

REMOVAL AND INSTALLATION (Continued)

6. Connect tube nuts and tighten to 27-34 N-m (20-25 lb-ft). Install plastic strap to attach pressure and return lines to LH turn transfer line.

The quick connect fittings may disengage if not fully assembled, if the snap ring is missing, or if the tube nut, or the hose end is not machined properly.

If the fitting disengages, replace the hose assembly. The fitting is fully engaged only when the hose will not pull out. To test for positive engagement, the system should be properly filled, the engine started, and the steering wheel cycled from lock-to-lock. Service hose assemblies have tube nuts, snap rings and O-rings already attached.

Pressure Switch

Tools Required:

- Rotunda Digital Volt Ohmmeter 007-00001

The pressure switch uses an O-ring seal. If a leak occurs, check that the switch is properly tightened to 7-14 N-m (5-10 lb-ft). If the leak continues, replace the O-rings, then the pressure tube, and finally the pressure switch.

Pressure Switch Functional Check

Check operation of the switch if either or both of the following concerns are noted:

- Engine stalls during parking maneuvers.
- Engine idles at high speed.

The following test is based on the fact that the switch is normally closed. As power steering load increases, the switch opens and increases the idle speed.

1. Disconnect the electrical connector at the pressure switch.
2. Connect a continuity tester, Rotunda Digital Volt Ohmmeter 007-00001 or equivalent, across the pressure switch terminals.
3. Start engine and let idle.
4. Switch should be normally closed (zero ohms) with steering wheel straight ahead.
5. Turn steering toward either stop while watching continuity tester. Switch should open near the stops (no continuity or infinite reading on ohmmeter).
6. If switch fails either test, replace the switch. If switch is OK, check the engine idle speed control system.

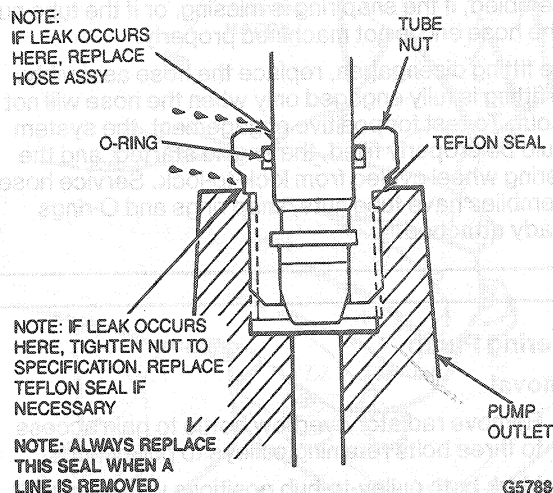
Quick Connect Power Steering Fitting, CII

Tools Required:

- Teflon Seal Installer D90P-3517-A3

Seal Replacement

If a leak occurs between the tubing and tube nut, replace the hose assembly. If a leak occurs between the tube nut and the pump outlet, replace the plastic washer.



The following procedure should be used:

1. Check fitting to determine whether leak is between tube and tube nut or between tube nut and pump outlet
CAUTION: DO NOT over-tighten. If tube nuts are overtorqued, stripping of housing threads may occur and bores may concave.
2. If leak is between tube nut and pump outlet, check to ensure nut is tightened to 27-34 N-m (20-25 lb-ft).
3. If leak continues or if leak is between tube and tube nut, remove line.
4. Unscrew tube nut, and inspect plastic seal washer (388898-S) when line is removed. To facilitate assembly of new plastic seal washer, a tapered shaft may be required to stretch washer, so it may be slipped over tube nut threads.

STRETCH PLASTIC SEAL OVER A TEFLON SEAL INSTALLER (D90P-3517-A3) OR A TAPERED TOOL, SUCH AS A CENTER PUNCH, UNTIL IT IS LARGE ENOUGH TO SLIP OVER THE FITTING THREADS. THE SEAL WILL SLOWLY RETURN TO ITS ORIGINAL DIAMETER.

