

Mr./Mrs/Ms: _____ Model: _____ Reg.No: _____

Invoice/Job no: _____ Odometer reading: _____ V.I.N: _____



DEFENDER (Tdi) (99 MY ON)

MAINTENANCE CHECK SHEET

Service type:	A	B	A	C	A	B	A	C	A	B	A	C	A	B	A	C
Months/,000 km:	6/10	12/20	18/30	24/40	30/50	36/60	42/70	48/80	54/90	60/100	66/110	72/120	78/130	84/140	90/150	96/160

Adjust/Lubricate/Replace - Labour cost included in scheduled time except items marked *

Check - After the checking procedure, cleaning, adjusting, repairing or replacing is subject to extra labour and material cost.

A	B	C	VEHICLE INTERIOR
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1. Check condition and security of seats and seat belts
2. Check operation of all lamps, horns and warning indicators
3. Check operation of front/rear wipers and washers and condition of wiper blades
4. Check operation of handbrake
5. Check battery condition
6. Replace alarm handset batteries

VEHICLE EXTERIOR			
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7. Annual corrosion/cosmetic inspection - **Using annual corrosion inspection sheet, vehicles sold after 21/11/98**
8. Check headlamp and auxiliary lamp alignment
9. Remove road wheels
10. Check and adjust tyre pressures
LHF RHF RHR LHR Spare
11. Check and record tread depth
LHF RHF RHR LHR Spare
12. Inspect brake pads for wear, calipers for leaks and discs for condition
13. Renew fuel filter element
14. Drain fuel sedimenter
15. Refit road wheels to original hub position (Use anti-sieze compound on spigot bore)
16. Visually check intercooler/radiator for external obstructions and fan blades for damage
17. Check ambient air pressure sensor for damage
18. Check operation and Lubricate door locks, hinges, door checks and bonnet catch

UNDER BONNET			
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19. Renew engine coolant
20. Replace Brake Fluid - **Also see recomendations**
21. Check cooling, intercooler and heating systems for leaks, hoses and oil pipes for security and condition. Top up as required
22. Check/adjust valve clearances - **First service "A" then every service "B" and "C"**
23. Clean engine breather filter
24. Renew air cleaner element and clean dump valve
25. Check condition of ancillary driving belt
26. Renew ancillary driving belt
27. Remove wading plug and check condition of camshaft driving belt
28. Renew camshaft driving belt
29. Check/top up brake, PAS and clutch fluid levels and screen washer reservoirs
30. Check/adjust steering box
31. Flush diesel intercooler element

A	B	C	UNDER VEHICLE
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32. Renew engine oil filter
33. Renew manual gearbox oil
34. Renew transfer box oil
35. Check and top up transfer box oil
36. Renew front and rear axle oil
37. Check and top up front and rear axle oil
38. Lubricate propeller shaft universal/sliding joints
39. Check visually, brake servo hose, brake, fuel, clutch pipes and unions.
40. Check for fluid leaks from power steering systems hydraulic pipes and unions for chafing and corrosion
41. Check for fluid leaks from Engine, Gearbox, Transfer box and Axles
42. Check exhaust system for leaks, security and damage
43. Check/tighten steering box and front and rear axle suspension fixings
44. Check steering rod ball joint fixings and condition of ball joints and dust covers
45. Check shock absorbers for leakage and damage
46. Check/tighten front and rear axle suspension link fixings, check condition of mounting rubbers
47. Check security of towing bracket
48. Check security of engine and transmission mounting rubbers
49. Carry out road or roller test (see WARNING over page)
50. Endorse service record
51. Report any unusual features of vehicle condition and additional work required

The maintenance items listed, are those recommended for vehicles operating under normal driving, road and climatic conditions. More frequent attention may be necessary if the vehicle is subject to stop/start operation, extremes of temperature, dusty conditions, off road driving or frequent towing of trailers. See overleaf for details

Service check completed and service portfolio book endorsed

Name: Signature: Date:

ARDUOUS DRIVING CONDITIONS - ADDITIONAL REQUIREMENTS

Driving Condition					Maintenance Item	Task	Interval
V	W	X	.	Z	Engine oil and filter	R	Every 5,000 km or 3 months
.	W	.	Y	.	Air cleaner element - all models	S	Every 5,000 km or 3 months
.	W	.	Y	.	Fuel Filter element - diesel models	R	Every 10,000 km or 6 months
.	W	.	Y	.	Drain fuel sediment - diesel models	S	Every 10,000 km or 6 months
.	.	X	.	.	Cooling hoses and connectors - all models	I	Every 10,000 km or 6 months
.	W	X	Y	Z	Camshaft drive belt	R	Every 60,000 km or 36 months
.	W	X	Y	.	Ancillary drive belt - all models	I	Every 10,000 km or 6 months
.	W	X	Y	Z	Wheel bearing grease - all models	S	Every 40,000 km or 24 months
.	W	X	Y	Z	Gearbox oil - all models	R	Every 20,000 km or 12 months
.	W	.	Y	Z	Front and rear brakes - all models	I	Every 5,000 km or 3 months
.	W	.	Y	.	Suspension and steering components	I	Every 10,000 km or 6 months
.	W	X	Y	.	Greasing points on propshaft	S	Every 10,000 km or 6 months

Driving Condition Code

V = Repeated short distance driving (e.g. up to 8 km), or stop start driving or idling for long periods

W = Driving in dusty and/or sandy conditions

X = Driving in extremely hot conditions

Y = Driving on rough and/or muddy roads and/or wading

Z = Towing a trailer or driving in mountainous conditions

Task Codes

I = Inspection

R = Replace

S = Service

WARNING :

Two wheel roller tests must not be carried out. Four wheel roller tests must be restricted to 5km/hour.

IMPORTANT

OIL CHANGE DIESEL ENGINES

If the vehicle is operated on fuel with a high sulphur content (over 1%) the oil change intervals must not exceed 10,000 km.

IT IS RECOMMENDED THAT :

At 80,000 km intervals or every four years whichever is the earlier, all hydraulic brake caliper fluid seals, flexible brake hoses and brake servo filter should be renewed.

All working surfaces of the master cylinder and caliper cylinders should be examined and renewed where necessary.

For full details regarding the operations contained in this maintenance check sheet, please refer to the workshop manual.

GLOSSARY

LUBRICATION SERVICE (A) = The lubrication service is applicable to all TDi vehicles at 6 months/10,000 km, 18 months/30,000 km, 30 months/50,000 km, 42 months/70,000 km and so on.

MAIN SERVICE = The main service is applicable to all vehicles. It is carried out at 12 month or 20,000 km intervals, whichever occurs first.

Main Service (B) is applicable at 12 months/20,000 km, 36 months/60,000 km, 60 months/100,000 km, 84 months/140,000 km and so on.

Main Service (C) is applicable at 24 months/40,000 km, 48 months/80,000 km, 72 months/140,000 km, 96 months/160,000 km and so on. Some items do not need to be carried out at every main service and these items are identified by an indicator in the tick box e.g. 100k (This indicates that this item is only applicable every 60 months/100,000 km).

NOTE: The service required should be at the time or distance stated, **which ever occurs first.**