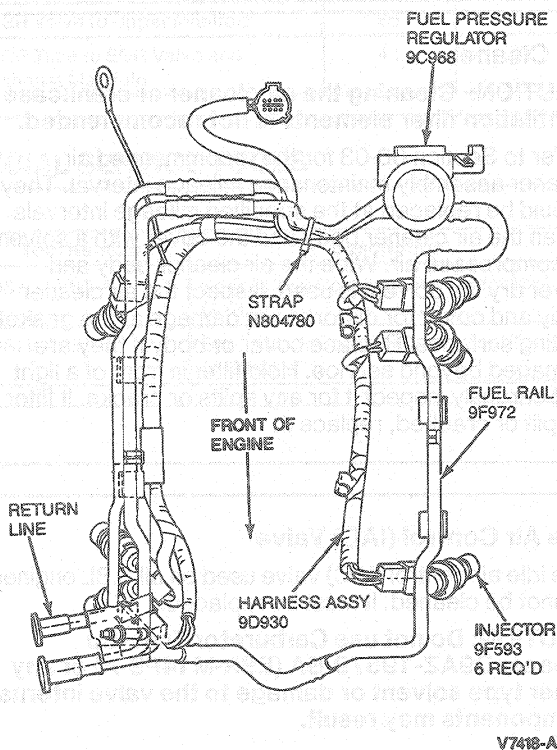


REMOVAL AND INSTALLATION (Continued)

- Remove upper intake manifold assembly as outlined.
- Remove spring lock coupling retaining clips from fuel inlet and return fittings.
- Using Spring Lock Coupling Disconnect Tool D87L-9280-A, D87L-9280-B or equivalent disconnect the inlet and outlet fuel lines from the fuel rail assembly.
- Remove four fuel injection supply manifold assembly retaining bolts (two on each side).
NOTE: It may be easier to remove fuel injectors with the fuel injection supply manifold as an assembly.
- Carefully disengage fuel injection supply manifold from fuel injectors and remove fuel injection supply manifold.
- Use a rocking, side-to-side motion while lifting to remove fuel injectors from cylinder head pockets.



V7418-A

Installation

CAUTION: When installing fuel injection supply manifold assemblies with new or used fuel injectors, particular attention should be paid to proper O-ring seating to ensure that no fuel leaks exist.

- Push fuel injection supply manifold down to ensure all injector O-rings are fully seated in the fuel rail cups and cylinder head pockets.
- Install retaining bolts while holding fuel injection supply manifold down. Tighten bolts to 10 N·m (8 lb-ft).

- Install spring lock coupling as outlined.
- With fuel injector wiring disconnected, turn ignition to the RUN position to allow the fuel tank sending unit and pump (9H307) to pressurize the system.
- Using a clean towel, check for fuel leaks.
- Connect fuel injector wiring harness. Run vehicle at idle for two minutes.
- Turn engine OFF and inspect for leaks.

Fuel Pressure Regulator

Removal

- Perform Steps 1 through 4 under Fuel Charging Assembly, Pre-Service Procedures if removing fuel pressure regulator while fuel injection supply manifold assembly is installed on engine.
- Remove vacuum line at fuel pressure regulator.
- Remove three Allen head retaining screws from regulator housing.
- Remove fuel pressure regulator assembly, gasket and O-ring. Discard gasket and inspect O-ring for signs of cracks or deterioration.
- If scraping is necessary, be careful not to damage fuel pressure regulator or fuel injection supply manifold gasket surfaces.

Installation

WARNING: NEVER USE SILICONE GREASE. IT WILL CLOG THE FUEL INJECTORS.

- Lubricate fuel pressure regulator O-ring with clean engine oil.
- Ensure gasket surfaces of fuel pressure regulator and fuel injector assembly are clean.
- Install O-ring and new gasket on fuel pressure regulator.
- Install fuel pressure regulator on fuel injection supply manifold assembly. Tighten three retaining screws to 4.0 N·m (34 lb-in).
- Install vacuum line to fuel pressure regulator.
- Perform Steps 1 through 6 under Fuel Charging Assembly, Post-Service Procedure.

Fuel Injector

Removal

- Perform Steps 1 through 4 under Fuel Charging Assembly, Pre-Service Procedures.
- Remove upper intake manifold as outlined.
- Remove fuel injection supply manifold assembly as outlined.
- Remove fuel injector retaining clips as required.