



DEFENDER

15,000 MILE/24,000 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
- Check exhaust system for leaks, condition and damage
- Check condition of drive belts - adjust if required
- Check/top up cooling system *

* **Recommended maintenance** In California

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 power steering reservoir: ATF Type "**F**"
- Lubricate front and rear drive shaft universal joints: Multi-purpose lithium grease
- Check torque of drive shaft coupling bolts: **30-38ft.lbs** (41-52 Nm)
- Lubricate parking brake linkage: General purpose grease
- Check operation of parking brake - adjust if required
- Check shock absorbers and load **levelling** unit for leaks
- 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 condition of steering box, linkage, ball joints and dust covers
- 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)
- Change brake and clutch fluids - bleed systems: DOT 4 Brake fluid
- Check clutch/foot brake operation and travel

Continued on reverse side

- 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)
- Check spare tire pressure - inflate **to**:-
 - 1 IO: 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/adjust front wheel toe out: **1.2mm - 2.4mm (3/64" - 3/32")**
- Check under hood electrical harness and ignition wiring for condition, routing and fit
- Check ignition wiring and HT leads for wear or damage
- Clean distributor cap and rotor - check for cracks or tracking
- Remove, clean and adjust spark plugs - gap: **0.84-0.96mm (0.033-0.038in.)**
- Check/clean air cleaner dump valve and element
- Check operation of throttle linkage - lubricate pedal pivot: light oil
- Check cooling/heating system for leaks; hoses/clamps for condition and tightness (including auxiliary heater, if equipped)
- Check operation of door, hood, tailgate, locks and window controls/slides
- Lubricate all locks (except ignition), hinges and door checks: Wurth HHS 2000 or equivalent
- Check condition and operation of seats, seat belt mountings, belts and buckles
- Check operation of windshield washers/wipers
- Check HVAC system for correct operation
- Check operation of all instruments, gauges, warning indicators, lamps, horn and stereo cassette system
- Aim headlamps to local specifications
- Check battery condition, clean and grease terminals: Petroleum jelly
- Check all approved accessories fitted, for condition and operation
- Perform annual corrosion inspection if applicable
- 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