ALL MODELS

Chrysler Corp.
Dodge
Plymouth
Ford Motor Co.
General Motors
Chevrolet
GMC
International Harvester
Jeep

LUBRICATION

SERVICE INTERVALS

Chrysler Corp. – Check fluid level every oil change.

Ford Motor Co. – Check periodically or if leakage is observed.

General Motors – On all except motor home chassis, check fluid level every 6 months or 7,500 miles. On motor home chassis, check fluid level every 6 months or 6,000 miles.

International Harvester – Check fluid level periodically.

Jeep – Check fluid level every 5,000 miles.

CHECKING FLUID LEVEL

Chrysler Corp. – Check fluid level with engine stopped and fluid at ambient temperature (70-80°F). Fluid level must be to "FULL COLD" mark on dipstick.

Ford Motor Co. – With fluid at normal operating temperature and system properly bled, shut off engine. Fluid level on dipstick must show on cross hatching between bottom of stick and full mark. Do not overfill.

General Motors, International Harvester & Jeep – Check fluid level with engine stopped and fluid either hot or cold. Fluid level must be to "FULL HOT" or "FULL COLD" mark on dipstick.

Recommended Fluid

Application	Fluid Type
Chrysler Corp.	Power Steering Fluid (2084329)
Ford	①Power Steering Fluid (C1AZ-19582-A,C,D) (Type F)
General Motors	Power Steering Fluid (1050017)
International Harvester	Automatic Transmission Fluid
Jeep	② Power Steering Fluid

① – Automatic Transmission Fluid.
② – AMC/Jeep Power Steering Fluid or equivalent.

REFILLING & BLEEDING SYSTEM

Chrysler Corp. – Fill pump reservoir with power steering fluid, start engine and check for leaks. Bleed system by turning wheels from stop to stop several times. Shut off engine and check fluid level.

Ford Motor Co. – Fill pump reservoir with fluid and run engine until fluid reaches operating temperature (165-175°). Turn steering wheel all the way to the left then all the way to the right without hitting stops several times. Check fluid and add if necessary.

General Motors – 1) Fill reservoir to correct level. Let oil settle for two minutes. Start engine and run for two seconds. Check reservoir and add oil if necessary. Repeat procedure until level in reservoir remains constant after running engine.

2) Raise front of vehicle so that both wheels are off ground. Start engine and increase engine speed to 1500 RPM. Turn wheels right and left, lightly contacting stops. Check reservoir level and add oil if necessary.

3) If oil is foamy, allow vehicle to stand still for a few minutes with engine off. Repeat procedure with vehicle raised. Again check fluid level and for air in system. If level is low or there is air in system, repeat complete procedure.

International Harvester – Fill reservoir to correct level. With power steering pump belt removed, turn pulley backwards (counterclockwise viewed from front) until air bubbles no longer appear in reservoir.

Jeep – Fill reservoir to correct level. Turn wheels from right to left without hitting wheel stops. Maintain fluid level just above pump housing. Fluid with air will have a red or light tan appearance.

SERVICE

Belt Tension

Tension (Lbs.) Using Strand Tension Gauge

Application	New Belt	Used Belt
Chrysler Corp.	120	70
Ford Motor Co.		
1/4" Belt	80	60
All Other Belts	140	75-120
General Motors		
5/16"	80	50
3/8"	140	70
15/32"	165	90
International Harvester	①	
Jeep		
All Exc. 3/8"	125-155	90-115
3/8"	65-75	60-70

① – Belt Deflection should be 3/8".

TESTING

PRESSURE TEST

All Except Ford Motor Co. – 1) With belt tension correct, disconnect power steering pump press hose, keeping hose end raised to prevent excess fluid loss. Connect pressure hose of suitable power steering pressure gauge to power steering pump fitting. Connect a second pressure hose from valve side of tester to steering gear inlet. Open valve fully and run engine until fluid obtains normal operating temperature. Check fluid level and add fluid if necessary.

ALL MODELS (Cont.)

2) On all models except Chrysler Corp., note pressure reading with valve open and engine idling. This pressure should be 80-125 psi. If pressure is in excess of 200 psi, check hoses for restrictions and poppet valve (in gear) for proper assembly. On all models, close tester valve fully and re-open three times. Record highest pressure noted each time. **CAUTION** – *Do not hold valve closed for more than five seconds as pump damage may result.* If pressures are within specifications and range of readings is within 50 psi, pump is operating satisfactory.

3) If pressures recorded are high, but do not repeat within 50 psi, flow control valve is sticking. If pump performance is to specifications, turn steering wheel to both stops with valve open and note highest pressures. DO NOT hold wheel against stops for more than 5 seconds. Compare readings with maximum pump output. If pump output cannot be met in either side of gear, gear is leaking internally. Shut off engine and remove tester. Reconnect all hoses and recheck fluid level.

Pressure Test Specifications

Application	Pump Output Pressure (psi) Idle Pressure	Relief Pressure
Chrysler Corp.	900	1350-1450
General Motors		
C10-C30	80-125	1200 1300
G10-G20	80-125	900-1000
G30	80-125	1200-1300
P10-P30	80-125	1200-1300
Motor Home & "K" Models	80-125	1350-1450
International Harvester		1200
Jeep		
CJ Models	80-125	1100-1200
All Other Models	80-125	1400-1500