



FEL-PRO INSTALLATION TIPS

A REAR MAIN BEARING CAP SEALS

Two (2) different sizes of bearing cap seals are included in this set. Install on the RIGHT side of the rear main bearing cap; the part with the colored markings.

Install on the LEFT side of the rear main bearing cap, the other part in the envelope

The square portion of the seal fits into the cap. The pointed portion of the seal comes in contact with the block when assembly is completed.

B REAR MAIN BEARING SEAL

1. Clean all foreign material from cylinder block, bearing cap, and crankshaft.

NOTE: CRANKSHAFT SEALING SURFACE SHOULD BE INSPECTED AND ALL NICKS REMOVED WITH CROCUS CLOTH BEFORE SEAL IS INSTALLED.

CAUTION: SOME CAPS HAVE A STEEL PIN IN THE BOTTOM OF THE SEAL GROOVE AREA. REMOVE PIN BEFORE INSTALLING SEAL.

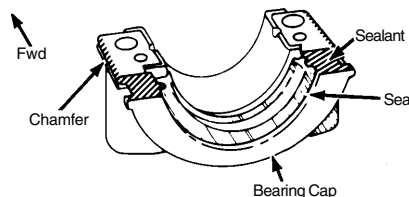
2. Both upper and lower halves must be installed as a pair.
3. Wipe thin film of lubrication grease or oil on sealing lips and on shaft before installation.

CAUTION: AVOID USE GREASE OR OIL ON ANY PART OF SEAL EXCEPT SEALING LIP.

4. Make sure lip side (side with groove) is toward front of engine.
5. If crankshaft is out of block press seal halves into groove in block and bearing cap respectively by thumb pressure. Seal ends must be flush with face of casting.

If crankshaft is in block, remove old seals with needle nose pliers. Assist by rotating shaft. To install new upper seal, hold against crankshaft and rotate into groove. Assist by pushing the free end of seal with hammer handle or wood dowel.

CAUTION: DO NOT SHAVE OR CUT THE OUTER SURFACE OF THE SEAL. PROTECT SEAL LIP FROM NICKS AND SCRATCHES.



6. Apply a thin coat of sealant on the bearing cap mating surface immediately adjacent to the seal, and to the chamfer as shown.

CAUTION: KEEP SEALANT AWAY FROM SEAL MATING ENDS.

7. Place the rear main bearing cap in position and install the cap bolts. Torque to specs
8. After seal is installed, rotate crankshaft slowly at least 15 to 20 turns to insure proper seating of seal against crankshaft.

C IMPORTANT PREPARATIONS FOR ROTATING SHAFT SEALS

Wipe a thin film of lubricant on sealing lip and on shaft before installation.

NEVER INSTALL ANY SEAL WITHOUT BREAK-IN LUBRICANT PROTECTION.

D TIMING COVER BOLTS

Some of the bolts which pass through the water pump body and timing chain cover enter the engine block's coolant passage. These bolts should have sealer sparingly applied onto the threads.



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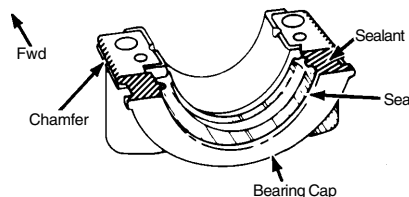
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