

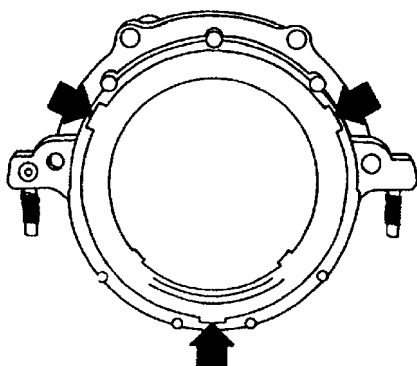
CRANKSHAFT REAR OIL SEAL REMOVAL

NOTICE

When removing the crankshaft rear oil seals, be careful to not damage the crankshaft sealing surface. A minor scratch can cause a major oil leak.

Remove or Disconnect

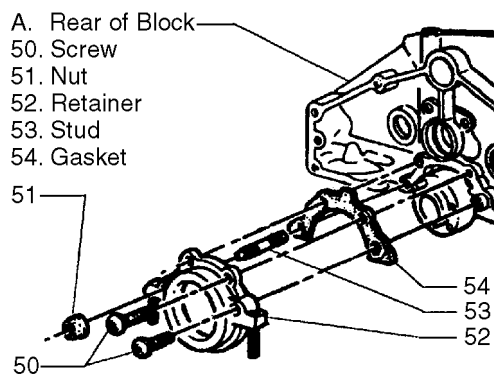
- Crankshaft rear oil seal. Insert a screwdriver into the notches provided in the seal retainer and pry the seal out (figure right).



CRANKSHAFT REAR OIL SEAL RETAINER REMOVAL

Remove or Disconnect

- Screws (50) and nuts (51).
- Seal retainer (52).
- Gasket (54).



CRANKSHAFT REMOVAL

Remove or Disconnect

Inspect

- Check the main bearing caps for location markings. Mark the caps if necessary. The caps must be returned to their original locations during assembly.
1. Main bearing cap bolts.
 2. Main bearing caps and lower main bearing inserts.
 3. Crankshaft from the cylinder block with extreme care, taking care to avoid damage to crankshaft journals and thrust flange surfaces.
 4. Upper main bearing inserts.

MAIN BEARING REMOVAL (WITHOUT REMOVING CRANKSHAFT)

Tool required:

8080 Main Bearing Remover/Installer

Remove or Disconnect

Inspect

- Check the main bearing caps for location markings. Mark the caps if necessary. The caps must be returned to their original locations during assembly.
1. Main bearing cap bolts.
 2. Main bearing caps
 3. Lower main bearing inserts from the main bearing caps.
 4. Upper main bearing inserts.
 - a. Insert 8080 into the crankshaft oil hole (figure above).
 - b. Rotate the crankshaft to turn the upper main bearing insert out of the block.

