

REMOVAL AND INSTALLATION (Continued)

5. Dash panel, under vehicle or inside the passenger compartment (lower RH side)
6. Front or rear wheel house/fender apron (RH side)

Removal

1. Depressurize fuel system as outlined under Fuel System Pressure Relief.
2. Drain fuel from fuel tank as outlined under Fuel Tank, Removal. On Flexible Fuel vehicles drain fuel tank as outlined under Fuel Tank Draining Procedure — Flexible Fuel Vehicles.
3. Lower fuel tank and disconnect push connect fittings from fuel tank sending unit and pump.
4. Disconnect push connect fittings from fuel filter at RH side of fuel tank.
5. On all vehicles except Flexible Fuel vehicles, remove three screws retaining fuel tube shield (9C291) to lower dash crossmember and remove fuel tube shield.
6. Disconnect vapor tube from fuel line assembly at in-line connection in engine compartment along RH side member between shock tower and dash panel.
7. On vehicles with 3.0L MFI engines, cut strap which retains fuel lines and vacuum hose in engine compartment.
8. Disconnect spring lock couplings from engine.
9. Cut push pins off between each retaining clip and body.

Installation

NOTE: New fuel lines come equipped with push pins. If a fuel line is being reused, new push pins must be installed on existing line. Any damaged clips must be replaced.

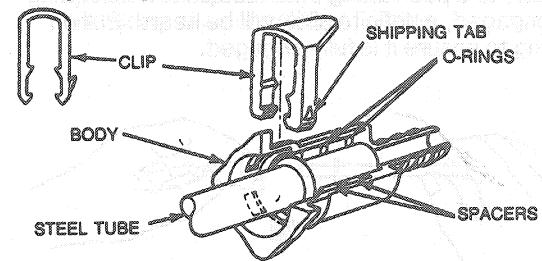
1. Install fuel line assembly by pushing five or six pins into existing holes in underbody.
NOTE: On all vehicles except flexible fuel vehicles, lines must be routed between fuel tube shield and lower dash.
2. Install fuel tube shield to lower dash crossmember and install three retaining screws.
3. Raise fuel tank up to underbody and connect fuel lines to fuel tank sending unit and pump and fuel vapor valve. Route lines through clip on top of tank. Connect electrical connector to fuel pump.
4. Install fuel tank to underbody.
5. Connect fuel lines to fuel filter.
6. Connect vapor tube to fuel tube assembly in engine compartment.
7. Connect fuel line spring lock coupling to engine fuel injection supply manifold (9F792).

Push Connect Fittings

CAUTION: The steel push connect and spring lock couplings used on the Flexible Fuel vehicles have special O-rings for methanol fuel compatibility. Refer to Steel Push Connect 5/16 inch or 3/8 inch fittings Removal and Disconnect procedure. Use Disconnect Tools T90T-9550-B or T90T-9550-C.

Push connect fittings are designed with a retaining clip. The fittings used with 9.5 and 7.9mm (3/8 and 5/16 inch) diameter tubing use a hairpin clip. Clips should be replaced whenever a connector is removed.

Hairpin Clip



Removal

NOTE: Drain fuel tank if necessary, as outlined under Fuel Tank, Removal. On Flexible Fuel vehicles, drain fuel tank as outlined under Fuel Tank Draining Procedure — Flexible Fuel Vehicles.

1. Inspect internal portion of fitting for dirt accumulation. If more than a light coating of dust is present, clean fitting before disassembly.
2. Some adhesion between seals in fitting and tubing occurs with time. To separate, twist fitting on tube, then push and pull fitting until it moves freely on tube.

CAUTION: Do not use any tools.

3. Remove hairpin clip from fitting by first bending shipping tab and breaking. Next (using hands only), spread two clip legs about 3.2mm (1/8 inch) each to disengage body and push legs into fitting. Complete removal is accomplished by lightly pulling from triangular end of clip and working it clear of tube and fitting.

NOTE: On 90 degree elbow connectors, excessive side loading could break connector body.

4. Grasp fitting and hose assembly and pull in an axial direction to remove fitting from steel tube.
5. After disassembly, inspect and clean the tube end sealing surface. Tube end should be free of scratches and corrosion as they result in path for fuel leakage. Inspect the inside of the fitting for any internal parts such as O-rings and spacers that may have been dislodged from the fitting. Replace any damaged connector.