



# 'Jeep' UNIVERSAL 4

1945-64 All Models

HOOD RELEASE: Both sides

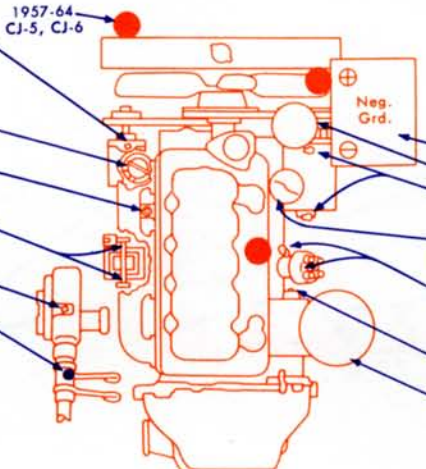
**SAFETY "CAR CHEK" SERVICE EVERY 60 DAYS EXCEPT AT MILEAGE** ■ **SYMBOLS SHOWN**

**COOLING SYSTEM** ..... Quarts  
 With Heater Without Heater  
 All models ..... 12 11  
 Cooling system pressure, 7 pounds



**CRANKCASE** ..... MS  
 Above +32° ..... 30 or 10W/30  
 +32° to 0° ..... 20/20W or 10W/30  
**CAPACITY 4 quarts**  
 Change oil at least every 60 days or even more often under certain driving conditions

**Governor** ..... 20/20W MO  
 With level plug, fill to plug hole  
 Without level plug, fill with 2 ounces  
**2 DRAIN and REFILL**  
**Fuel Filter** ..... Clean screen  
**6 PCV System Valve** ..... CC  
 On cars having this equipment, remove, clean or replace valve and hose  
**Manifold Heat Control Valve Shaft** ..... GK  
 L-head engine  
**Steering Gear (plug)** ..... 90 MP  
**Remote Control Gearshift** ..... GX  
 Some early models



**Battery** ..... Test and fill  
**Oil Filter** ..... Replace, add extra quart oil **4**  
**Generator (2 oil cups)** ..... 10W MO  
 Lubricate sparingly. Alternator, no lubrication  
**Oil Fill Cap**  
**Crankcase Dipstick** ..... Check level  
 Combined with oil fill cap. Full to Add 1 qt.—1 qt.  
**Distributor Shaft (oil cup)** ..... 10W MO  
 Wick under rotor ..... 10W MO  
**Starter (covered oil hole)** ..... 10W MO  
 Some 1950 and earlier  
**Air Cleaner Element** ..... Service  
 Oil bath... Clean & fill, crankcase grade MO **2**

**Front Suspension and Steering Linkage** ..... (7 to 13 fittings) GX  
**Brake Master Cylinder (cap) (thru floor)** ..... GSHDB  
 Fill to 1/2 inch below top of fill hole  
**Clutch and Brake Pedals** ..... GX

**TRANSMISSION and TRANSFER CASE** ..... 90 MP  
 Maintain level to fill plug hole  
 Transmission, some models, plug on right side  
**CAPACITY** Transmission: 3-speed 3 pints; 4-speed 6 1/2 pints. Transfer Case, 3 1/2 pints  
**S DRAIN and REFILL**  
 Transfer Case, drain and fill thru separate plug holes

**10 Hand Brake Cable** ..... Coat GX  
**10 Speedometer Cable** ..... Coat GX  
**10 Power Take-Off Universal Joint** ..... Repack GX  
 Must be disassembled. Qualified Mechanic only  
**Spring Bolts** ..... GX  
 Some, no lubrication  
**Rear Wheel Bearings**  
 Fittings ..... GX  
 Apply sparingly until lubricant appears at vent hole above fitting  
**6 Without fittings** ..... Clean and repack GX  
 Must be disassembled. Qualified Mechanic only

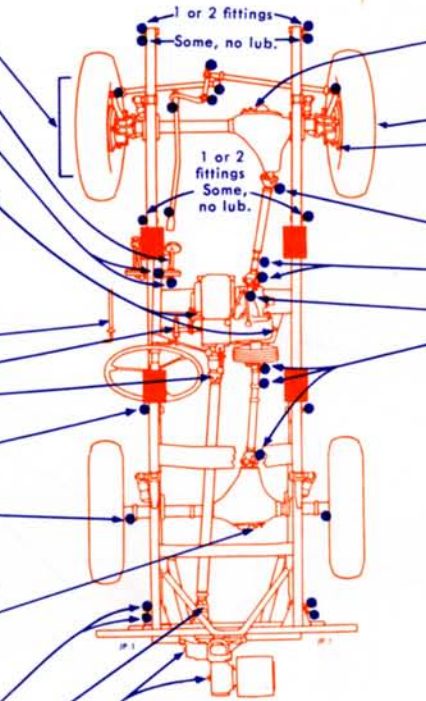
**REAR DIFFERENTIAL** ..... 90 MP  
 Maintain level to fill plug hole  
**CAPACITY 2 1/2 pints**  
**S DRAIN and REFILL**  
**Spring Shackles** ..... GX  
 Some, no lubrication  
**10 Power Take-Off Universal Joint** ..... Repack GX  
 Must be disassembled. Qualified Mechanic only  
**Power Take-Off and Belt Pulley Housing** ..... 90 MP  
 Fill each unit to plug level  
**2H Drain and refill thru separate plug holes**

**GAS TANK** ..... Gallons  
 All models ..... 10 1/2

**TIRES** ..... Pressure Front Rear

6.00-16	26	28
7.00-15	20	24
7.60-15	27	27
6.50-16, 7.00-15, 6 ply	27	27
6.70-15, 6 ply	24	32
7.00-16, 6 ply	30	45
9.00-13	25	25

**TY** Rotate tires



**FRONT DIFFERENTIAL** ..... 90 MP  
 Maintain level to fill plug hole  
**CAPACITY 2 1/2 pints**  
**DRAIN and REFILL** ..... **10**  
**Front Wheel Bearings** ..... Clean and repack GX **6**  
**Front Axle Universal Joints (plug)** ..... GX  
 Maintain level to fill plug hole  
 Repack ..... GX **10**  
 Must be disassembled. Qualified Mechanic only  
**Universal Joint** ..... GX  
 Use low pressure  
**Universal and Slip Joints** ..... GX  
 Use low pressure  
**Transfer Case Lever Shaft** ..... GX  
**Universals and Slip Joints** ..... GX  
 Use low pressure

## BRAKE ADJUSTMENT

(Qualified Mechanic only)

With the brakes cold, if the brake pedal can be depressed more than 2", the need for service is indicated  
 Two adjustment cams are provided on each backing plate  
 Adjust the brakes as follows:  
 1. Turn adjustment cam until drum cannot be turned by hand  
 2. Back off adjustment cam until drum just turns freely without drag  
 3. Repeat steps 1 and 2 for other adjustment cam  
 4. Repeat procedure at each wheel  
**Bleeding sequence: RR, LR, RF, LF**

## KEY TO INTERVALS

- 2** Every 2,000 miles  
 Field or industrial work: Every 50 hours
- 4** Every 4,000 miles  
 Field or industrial work: Every 100 hours
- 6** Every 6,000 miles  
 Field or industrial work: Every 250 hours
- 10** Every 10,000 miles  
 Field or industrial work: Every 250 hours
- TY** Twice yearly
- 2H** Every 250 hours
- S** Seasonal—Spring and Fall

- Position for lift adapter
- Lubrication fitting
- Cooling system drain

**FOR YOUR SAFETY, WE CHECK YOUR BATTERY, BRAKE FLUID, FAN BELT, LIGHTS, MUFFLER, TIRES AND WIPER BLADES**



GX Gulflex A  
 MS Gulfpride Single-G or Gulfpride Motor  
 MO Gulfube Motor Oil  
 MP Gulf Multi-Purpose Gear Lubricant

GSHDB Gulf Super Heavy Duty Hydraulic Brake Fluid  
 CC Carburetor Cleaner  
 GK Graphite mixed with kerosene

GULFPRIDE OILS—Best for all cars