



# DEFENDER

## 52,500 MILE/84,000 KILOMETER SERVICE CHECKLIST 1993 DEFENDER 1 10/1994 DEFENDER 90

Owner's Name: \_\_\_\_\_ Date: \_\_\_\_\_ R.O.#: \_\_\_\_\_

### REQUIRED MAINTENANCE

- Change engine oil
- Replace engine oil filter
- Replace Positive Crankcase Ventilation intake filter - clean orifice and mesh breather - inspect all hoses
- Check condition of drive belts - adjust if required
- Check/top up cooling system (including auxiliary heater if equipped)
- Check ignition wiring for condition, routing and fit
- Remove distributor rotor, lubricate distributor shaft bushing: 3 drops light oil
- Clean distributor cap and rotor - check for cracks and tracking - apply a small amount of silicone grease to rotor shaft before re-installing rotor
- Check/adjust ignition timing
- Check engine idle speed to verify **IACS** (Stepper motor operation)
- Check fuel filler cap seal for condition
- Replace fuel filter
- Check fuel lines for routing and condition, and fuel system for leaks
- Check evaporative emissions system (EVAP) hoses for routing and leaks - tighten fuel filler hose clamps
- Check engine emission control system hoses/wiring for condition and routing
- Check on-board diagnostic (OBD) readout for presence of fault codes - repair/clear as required
- Reset emissions maintenance reminder (EMR) control unit
- Check exhaust system for leaks, condition and damage

### RECOMMENDED MAINTENANCE

- Check/top up transfer gearbox oil: EP **80W/90** gear oil (GL 4 or 5)
- Check/top up transmission oil: ATF Type "F"
- Check/top up front axle oil: EP **80W/90** gear oil (GL 4 or 5)
- Check/top up steering swivel housing oil: EP **80W/90** gear oil (GL 4 or 5)
- Check/top up rear axle oil: EP **80W/90** gear oil (GL 4 or 5)
- Check/top up brake and clutch master cylinders: DOT 4 brake fluid
- Check/top up power steering reservoir: ATF Type "F"
- Lubricate front and rear drive shaft universal joints: Multi-purpose lithium grease
- Lubricate parking brake linkage: General purpose grease

Continued on reverse side

- [ ] Check operation of parking brake - adjust if required
- [ ] Check shock absorbers and load **levelling** unit for leaks (if equipped)
- [ ] Check brake and clutch lines, hoses and unions for condition, routing and leaks
- [ ] Check power steering system for leaks; hydraulic hoses and unions for routing and condition
- [ ] Check fuel lines for routing and condition, and fuel system for leaks
- [ ] Inspect brake pads for wear, calipers for leaks, and discs for condition
- [ ] Remove rear brake drums, inspect linings and drums for wear and wheel cylinders for leaks (Defender 110)
- [ ] Reinstall rear brake drums; adjust brake shoes (Defender 110)
- [ ] Check clutch/foot brake operation and travel
- [ ] Check tires for cuts, lumps, bulges, tread wear; and road wheels for damage
- [ ] Check that tires comply with manufacturer's specifications
- [ ] Check/adjust tire **pressure**:-
  - 110: Front: 28PSI (1.9 BAR); Rear 48PSI (3.3 BAR)
  - 90: Front: 28PSI (1.9 BAR); Rear **35PSI** (2.4 BAR)
- 11 Check spare tire pressure - inflate to:-
  - 110: 48PSI (3.3 BAR)
  - 90: **35PSI** (2.4 BAR)
- [ ] Lubricate swing-away spare tire holder - multi-purpose lithium grease (Defender 90)
- [ ] Torque road wheel lug nuts:
  - 75-85ft.lbs. (102-l 16Nm)**- Steel wheels
  - 95 ft.lbs. (129Nm)** - Styled cast wheels
- [ ] Check operation of door, hood, tailgate, locks and window controls/slides
- [ ] Check condition and operation of seats, seat belt mountings, belts and buckles
- [ ] Check operation of all instruments, gauges, warning indicators, lamps, horn and stereo cassette system
- [ ] Clean and grease battery terminals: Petroleum jelly
- [ ] Check all approved accessories fitted, for condition and operation
- [ ] Re-code stereo and test drive vehicle

**YOUR NEXT SERVICE IS DUE IN SIX (6) MONTHS OR 7,500 MILES  
(12,000 KM), WHICHEVER IS SOONER**

**PLEASE REFER TO YOUR OWNER'S MANUAL FOR INFORMATION  
REGARDING SERVICE RECOMMENDATIONS AND INTERVALS IF  
YOUR VEHICLE IS USED EXTENSIVELY OFF-ROAD, OR UNDER  
SEVERE OPERATING CONDITIONS**