

REMOVAL AND INSTALLATION (Continued)

3. Remove three retaining bolts from thermostat housing.
4. Remove housing and thermostat as an assembly.

CAUTION: Aluminum gouges easily which forms leak paths. Use care when scraping gasket.

5. Discard gasket. Clean sealing surfaces with gasket scraper.

Installation

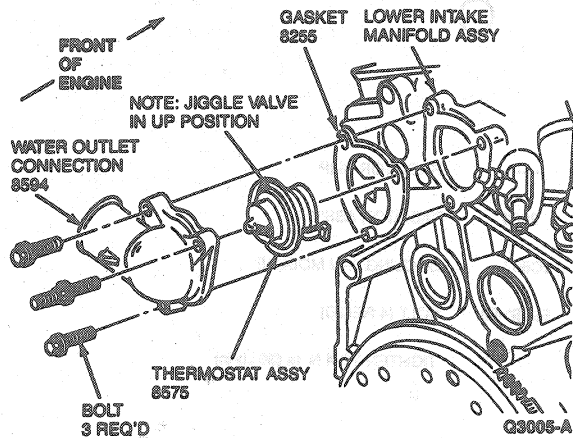
1. Sealing surfaces must be totally free of gasket material.
2. Install thermostat into housing and rotate clockwise to lock in. Note location of jiggle valve in relation to housing (up).
3. Position gasket onto housing using bolts as a holding device. Install thermostat assembly and tighten bolts to 12 N·m (9 lb-ft).
4. Install upper radiator hose. Position the clamps between the alignment marks on both ends of the hose and slide hose on connections.

CAUTION: Ensure the clamps are beyond the bead and placed in the center of the clamping surface of the connection.

Any used hose clamps must be replaced with a new clamp to ensure proper sealing at the connection.

Tighten screw clamps to 2.2-3.4 N·m (20-30 lb-in).

5. Fill and bleed cooling system with proper amount and mixture.
6. Start engine and check for coolant leaks.

**3.8L Engine****Removal**

1. Open hood and place fender covers.
2. Disconnect battery cables.
3. Position drain tray below radiator.
4. Remove radiator pressure cap following outlined precautions. Attach 9.5mm (0.4 inch) hose to drain tube and open draincock. Drain radiator to a corresponding level below water outlet connection. Close draincock.

CAUTION: Do not pry housing off.

5. Loosen top hose clamp at radiator, remove water outlet connection retaining bolts, lift clear of engine and remove thermostat by rotating counterclockwise in water outlet connection until thermostat becomes free to remove.

Installation

1. Clean water outlet connection pocket and cylinder head mating faces.
2. Place thermostat in position, fully inserted and rotate clockwise in water outlet connection to secure. Position water outlet connection to intake manifold with a new gasket and secure bolts. Tighten to 20-30 N·m (15-22 lb-ft). Position top hose to radiator. Position the clamps between the alignment marks on both ends of the hose and slide hose on connections. Close draincock.

CAUTION: Ensure the clamps are beyond the bead and placed in the center of the clamping surface of the connection.

Any used hose clamps must be replaced with a new clamp to ensure proper sealing at the connection.

Tighten screw clamps to 2.2-3.4 N·m (20-30 lb-in).

3. Refill cooling system with specified antifreeze solution. Refer to Coolant Refill procedure.
4. Connect battery cables.
5. Start engine and check for leaks.
6. Check coolant level as required.