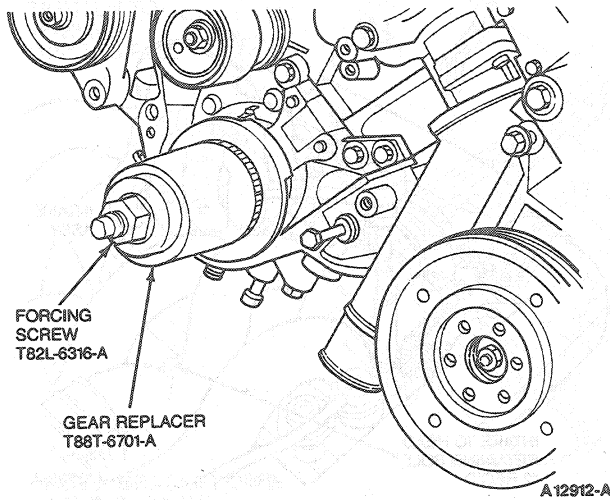


REMOVAL AND INSTALLATION (Continued)

3. Install Crankshaft Seal Installer / Cover Aligner T88T-6701-A with forcing screw from T82L-6316-A to press seal the rest of the way onto crankshaft.



4. Install crankshaft damper using Front Crank Seal Installer T89P-6701-B or equivalent. Install crankshaft damper retaining bolt. Tighten to 152-172 N·m (112-127 lb-ft).
5. Position accessory drive belts over crankshaft damper.
6. Check drive belts for proper routing and engagement in the pulleys. Adjust drive belts to specification. Refer to Section 03-05.
7. Start engine and check for oil leaks.

Water Pump**Tools Required:**

- Puller T67L-3600-A
- Screw and Washer Set T89P-6701-A

Removal

1. Remove LH idler pulley and bracket assembly.
2. Remove drive and accessory belts.
3. Remove RH front wheel and inner fender splash panel.
4. Disconnect electrical connector from ignition control module.
5. Loosen four hose clamps and remove two bolts from intake connector tube and remove tube.
6. Remove upper timing belt cover.
7. Remove crankshaft damper using Puller T67L-3600-A or equivalent. Remove lower timing belt cover.
8. Disconnect crankshaft sensor wire assembly and position out of the way.
9. Remove center timing belt cover.

10. Remove pulley from RH idler.
11. Remove six retaining bolts and remove water pump and gasket assembly.

Installation

NOTE: Lightly oil all bolt threads before installation except those specifying special sealant.

1. Clean gasket surfaces on water pump and front cover.
2. Position a new gasket on water pump sealing surface using Gasket and Trim Adhesive D7AZ-19B508-B (ESR-M11P17-A and ESE-M2G52-A) or equivalent to hold the gasket in position.
3. Position water pump to front cover and install retaining bolts. Tighten bolts to 16-23 N·m (12-16 lb-ft).
4. Install pulley on RH idler.
5. Install center timing belt cover.
6. Connect crankshaft sensor wire assembly.
7. Install lower timing belt cover. Install crankshaft damper using Screw and Washer Set T89P-6701-A or equivalent. Install damper retaining bolt and tighten to 152-172 N·m (113-126 lb-ft).
8. Install upper timing belt cover.
9. Install intake connector tube. Tighten bolts to 15-23 N·m (11-16 lb-ft). Secure four hose clamps.
10. Connect ignition control module connector.
11. Install RH front inner splash panel and wheel. Tighten wheel lug nuts to 115-142 N·m (85-105 lb-ft).
12. Position accessory drive belts over pump pulley and adjust drive belts. Refer to Section 03-05.
13. Fill and bleed cooling system.
14. Start engine and check for coolant leaks.

Cylinder Head Cover**Removal**

1. Disconnect battery ground cable.
2. Release pressure from fuel system.
3. Disconnect all vacuum lines and electrical connectors from intake manifold assembly.
4. Remove upper intake manifold as outlined.
5. Disconnect spark plug wires.
6. If LH cylinder head cover is being removed perform the following:
 - Remove oil fill cap.
 - Remove coil pack plastic cover.
7. If RH cylinder head cover is being removed, disconnect fuel lines.