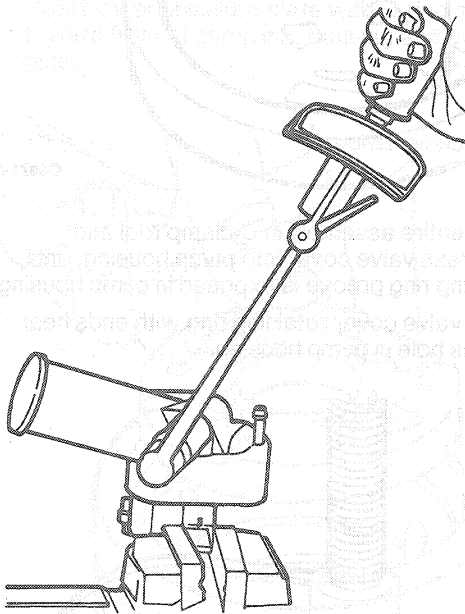


DISASSEMBLY AND ASSEMBLY (Continued)

19. Remove pump assembly from C-clamp tool.
20. Place a new O-ring seal on pump housing. Lubricate this O-ring seal with specified power steering fluid.
21. Install power steering reservoir.
22. Install flow control spring and flow control valve into valve cover.
23. Place new O-ring seals on outlet fitting. Lubricate these seals with specified power steering fluid.
CAUTION: If the flow control valve is cocked, it may become stuck in the valve cover. Do not force the valve forward. Forcing the valve may shear off metal and carry the metal chips into the valve bore.
24. Install outlet fitting into valve cover. Tighten to 33-47 N·m (25-34 lb-ft).
25. Install pulley as outlined.



G3649-B

CLEANING AND INSPECTION

Steering Gear, Power

Cleaning

1. Use a clean work bench and tools.
2. Clean the exterior of the gear with solvent. If necessary, drain off excess hydraulic fluid.
3. Handle parts carefully to avoid nicks, burrs, scratches and dirt. Do not use solvent on seals.

Inspection

1. Inspect input shaft bearing. Check fit of bearing on input shaft. Replace bearing if necessary.
2. Inspect valve housing for wear, scoring or burrs.
3. Check fluid passages for obstruction or leakage.

4. Inspect gear housing for cracks and stripped threads and mating surfaces for burrs. Inspect piston bore for scoring or wear. If necessary, replace housing.
5. Ensure input shaft bearing rotates freely.
6. Inspect piston rack-and-pinion shaft teeth for nicks and burrs.

Steering Gear, Power—Flushing

Always flush power steering gear when replacing pump due to fluid contamination.

1. Disconnect fluid return hose at pump and place end in a container. Plug return hose nipple on reservoir.
2. Fill reservoir with Premium Power Steering Fluid E6AZ-19582-AA (ESW-M2C33-F) or equivalent.
3. Disconnect ignition coil wire and raise front wheels off floor. Refer to Section 00-02.
4. While adding approximately 1.9 liters (0.5 gallon) of fluid, turn ignition to START position (using the ignition key) and crank engine with starter while turning steering wheel from lock-to-lock.
5. When all fluid has been added, turn ignition to OFF position and connect ignition coil wire.
6. Remove plug from the reservoir return hose nipple. Attach return hose to nipple.
7. Check fluid level. Add fluid if necessary.
CAUTION: Do not overfill reservoir.
8. Lower vehicle.
9. Start engine and turn steering wheel slowly from lock-to-lock several times. Check fluid level and adjust as required.

Steering Pump, Power—Flushing

If dirt is found in power steering gear, flush pump as follows:

1. Making sure all other hoses are connected, disconnect pressure hose at gear.
2. Place end of hose in a container.
3. Fill reservoir with Premium Power Steering Fluid E6AZ-19582-AA (ESW-M2C33-F) or equivalent.
4. Disconnect ignition coil wire.
5. While adding approximately 1.9 liters (0.5 gallon) of fluid, turn ignition to START position and crank engine with starter. As soon as all fluid has been added, turn ignition to OFF position.
6. Attach pressure hose at gear.
7. Check fluid level.
8. Connect ignition coil wire.
9. Start engine and turn steering wheel slowly from lock-to-lock to expel any air trapped in the system. Check and adjust fluid level.