

# Engine Crankshaft Rear Main Seals

## Engine Crankshaft Rear Main Seals Kits contain - Engine Crankshaft Rear Main Seal and Sleeve.

\* During the normal use of the seal, a groove can be worn into the crankshaft journal causing oil to leak even when a new seal has been installed. Installing the surface sleeve will replace the grooved crankshaft journal with a new longer wearing seal surface.

\* Over torquing of the flywheel or flexplate or reused bolts can cause pressure distortion or cracks to form causing oil to leak even when a new seal has been installed. Installing the surface sleeve will replace the pressure distorted or cracked crankshaft journal with a new longer wearing seal surface.

**Note:** Rear Main Seals can be used with or without sleeves. If required installation tool CST301 is available.

MAKE & ENGINE TYPE	SHAFT DIAMETER	YEAR(S)	PART NO.
<b>ENGINE CRANKSHAFT REAR MAIN SEALS</b>			
<b>CHRYSLER</b>			
2.2L & 2.5L	3.584"	1981-98	<b>CS423</b>
2.6L FWD	3.149"	1978-89	<b>CS450</b>
2.6L RWD	3.149"	1978-89	<b>CS450-F</b>
3.0L, 3.3L & 3.8L	3.584"	1987-98	<b>CS423</b>
<b>FORD</b>			
1.6L & 1.9L	3.465"	1986-97	<b>CS443</b>
2.2L Probe	3.538"	1984-94	<b>CS428</b>
2.3L HSC	3.465"	1984-96	<b>CS443</b>
2.3L OHC	3.625"	1986-96	<b>CS444</b>
2.5L HSC	3.465"	1986-91	<b>CS443</b>
2.5L & 3.0L Duretec	3.625"	1997-98	<b>CS431</b>
2.8L & 2.9L Ranger	2.375"	1974-91	<b>CS430</b>
3.0L	3.466"	1986-98	<b>CS449</b>
3.8L	3.625"	1983-98	<b>CS441</b>
4.0L	2.375"	1990-97	<b>CS430</b>
4.6L	3.625"	1991-97	<b>CS444</b>
4.6L & 5.4L Truck	3.625"	1993-98	<b>CS431</b>
4.9L & 240 c.i.	3.748"	1964-97	<b>CS442</b>
5.0L	3.625"	1983-97	<b>CS441</b>
5.8L	3.748"	1983-97	<b>CS442</b>
<b>GENERAL MOTORS</b>			
1.8L O&J Pontiac	3.381"	1982-86	<b>CS432</b>
2.0L Chevrolet	2.991"	MID '84-91	<b>CS446</b>
2.5L Pontiac	2.988"	1979-94	<b>CS448</b>
2.8L Chevrolet	2.991"	1985-89	<b>CS446</b>
3.1L Chevrolet	2.991"	1989-97	<b>CS446</b>
3.3L Buick	3.228"	1991-92	<b>CS468</b>
3.8L Buick (vin C & L)	3.228"	1988-98	<b>CS468</b>
4.3L Chevrolet	3.737"	1986-98	<b>CS447</b>
5.0L Chevrolet	3.737"	1986-96	<b>CS447</b>
5.7L Chevrolet	3.737"	1986-98	<b>CS447</b>
366 cubic inch HD	4.324"	1991-98	<b>CS435</b>
454 cubic inch Chevrolet	4.324"	1990-98	<b>CS435</b>
<b>HONDA</b>			
1.5L D-15	3.149"	1988-95	<b>CS436-F</b>
1.6L D-16 & B16A3	3.149"	1986-95	<b>CS436-F</b>
1.8L ES1,ES2 & ET2	3.149"	1983-87	<b>CS436-F</b>
2.0L BS, BT, B20A3 & B20A5	3.149"	1986-91	<b>CS436-F</b>
2.0L B21A1	3.149"	1990-91	<b>CS436-F</b>
2.3L H23A1 early & late	3.149"	1992-95	<b>CS436-F</b>
<b>ACURA (HONDA)</b>			
2.5L C-25A1	3.149"	1986-90	<b>CS466-F</b>
2.7L C-27-A1	3.149"	1986-90	<b>CS466-F</b>
3.0L C-30 & C-30-A1	3.149"	1991-95	<b>CS466-F</b>
3.2L C-32-A1	3.149"	1991-95	<b>CS466-F</b>

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MAKE & ENGINE TYPE	SHAFT DIAMETER	YEAR(S)	PART NO.
<b>ENGINE CRANKSHAFT REAR MAIN SEALS (cont.)</b>			
<b>ISUZU</b>			
2.3L 4ZDI* & 2.6L 4ZEI*	3.737"	1984-95	CS438
3.2L 6VD1*	3.737"	1992-95	CS438
<b>MAZDA</b>			
2.0L MA	3.149"	1979-85	CS450-F
2.0L Industrial	3.538"	1982-94	CS428
2.2L FE & F2	3.538"	1982-93	CS428
3.0L B3000	3.466"	1994	CS449
<b>MITSUBISHI</b>			
1.6L 4G-61	3.149"	1989-93	CS450-F
1.6L G-32B	3.149"	1985-93	CS450-F
2.0L 4-G63 & G-63	3.149"	1983-94	CS450-F
2.4L G-64B & AG-64	3.149"	1983-94	CS450-F
2.6L G-54B	3.149"	1978-94	CS450-F
2.6L FWD	3.149"	1978-94	CS450
<b>NISSAN</b>			
1.5L E15	3.149"	1982-86	CS453
1.6L E16 & E16i	3.149"	1982-88	CS453
2.0L L-20,Z-20	3.149"	1977-87	CS453-F
CA-20S & CA20E	3.306"	1981-88	CS452
2.4L KA24E & KA24DE	3.149"	1989-94	CS453-F
2.4L L-24 all	3.149"	1970-84	CS453-F
2.4L Z-24	3.149"	1983-89	CS453-F
2.6L L-26	3.149"	1974-83	CS453-F
2.8L L-28	3.149"	1974-83	CS453-F
3.0L VG-30E, ET, DE, all	3.306"	1984-94	CS452
<b>SATURN</b>			
1.9L OHC	2.991"	1991-98	CS446
<b>TOYOTA</b>			
1.5L 1AC & 1.6L 1AC	2.757"	1980-83	CS457
1.5L 3E, 3EE & 5EFE	3.149"	1992-96	CS459
1.6L 3AC & 4AC	2.757"	1983-93	CS457
1.6L 4AFE & 4AGE	2.757"	1984-96	CS457
2.0L 2SE	3.347"	1983-86	CS461
2.0L 3Y44	3.149"	1983-89	CS460
2.0L 3SFE	3.347"	1987-91	CS461
2.2L 5SFE	3.347"	1992-98	CS461
2.2L & 2.4L 20-22R	3.149"	1974-96	CS451
2.5L 2VZFE	3.625"	1988-91	CS463
2.6L & 2.8L 4ME-5ME	3.149"	1976-84	CS451
2.7L 5MGE	3.149"	1982-88	CS451
3.0L 7MGE & 7MGET	3.149"	1986-91	CS451
3.0L 3VZE & 3VZFE	3.625"	1988-95	CS463
1MZ	3.625"	1995-98	CS463
<b>LEXUS</b>			
2.5L 2VZ	3.625"	1990-92	CS463
3.0L 3VZ-FE	3.625"	1992-94	CS463
1 MX	3.625"	1995-98	CS463