



DEFENDER

45,000 MILE/72,000 KILOMETER SERVICE CHECKLIST 1993 DEFENDER 11 0/1994 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
- Lubricate front and rear drive shaft slip joints: Multi-purpose lithium grease
- Check torque of drive shaft coupling bolts: 30-38 ft.lbs. (41-52Nm)
- 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 steering box - adjust lash if required
- 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 1 IO)
- Change brake and clutch fluids - bleed systems: DOT 4 brake fluid

Continued on reverse side

- [] **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)
- [] 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:
 - 75-65 **ft.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
- [] Clean distributor cap and rotor - check for cracks or tracking
- [] Remove, clean and adjust spark plugs - gap: 0.64 - **0.96mm** (0.033" - 0.036")
- [] 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 air conditioning system for correct operation (ii fitted)
- [] 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 (12,900 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**