORDC - 116 (1996-87) L4
KBP2062	FORDC, FORDT - 140 (1997-91) L4
KBP2063	FORDC, FORDT - 144 (1964-60) L6
KBP2064	FORDC - 159 (1973-72) V6
KBP2065	FORDC, FORDT - 170 (1972-61) L6
KBP2066	FORDC - 171 (1979-74) V6
KBP2067	FORDC, FORDT - 171 (1986-74) V6
KBP2068	FORDC, FORDT - 232 (1987-83) V6
KBP2069	FORDC - 200 (1983-81) L6
KBP2070A	FORDC - 200 (1975-65) L6
KBP2070B	FORDC, FORDT - 200 (1983-65) L6
KBP2071	FORDT - 420, 445 (1994-83) V8
KBP2072	CHRYSM, FORDM, FORDT, OMC - 460 V8
KBP2073A	FORDC, FORDT - 281 (2001-93) V8
KBP2073B	FORDC - 281 (1992-91) V8
KBP2074	FORDC, FORDT - 281 (2001-96) V8
KBP2080	FORDTRA - 120 L4
KBP2081	FORDTRA - 134, 172 L4
KBP2082	FORDT - 256 (2001-97) V6
KBP2083	FORDC - 122 (2000-95) L4
KBP2084	FORDT - 370 (1991-88) V8
KBP2085	FORDC - 122 (2002-97) L4
KBP2086	FORDC - 155, 183 (2001-95) V6
KBP2087	FORDT - 150 (2000-98) L4
KBP2088	FORDC - 183, 195 (1995-89) V6
KBP2089	FORDC, FORDT - 183 (2000-95) V6
KBP2090	FORDT - 244 (2002-97) V6
KBP2091	FORDT - 244 (2000-97) V6

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP2092	FORDC - 281 (2002-93) V8
KBP2093	FORDC - 281 (2002-96) V8
KBP2094	FORDT - 330 (2002-97) V8
KBP2095	FORDT - 415 (2002-97) V10
KBP2096	FORDT - 445 (2000-94) V8
KBP2800	FORDT, MAZDA - 110 (1978-72) L4
KBP2801	FORDT, MAZDA - 122 (1984-79) L4
KBP2802	FORDT, MAZDA - 244 (1994-90) V6
KBP2803	FORDT, MAZDA - 244 (1996-95) V6
KBP2804	MAZDA (1980-76) L4
KBP2805	MAZDA (1980-76) L4
KBP2806	MAZDA - 91 (1985-81) L4
KBP2807A	MAZDA (1985-83) L4
KBP2807B	MAZDA (1987-83) L4
KBP2807C	MAZDA (1987-83) L4
KBP2808	FORDC, MAZDA - 133 (1993-87) L4
KBP2809	FORDC, MAZDA - 98 (1994-86) L4
KBP2810	FORDC, MAZDA - 98 (1993-88) L4
KBP2811	MAZDA (1998-88) V6
KBP2812	MAZDA (1998-88) V6
KBP2813	MAZDA (1998-88) V6
KBP2814	FORDC, KIA, MAZDA - 98 (1997-91) L4
KBP2815	FORDC, MAZDA - 112 (1993-90) L4
KBP2816	FORDC, KIA, MAZDA - 112 (2000-91) L4
KBP2817	FORDC - 81 (1992-88) L4
KBP2818	FORDC, MAZDA - 81 (1998-92) L4
KBP2820	KIA (2000-95) L4
KBP2821	FORDC, MAZDA - 122 (1997-93) L4
KBP2822	MAZDA (1994-92) V6
KBP2823	MAZDA (2000-95) V6
KBP2824	FORDC, MAZDA - 152 (1997-93) V6
KBP2825	MAZDA (1994-89) L4
KBP3010	CHRYSC, DODGET - 135 (1985-81) L4
KBP3011	CHRYSC, DODGET - 135 (1988-86) L4
KBP3012	CHRYSC, DODGET - 153 (1988-86) L4
KBP3013	CHRYSC, DODGET - 135 (1994-89) L4
KBP3014	CHRYSC, DODGET - 153 (1995-89) L4
KBP3015	CHRYSC, CHRYSM, DODGET - 170 L6
KBP3016	CHRYSC, CHRYSM, DODGET - 170 L6
KBP3017	CHRYSC, DODGET - 198 (1974-70) L6
KBP3018	CHRYSC, CHRYSM, DODGET - 225 L6
KBP3019	CHRYSC, CHRYSM, DODGET - 225 L6
KBP3020	CHRYSC, CHRYSM, DODGET - 225 (1985-68) L6
KBP3021	CHRYSC, CHRYSM, DODGET - 225 L6
KBP3022	DODGET - 239 (2001-86) V6
KBP3023	CHRYSC, MITSUB - 215 (1997-93) V6
KBP3024	CHRYSC, DODGET - 201 (2001-90) V6
KBP3030A	CHRYSC, DODGET - 273, 318 (1973-62) V8
KBP3030B	CHRYSC, DODGET - 318 (1979-74) V8
KBP3030C	CHRYSC - 340 (1972-68) V8
KBP3031A	CHRYSC, DODGET, JEEP - 273, 318 (1998-64) V8
KBP3031B	CHRYSC, DODGET - 318 (2001-76) V8
KBP3031C	CHRYSC - 340 (1973-72) V8
KBP3032A	CHRYSC, DODGET - 360 (1973-71) V8
KBP3032B	CHRYSC, DODGET, JEEP - 360 (2001-74) V8
KBP3033	CHRYSC, DODGET - 383, 400 (1979-70) V8
KBP3034	CHRYSC, DODGET - 361, 383, 400 (1979-62) V8
KBP3035A	CHRYSC, DODGET - 413, 426, 440 (1973-60) V8
KBP3035B	CHRYSC - 426 (1971-63) V8
KBP3035C	CHRYSC, DODGET - 413, 440 (1977-66) V8

# Numerical Listing

*-Continued*

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP3036A	CHRYSC, DODGET - 413, 426 (1973-60) V8
KBP3036B	DODGET - 413 (1977-74) V8
KBP3036C	CHRYSC - 426 (1971-63) V8
KBP3037	CHRYSC, DODGET - 361 (1973-62) V8
KBP3038A	CHRYSC, DODGET - 440 (1980-74) V8
KBP3038B	CHRYSC, DODGET - 440 (1973) V8
KBP3039	CHRYSC - 167 (2002-98) V6
KBP3040	CHRYSC, EAGLE, MITSUB - 122 (1995) L4
KBP3041	DODGET, JEEP - 287 (2003-99) V8
KBP3042	CHRYSC, EAGLE, MITSUB - 122 (2002-96) L4
KBP3043	CHRYSC, DODGET - 148 (2002-95) L4
KBP3044	CHRYSC - 195 (2001-98) V6
KBP3045	CHRYSC, DODGET - 230 (2001-91) V6
KBP3046	DODGET - 488 (2000-92) V10
KBP4030	GMCAR - 122 (1991-87) L4
KBP4031	GMCAR - 122 (1994-92) L4
KBP4032	GMCAR - 122 (1994-92) L4
KBP4033	GMCAR - 265 (1981-80) V8
KBP4034	GMCAR - 301 (1981-77) V8
KBP4035	GMCAR - 350 (1977-75) V8
KBP4036	GMCAR - 326, 350 (1976-66) V8
KBP4037	GMCAR - 400 (1979-76) V8
KBP4038	GMCAR - 389, 400 (1975-64) V8
KBP4039	GMCAR - 455 (1976-70) V8
KBP4040	GMCAR - 326 (1965-64) V8
KBP4041	GMCAR - 421, 428 (1969-64) V8
KBP4042	GMCAR - 151 (1978-77) L4
KBP4044	GMCAR - 151 (1984-80) L4
KBP4045	GMCAR - 151 (1984-82) L4
KBP4046	AMC, JEEP - 151 (1983-80) L4
KBP4047	GMCTR - 151 (1985) L4
KBP4048	GMCAR, GMCTR - 151 (1985) L4
KBP4049	GMCAR - 151 (1985) L4
KBP4050	GMCAR - 112 (1986-82) L4
KBP4051	GMCAR - 151 (1986-85) L4
KBP4052	GMCAR - 151 (1986-85) L4
KBP4053	GMCAR - 151 (1992-89) L4
KBP4054	GMCAR - 151 (1992-89) L4
KBP4055	GMCAR, GMCTR - 151 (1986-85) L4
KBP4056	GMCAR - 151 (1986-85) L4
KBP4057	GMCAR, GMCTR - 151 (1986-85) L4
KBP4058	GMCTR - 151 (1986-85) L4
KBP4059	GMCAR - 151 (1992-88) L4
KBP4060	GMCAR, GMCTR - 151 (1993-88) L4
KBP4061	GMCTR - 151 (1990-87) L4
KBP4062	GMCTR - 151 (1990-87) L4
KBP4063	GMCAR - 151 (1987) L4
KBP4064	GMCAR - 151 (1987) L4
KBP4065	GMCAR, GMCTR - 151 (1990-87) L4
KBP4066	GMCAR - 151 (1988-87) L4
KBP4067	GMCTR - 151 (1993-88) L4
KBP4068	GMCTR - 151 (1993-88) L4
KBP4069	AMC, GMCAR, JEEP - 151 (1984-79) L4
KBP4070	GMCAR, GMCTR - 151 (1985) L4
KBP4071	GMCAR - 146 (2001-96) L4
KBP4072	GMCAR - 151 (1988-87) L4
KBP4073	GMCAR - 151 (1988-87) L4
KBP4074	GMCAR - 151 (1987) L4
KBP5050	GMCAR, JEEP - 225, 231 (1977-64) V6
KBP5051	GMCAR, GMCTR - 196, 231, 252 (1987-77) V6

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP5052	GMCAR - 181 (1985-82) V6
KBP5053	GMCAR - 181 (1988-85) V6
KBP5054	GMCAR - 231 (1988-84) V6
KBP5055	GMCAR - 231 (1990-88) V6
KBP5056	GMCAR, GMCTR - 231 (1993-91) V6
KBP5057	GMCAR - 204 (1993-89) V6
KBP5058	GMCAR - 231 (2001-95) V6
KBP5059	GMCTR - 231 (1994) V6
KBP5060	GMCAR, GMCTR - 231 (1995) V6
KBP5061	GMCAR - 400, 430, 455 (1976-67) V8
KBP5062	GMCAR - 204 (1993-89) V6
KBP5063	GMCAR, JEEP - 340, 350 (1981-66) V8
KBP5064	GMCAR - 231 (1994) V6
KBP5801	GMCAR, GMCTR - 110, 111 (1982-76) L4
KBP5802	GMCTR - 111 (1975-73) L4
KBP5803	GMCTR - 111 (1972) L4
KBP5804A	GMCTR, ISUZU - 119 (1985-82) L4
KBP5804B	ISUZU (1985-81) L4
KBP5805	ISUZU (1995-86) L4
KBP5806	HONDA, ISUZU (1996-88) L4
KBP5807	GEO, GMCAR, ISUZU - 90, 92 (1989-85) L4
KBP5808	GEO, GMCAR, ISUZU - 90, 92 (1989-87) L4
KBP5809	ISUZU (1987-86) L4
KBP5810A	GMCTR, ISUZU - 137 (1987-80) L4
KBP5810B	GMCTR - 137 (1985-83) L4
KBP5811	ACURA, HONDA, ISUZU (1997-96) V6
KBP5812	HONDA, ISUZU (1995-92) V6
KBP5813	HONDA, ISUZU (2000-98) V6
KBP5814	GEO, ISUZU - 110 (1993-92) L4
KBP5815	ISUZU (1997-95) L4
KBP5816	ISUZU (2000-98) V6
KBP5817	GEO, ISUZU - 97 (1993-90) L4
KBP6060	JEEP - 134 (1972-46) L4
KBP6061	JEEP - 134 (1972-46) L4
KBP6062	AMC - 121 (1979-77) L4
KBP6063	AMC, JEEP, NAVITRK - 232 (1979-72) L6
KBP6064	AMC, JEEP, NAVITRK - 232 (1971-64) L6
KBP6065	AMC, JEEP - 258 (1988-81) L6
KBP6066	AMC, JEEP, NAVITRK - 258 (1980-72) L6
KBP6067	AMC, JEEP, NAVITRK - 258 (1972-69) L6
KBP6068	AMC, JEEP - 150 (1988-83) L4
KBP6069	AMC, JEEP - 304, 360 (1991-72) V8
KBP6070	AMC, JEEP - 304, 360 (1971-70) V8
KBP6071	AMC, JEEP, NAVITRK - 401 (1978-72) V8
KBP6072	JEEP - 242 (1995-91) L6
KBP6073	JEEP - 242 (1990-87) L6
KBP6074	AMC, JEEP - 258 (1990-87) L6
KBP6075	DODGET, JEEP - 150 (2002-91) L4
KBP6076	AMC, EAGLE, JEEP - 150 (1990-87) L4
KBP6077	AMC, RENAUL - 85 (1987-83) L4
KBP6078	JEEP - 242 (2001-96) L6
KBP6501A	CHRYSC, MITSUB - 86 (1984-78) L4
KBP6501B	CHRYSC - 89.6 (1988-85) L4
KBP6502	CHRYSC, EAGLE - 107, 97.5 (1994-79) L4
KBP6503	CHRYSC, MITSUB - 97.5 (1994-78) L4
KBP6504	CHRYSC, MITSUB - 97.5 (1994-76) L4
KBP6505	CHRYSC - 97.5 (1976) L4
KBP6506	CHRYSC - 97.5 (1980-79) L4
KBP6507	CHRYSC - 97.5 (1978-76) L4
KBP6508	CHRYSC, DODGET - 122 (1982-79) L4

# Numerical Listing

*-Continued*

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP6509	CHRYSC - 122 (1978-76) L4
KBP6510	CHRYSC - 122 (1978-76) L4
KBP6511	CHRYSC, DODGET, MITSUB - 156 (1989-79) L4
KBP6512	CHRYSC, DODGET - 156 (1978) L4
KBP6513	CHRYSC, DODGET - 156 (1978) L4
KBP6514A	CHRYSC, HYUNDA - 89.6 (1989-85) L4
KBP6514B	MITSUB (1990-85) L4
KBP6515	CHRYSC, DODGET, HYUNDA, MITSUB - 152, 181 (2000-87) V6
KBP6516	CHRYSC, DODGET, MITSUB - 122 (1984-83) L4
KBP6517	CHRYSC, DODGET, EAGLE, HYUNDA, MITSUB - 122 (1999-83) L4
KBP6518	CHRYSC, EAGLE, HYUNDA, MITSUB - 122 (1999-91) L4
KBP6519	CHRYSC, EAGLE, HYUNDA, MITSUB - 89.6, 90 (2000-89) L4
KBP6520	HYUNDA (1993) L4
KBP6521	HYUNDA (1995-94) L4
KBP6522	HYUNDA (2000-95) L4
KBP6523A	CHRYSC, EAGLE - 97.3, 98 (1990-89) L4
KBP6523B	HYUNDA (1995-92) L4
KBP6525	CHRYSC, DODGET, EAGLE, HYUNDA, MITSUB - 143, 143.4 (1993-85) L4
KBP6526	CHRYSC, EAGLE, MITSUB - 112 (1996-92) L4
KBP6527	MITSUB (1994-93) L4
KBP6528	CHRYSC, EAGLE, MITSUB - 143, 143.4 (2000-93) L4
KBP6529	MITSUB (2000-94) V6
KBP6530	CHRYSC, MITSUB - 181 (2000-91) V6
KBP6801	NAVITRK - 304 (1980-59) V8
KBP6802	NAVITRK - 345, 392 (1984-59) V8
KBP6803	NAVITRK - 404 (1985-75) V8
KBP6804	NAVITRK - 446 (1985-75) V8
KBP6805	NAVITRK - 478 (1976-56) V8
KBP6806	NAVITRK - 549 (1976-61) V8
KBP7010	TOYOTA (1979-69) L4
KBP7011	TOYOTA (1984-81) L4
KBP7012	TOYOTA (1988-80) L4
KBP7013	TOYOTA (1979-71) L4
KBP7014	TOYOTA (1982-80) L4
KBP7015	TOYOTA (1983-80) L4
KBP7016	TOYOTA (1974-69) L4
KBP7017	TOYOTA (1982-75) L4
KBP7018	TOYOTA (1984-68) L6
KBP7019	TOYOTA (1984-82) L4
KBP7020	TOYOTA (1988-84) L6
KBP7021	TOYOTA (1987-69) L6
KBP7022	TOYOTA (1990-84) L4
KBP7023	TOYOTA (1995-84) L4
KBP7024	GEO, GMCAR, TOYOTA - 98 (1997-83) L4
KBP7025	TOYOTA (1999-87) L4
KBP7026	TOYOTA (1988-86) L4
KBP7027	TOYOTA (1991-86) L4
KBP7028	TOYOTA (1995-88) L4
KBP7029	GEO, GMCAR, TOYOTA - 98 (1997-85) L4
KBP7030	GEO, GMCAR, TOYOTA - 98 (1992-85) L4
KBP7031	TOYOTA (1993-90) L4
KBP7032	TOYOTA (1994-92) L4
KBP7033	TOYOTA (2000-94) L4
KBP7034	TOYOTA (1992-86) L6
KBP7035	LEXUS, TOYOTA - 153 (1991-88) V6
KBP7036	TOYOTA (1995-88) V6
KBP7037	LEXUS, TOYOTA - 180 (1993-92) V6
KBP7038	LEXUS, TOYOTA - 183 (2001-94) V6
KBP7039	TOYOTA (2000-95) V6
KBP7040	TOYOTA (2000-94) L4

Part No.	Applications
<b>Crank Kits -Continued</b>	
KBP7041	GEO, TOYOTA - 107 (1997-93) L4
KBP7042	GMCAR, TOYOTA - 110 (2000-98) L4
KBP7043	TOYOTA (1986-83) L4
KBP7044	TOYOTA (2000-96) L4
KBP7045	TOYOTA (1995-90) L4
KBP7046	TOYOTA (2000-90) L4
KBP7047	LEXUS, TOYOTA - 184 (1998-92) L6
KBP7048	TOYOTA (1992-88) L6
KBP7049	LEXUS, TOYOTA (1998-93) L6
KBP7501	CHRYSC - 105 (1983-78) L4
KBP7502	VOLKSW (1966-60) H4
KBP7503	VOLKSW (1979-66) H4
KBP7504	VOLKSW (1975-71) H4
KBP7505	VOLKSW (1980-78) L4
KBP7506	AUDI, VOLKSW (1980-73) L4
KBP7507	AUDI, VOLKSW - 97 (1980-74) L4
KBP7508	VOLKSW (1984-81) L4
KBP7509	AUDI, VOLKSW - 103 (1984-81) L4
KBP8001	HONDA (1979-72) L4
KBP8002	HONDA (1983-80) L4
KBP8003	HONDA (1983-75) L4
KBP8004	HONDA (1978-76) L4
KBP8005	HONDA (1983-80) L4
KBP8006	HONDA (1980-79) L4
KBP8007	HONDA (1989-83) L4
KBP8008	ACURA, HONDA (1993-90) L4
KBP8009	HONDA (1991-88) L4
KBP8010A	HONDA (1987) L4
KBP8010B	HONDA (1987-84) L4
KBP8012	ACURA, HONDA - 97 (1995-86) L4
KBP8014	ACURA, HONDA - 97 (2000-88) L4
KBP8015	ACURA - 97 (1989-88) L4
KBP8016	ACURA - 102 (1993-92) L4
KBP8017	ACURA (2000-94) L4
KBP8018	ACURA - 112 (2000-90) L4
KBP8019	ACURA, HONDA, ISUZU (1997-94) L4
KBP8020	ACURA - 150 (1994-92) L5
KBP8021	ACURA, HONDA - 163 (1997-86) V6
KBP8022	ACURA - 196 (1998-91) V6
KBP8023	HONDA (1995-88) L4
KBP8024	HONDA (1995-88) L4
KBP8026	HONDA (1991-88) L4
KBP8027	HONDA (2000-94) L4
KBP8028	HONDA (1989-86) L4
KBP8029	HONDA (1990-88) L4
KBP8030	HONDA (1991-88) L4
KBP8400	SUBARU (1996-90) H4
KBP8500	NISSAN (1973-71) L4
KBP8501	NISSAN (1982-80) L4
KBP8502	NISSAN (1982-75) L4
KBP8503	NISSAN (1981-79) L4
KBP8504	NISSAN (1984-82) L4
KBP8505	NISSAN (1973-67) L4
KBP8506	NISSAN (1974-73) L4
KBP8507	NISSAN (1986-74) L4
KBP8508	NISSAN (2000-89) L4
KBP8509	INFINI, NISSAN - 122 (2000-91) L4
KBP8510	NISSAN (1982-70) L6
KBP8511	NISSAN (1983-75) L6

# Numerical Listing

*-Continued*

Part No. Applications

Part No. Applications

## **Crank Kits** -Continued

KBP8512	NISSAN (1983-81) L4
KBP8513	NISSAN (1988-83) L4
KBP8514	NISSAN (2000-89) L4
KBP8515	NISSAN (1989-83) L4
KBP8516	NISSAN (1987-84) V6
KBP8517	FORDT, INFINI, NISSAN - 183 (1996-87) V6
KBP8518	FORDT, NISSAN - 183 (1999-96) V6
KBP8519	NISSAN (2000-89) L4
KBP8520	NISSAN (2000-89) L4
KBP8521	NISSAN (2000-89) L4
KBP8522	INFINI, NISSAN (1997-90) V6
KBP8523	INFINI, NISSAN (2001-95) V6
KBP8524	INFINI (1996-90) V8
KBP8525	NISSAN (1989-82) L4
KBP8526	NISSAN (1984-82) L6
KBP8527	NISSAN (1994-91) V6
KBP8528	NISSAN - 180 (2000-96) V6
KBP8529	Nissan (1987-84) L4
KBP8530	Nissan (1989-87) L4
KBP9010	GMCAR - 138 (1988-87) L4
KBP9011	GMCAR - 138 (1994-89) L4
KBP9012	GMCAR - 260 (1985-82) V6
KBP9013	GMCAR - 260 (1982-75) V8
KBP9014	GMCAR - 307 (1990-80) V8
KBP9015	GMCAR - 350 (1980-68) V8
KBP9016	GMCAR, GMCTR - 350 (1985-78) V8
KBP9017	GMCAR - 400 (1968) V8
KBP9018	GMCAR - 400, 425 (1967-65) V8
KBP9019	GMCAR - 403 (1979-77) V8
KBP9020	GMCAR - 455 (1976-68) V8
KBP9021	GMCAR - 260 (1985-82) V6
KBP9022	GMCAR - 138 (1995) L4
KBP9023	GMCAR - 244 (1999-95) V8
KBP9024	GMCAR - 214 (2001-99) V6

## **New Crank Kits**

KC350	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 V8
KC350-1	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 350 V8
KC400	GMCAR, GMCTR - 400 (1980-70) V8
KC454	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 454, 502 V8
KC454-1	GMCTR, GMMAR, MERCURU, OMC - 454 V8
KCF454	GMCAR, GMCTR, GMMAR, MERCURU, OMC - 454, 502 V8

# Blueprint Series Crankshafts



**BLUEPRINT**  
**S E R I E S**  
THE STANDARD FOR PREMIUM CRANKSHAFTS



## RUNOUT

Total main bearing runout is measured at 0.0000" to a maximum of 0.0005" ensuring factory blueprint straightness of the crank.

## RADIUS

The radii on every journal, which controls the strength of the crankshaft is ground to the O.E. blueprint spec.

## CHAMFERED

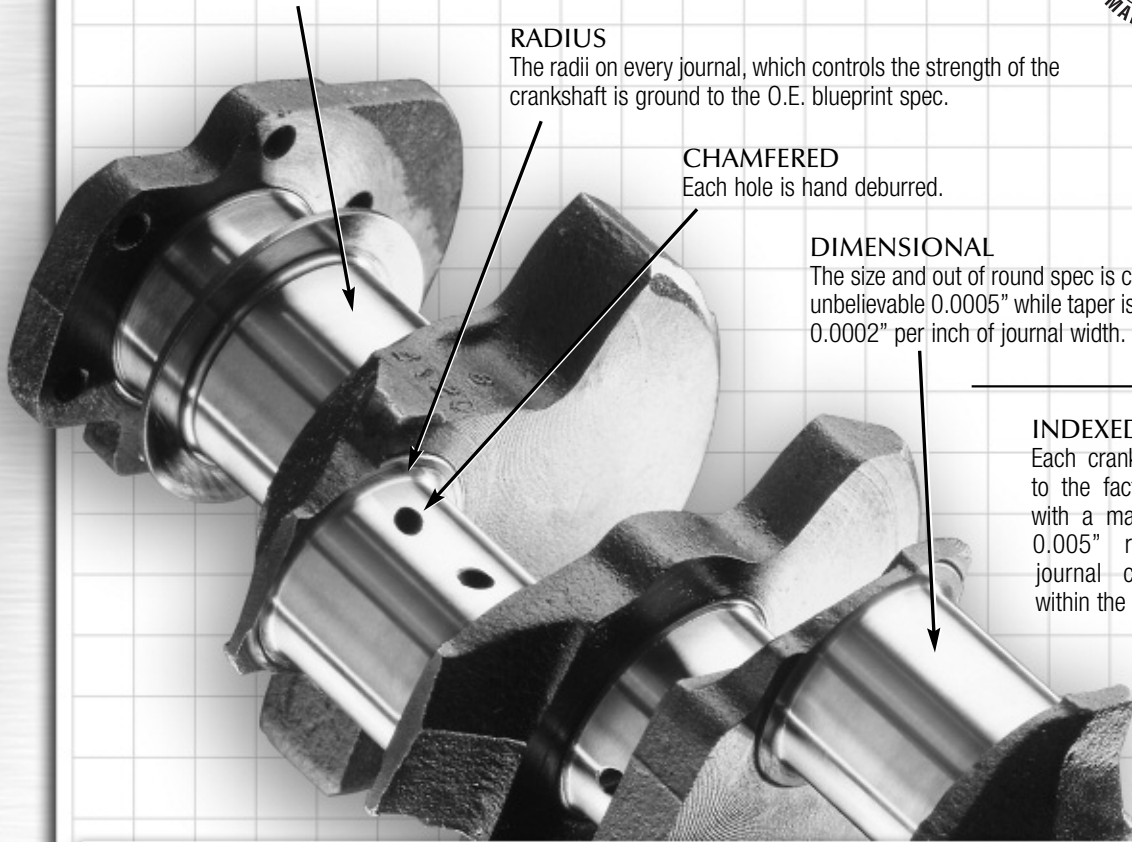
Each hole is hand deburred.

## DIMENSIONAL

The size and out of round spec is controlled to an unbelievable 0.0005" while taper is held to within 0.0002" per inch of journal width.

## INDEXED

Each crank is True-Indexed™ to the factory blueprint spec. with a maximum deviation of 0.005" rotation from the journal centerline. This is within the blueprint spec.



## GAS SHIELDING

Any cast core repair is done exclusively with a low voltage, low amperage, inert gas shielded welding process. The process completely displaces any moisture and oxygen. Normal heating of the journal during welding is greatly reduced with the low volt amp process. The result is the elimination of surface cracks, porosity, and breakage of journals due to weld heating.

## STRESS RELIEVED

All cranks are stress-relieved at 550 degrees Fahrenheit until stable and shot peened in a 4-minute cycle.

## PROTECTED

After manufacture, Hi-Tech Blueprint Series crankshafts receive a rust inhibitor and are foamed in place inside a heavy corrugated carton.

## BLUEPRINT SPEC

The half-stroke distance between the center of the main journal and center of the rod journal matches original factory blueprint spec.



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### Blueprint Series Crank Kits Includes:



Plastigauge



Bolt Boots



Illustrated Step-by-Step  
Instructions



**Cranks are available for a wide range of domestic and import cars, trucks and boats (including diesels)**



Hi-Tech Engine Components  
P.O. Box 26185 • Salt Lake City, UT 84126-0185  
Cat. No. NCCK31

