

FUEL SYSTEM SERVICE

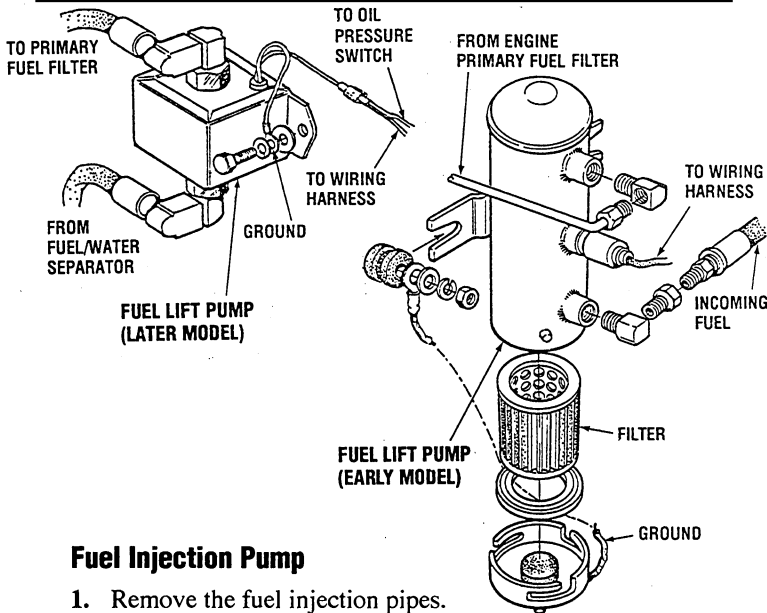
DISASSEMBLY

Fuel Filter

Remove the retaining nut, O-ring and filter element.

Fuel Lift Pump

The fuel lift pump requires little or no maintenance. Disassemble an early fuel lift pump and change the filter. Later model fuel lift pumps require no disassembly. Fuel to the pump must be filtered to 10-25 microns. Electrical connections must be clean and tight. Fuel connections at the pump must be tight and without leaks.



Fuel Injection Pump

1. Remove the fuel injection pipes.
2. Before removing the pump, be sure to remove the pump side cover and disconnect the tie-rod and spring from the rack. Then remove the bolts fastening the injection pump and remove the pump assembly.
3. Record the thickness and number of pump adjusting shims to facilitate adjustment at the time of assembly.
4. When partly disassembling the fuel injection pump, use the following procedure.

CAUTION: Do not attempt to disassemble the fuel injection pump unless it is necessary. Since the adjustment of an injection pump requires a pump tester and technical disassembly, reassembly and adjustment of a pump should not be performed if such a tester and technician are not available.

Before disassembly, close the fuel inlet and outlet and clean the pump's outside surfaces.

Keep disassembled parts immersed in clean kerosene and keep all parts neatly arranged in order to avoid confusion.

- a. Remove the delivery valve holder.
- b. Take out the valve spring, valve and O-ring.
- c. Take out the gasket and valve seat.
- d. Unbend the lock plate of the tappet guide pin. Push the tappet slightly in and pull out the guide pin using needle-nose pliers. Then remove the tappet.
- e. Remove the spring and upper seat.
- f. Remove the pinion.
- g. Pull out the plunger barrel upward from the pump housing. Keep the removed plunger barrels and plungers in a set for each cylinder. (Do not mix plungers and barrels of other cylinders.)
- h. Pull off the split pin. Remove the washer, return spring and smoke set stopper. Draw out the control rack. Remove the Angleich set spring and plate, if equipped, before taking out the control rack.

CAUTION: Do not disassemble the inter-cylinder injection control adjusting plate. When this plate has been disassembled, it will become necessary to adjust the inter-cylinder injection by a tester. When this plate requires removal, remember to draw a mating mark across the pump body and the plate.

