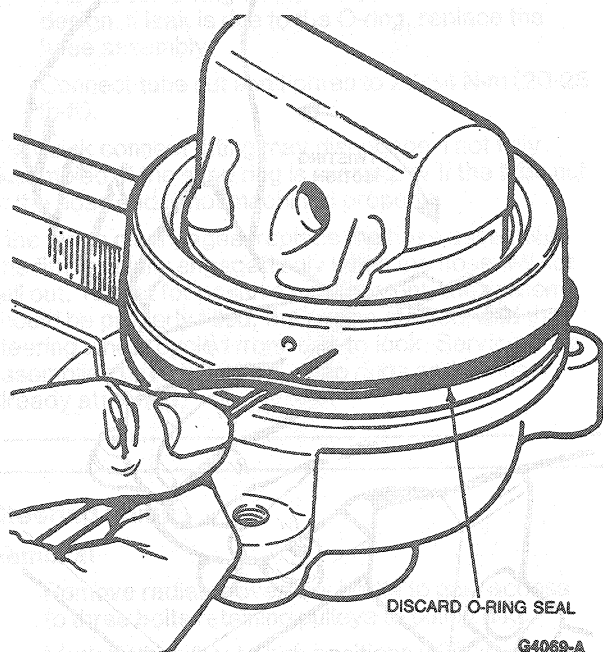


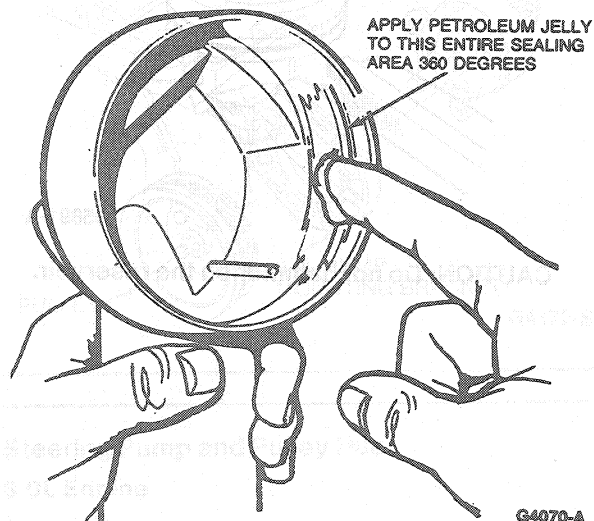
REMOVAL AND INSTALLATION (Continued)

3. Discard O-ring seal on pump housing.



Installation

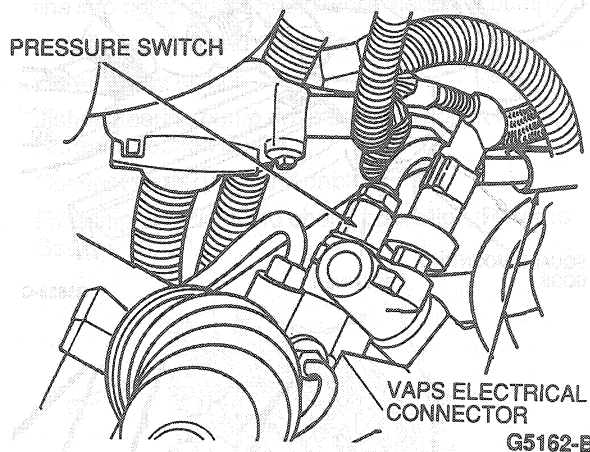
1. Install a new O-ring seal on pump housing.
2. Apply petroleum jelly to reservoir O-ring seal and inside edge of reservoir. Do not twist O-ring seal.
3. Install reservoir over pump and align outlet fitting hole in reservoir with hole in valve cover.
CAUTION: If valve is cocked, it may become stuck in the valve cover. Do not force valve forward. Forcing the valve may shear off metal and carry the metal chips into the valve bore.
4. Place new O-ring seals on outlet fitting. Install flow control spring, flow control valve and outlet fitting into reservoir and valve cover. Tighten fitting to 33-47 N·m (25-34 lb-ft).



Steering Gear Actuator

Removal

1. Remove air inlet duct for access to actuator.
2. Disconnect VAPS electrical connector from actuator.
3. Disconnect pressure switch.
4. Remove two actuator-to-steering gear retaining bolts.
5. Lift actuator from gear assembly.



Installation

NOTE: Ensure that the two seals (between the actuator and gear assembly) are in place when setting the actuator on the gear assembly.

1. Align actuator on steering gear.
2. Install two actuator-to-steering gear retaining bolts. Tighten to 27-34 N·m (20-25 lb-ft).
3. Reconnect pressure switch and VAPS electrical connector.
4. Install the air inlet duct.

VAPS Module

The VAPS module is located below the instrument panel on the RH side of the steering column.

Removal

1. Disconnect wiring harness connector from VAPS module.
2. Remove three module fixture retaining screws from column mounting fixture and remove module.

Installation

1. Align mounting holes of new module to mounting holes on column mounting fixture.
2. Install three module fixture retaining screws and tighten to 4-5 N·m (35-45 lb-in).
3. Reconnect wiring harness connector to VAPS module.