

**PREVENTIVE MAINTENANCE CHECKS AND SERVICES  
INSPECTION CHECKLIST**

- A. CLASS I. Leakage indicated by wetness or discoloration not great enough to form drop.
- B. CLASS II. Leakage great enough to form drops but enough to cause drops to drip from item checked/inspected.
- C. CLASS III. Leakage great enough to form drops that fall from the item being checked/inspected.

**MAKE THE FOLLOWING WALK- AROUND CHECKS.**

Exterior of Vehicle

- a. Visually check for obvious damage to body and cab that would impair operation None noted
- b. Visually check for under inflated and unserviceable tires. (including the spare). Check tires for leaks, cuts, gouges, cracks, or bulges. Remove all penetrating objects. OK
- c. Look under vehicle for evidence of fluid leakage (fuel, oil, brake fluid, and coolant). No Leaks observed

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- d. Check condition of:
  - 1. Windshield and windows. Drivers side window hard to operate
  - 2. Windshield wiper arms and blades. Non operational
  - 3. Mirrors. OK
  - 4. All locking and fastening devices. OK
  - 5. Spare tire mounting. OK

1. FUEL SYSTEM

- a. Check fuel tank for leaks and broken supports. OK
  - b. Check fuel lines and hoses for leaks and damages. OK
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Make sure all connections are secure. OK

2. BATTERIES

a. Check that fluid level is to split-ring OK

b. Visually check terminals and posts for tightness, damage, and corrosion. OK

c. Visually check batteries for cracked or leaking casing, broken or burnt terminal posts. OK

d. Check battery compartment for corrosion. OK

3. PRIMARY FUEL FILTER

a. Open draincock at bottom of fuel filter. Drain approximately one pint of fuel into a container. \_\_\_\_\_

4. SECONDARY AND FINAL FUEL FILTERS.

a. Open draincocks and at bottom of secondary fuel filter and final fuel filter. \_\_\_\_\_

5. AIR RESERVOIR DRAINCOCKS

a. Open draincocks on bottom of air reservoirs and drain moisture. \_\_\_\_\_

b. Close draincocks.

6. FRAME

a. Visually check frame side rails, cross members and underbody supports for broken bolts, obvious cracks, broken welds, loose rivets, and rusted-through condition. OK

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**ENGINE COMPARTMENT**

7. AIR INTAKE SYSTEM

a. Check clamps for tightness and hump hose, tube, hose, and air cleaner assembly for openings which would allow foreign materials to enter engine.

OK

8. RADIATOR

a. Check radiator cap for cracks, bends, and tightness. OK

- b. Check all hoses for deterioration, leakage, and secure connections.

**OK**

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9. DRIVEBELTS

- a. Check for missing belts. **OK**

- a. Check compressor for loose bolts and air leaks. **OK**

10. ENGINE OIL LEVEL

- a. When checking COLD, oil level should be approximately 1 in. above full mark. Add oil as necessary. Do not overfill.

**OK**

- b. When checking HOT, oil level should be between the "ADD" and "FULL" marks. Add oil as necessary. Do not overfill.

11. FUEL SYSTEM

- a. Start engine, and after system has warmed up, check exhaust pipes and couplings for leaks and loose clamps. **OK**

**INTERIOR OF VEHICLE**

12. INSTRUMENTS

- a. Start engine and run at idle speed (650-850 RPM) to let it warm up, and listen for air buzzer.
- b. Listen for unusual noise or vibration.
- c. Check engine instruments on instrument panel for abnormal readings during operation.
1. Oil pressure **Green**
  2. Temperature **Gauge missing**
  3. Air pressure gage **OK**
  4. Battery/Generator gage **Green**
  5. Tachometer gage **OK**
  6. Fuel gage **OK**
  7. Speedometer/Odometer **OK**
- d. Engine stop cable.
- e. Hand throttle control.

13. SEAT BELTS

- a. Check for proper operation of buckle and clasp ends.
- b. Check seat belts for security of mounting.

14. CLEANER INDICATOR

- a. Check air cleaner indicator at bottom of instrument panel. A red band means filter element needs to be cleaned or replaced. **Indicator in red**

15. BRAKES

- a. Start engine with parking brake fully engaged. Bring vehicle air pressure up to a minimum of 85 psi. Shut down engine. While assistant applies and holds the service brake pedal in an engaged position, listen and visually check.
1. Air reservoirs for leaks.

2. All brake line, and hoses (air and hydraulic) for deterioration, chafing, binding, and leaks.
  - b. Operate service brakes to determine stopping ability. Check for any pulling to one side, grabbing, or other abnormal operation.
  - c. Determine parking brake ability to hold vehicle by first applying parking brake, then engage transmission in 5<sup>th</sup> gear. Vehicle should not move when clutch is slowly released.
  - d. Adjust parking brake as required by moving knob on top of brake handle clockwise to increase braking action, counterclockwise to decrease braking action.
  - e. Check master cylinder level. Fill as necessary. **OK**
16. STEERING SYSTEM
- a. Check for unusual free play, binding, wander, or shimmy. **OK**
17. SUSPENSION
- a. Check for excessive bounce. **OK**
18. TRANSMISSION
- a. Shift transmission in all ranges, observing any unusual stiffness or binding of shifting linkage. **OK**
19. CLUTCH
- a. Check for drag, noise, chatter, grab, slippage, and clashing of gears. **OK**
20. TRANSFER CASE
- a. Check shifting operation for unusual noises stiffness, or jumping out of gear. **OK**
21. HORN
- a. Check for operation if tactical situation permits. **OK**
22. FRONT AND REAR DRIVE AXLES AND PROPELLER SHAFTS
- a. Listen for unusual noises or vibrations. Vibrations, clicking, or clunking noises indicate worn U-joints or damaged propeller shafts. **OK**