

Chapter 2

Routine Maintenance

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Specifications

LUBRICANTS AND FLUIDS

Engine oil:

Grade —

Recommended SAE 10W – 30 SH, SJ or ILSAC
Alternative SAE 15W – 40 or 20W – 50 SH or SJ

Capacity —

With filter 5.2 litres
Without filter 4.9 litres

Cooling system:

Coolant Clean demineralised water and 50 %
ethylene glycol type inhibitor

Capacity —

Without rear heater Approximately 8 litres
With rear heater Approximately 9 litres

Automatic transmission:

Lubricant Dexron II or III

Capacity —

Dry fill 10.2 litres
Drain and refill 2.0 litres

Manual transmission:

Lubricant SAE 75W – 90 GL 4 or GL 5

Capacity 2.2 litres

Transfer case:

Lubricant SAE 75W – 90 GL 4 or GL 5

Capacity 1.2 litres

Clutch fluid type Dot 3 brake fluid

Brake fluid type Dot 3 brake fluid

Power steering fluid Dexron II or III

Front axle:

Lubricant SAE 90 hypoid gear oil GL 5

Capacity 1.1 litres

Rear axle:

Lubricant SAE 90 GL 5 for Limited slip differential

Capacity 2.6 litres

Body:

Hinges Engine oil or spray grease

Lock cylinders Graphite powder

Door strikers Dry lube

Wheel bearings Lithium based wheel bearing
grease NLGI No 2

Propeller shafts:

Universal joints Lithium based grease NLGI No 2

Sliding yokes and double cardan joints Molybdenum
disulphide lithium based grease NLGI No 2



*Lubricant capacities are approximate only. The correct
lubricant level should be checked at the filler plug or
dipstick.*

Description

This chapter contains the specifications for all items which would normally be part of regular servicing of the vehicle.

Also included is a Maintenance Chart which lists all service items and the intervals at which they should be checked.

Procedures and specifications relating to engine tune-up are covered at the start of Engine (chapter 4).

When performing a scheduled service, refer to the chart and note the items which are listed under the appropriate distance or time period. The information for servicing various items is listed in the relevant chapter under the Routine Maintenance heading.

Maintenance Chart

The following maintenance chart applies to vehicles operating in normal conditions and should be performed at the specified intervals of distance or time, whichever occurs first. The service period must be reduced if the vehicle is operating under severe conditions which includes one or more of the following: (a) Heavily laden or towing a trailer; (b) Repeatedly travelling short distances; (c) Repeatedly travelling for long periods at low speed or with extensive periods of idling; (d) Operating in rough, muddy or dusty conditions. Refer to the relevant chapter in the manual for the routine maintenance procedures.

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Service Items	KM X 1000 MONTHS	WEEKLY	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
		6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	
Engine (Chapter 4)																		
1 ¹ Engine oil and oil filter			R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2 ¹ Air cleaner element			I	I	I	I	I	I	I	I	I	R	I	I	I	I	I	I
3 Fuel filter										R								R
4 Spark plugs						R				R				R				R
5 Coil and leads						R				R				R				R
6 Drive belts			I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
7 Exhaust system				I		I		I		I	I	I	I	I	I	I	I	I
8 Idle mixture				A		A		A		A		A		A		A		A
9 Timing belt																	R	
10 Valve clearance										A								A
11 Oil leakage				I		I		I		I		I		I		I		I
Cooling System (Chapter 5)																		
1 Coolant			I	Renew every 24 months regardless of the kilometers														
2 Hoses and connections						I				I		I		I		I		I
3 Radiator exterior surfaces			I		I		I		I		I		I		I		I	I
Fuel and Engine Management (Chapter 7)																		
1 Fuel lines and connections						I				I		I		I		I		I
2 Engine compartment wiring and connectors						I				I		I		I		I		I
3 Air inlet duct and connections						I				I		I		I		I		I
Emission Control (Chapter 8)																		
1 PCV valve						I				I		I		I		I		I
2 Fuel vapour control valve						I				I		I		I		I		I
3 Charcoal canister						I				I		I		I		I		I
4 Fuel tank cap						I				I		I		I		I		I
Clutch and Manual Transmission (Chapters 9 & 10)																		
1 Clutch fluid level			I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2 ^{1,3} Propeller shafts			L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
3 ¹ Propeller shaft bolts			T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
4 ⁴ Transmission oil						I				I				I				I
5 ⁴ Transfer case oil						I				I				I				I

A – Check and Adjust

I – Inspect

L – Lubricate

R – Renew

T – Tighten

¹ Reduce the service interval to 5 000 km or every 3 months under severe conditions.

² Reduce the service interval to 10 000 km or every 6 months under severe conditions.

³ Lubricate within 24 hours of driving through water.

⁴ Renew transfer case and transmission lubricant at 40 000 km or every 24 months when driving continuously at high speed for more than 2 hours or when towing a trailer.

⁵ Renew the lubricant at 20 000 km or every 12 months when driving continuously at high speed for more than 2 hours or when towing a trailer.

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Service Items	KM X 1000	WEEKLY	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
			6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Automatic Transmission (Chapter 11)																		
1	⁵ Fluid level		I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R
2	Fluid leakage			I		I		I		I		I		I		I		I
3	Selector lever			L		I		L		I		L		I		L		I
Steering (Chapter 12)																		
1	Power steering fluid		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Steering wheel and linkages			I		I		I		I		I		I		I		I
Axle and Suspension (Chapters 13 & 14)																		
1	² Ball joints and dust covers			I		I		I		I		I		I		I		I
2	⁵ Differential oil			I		R		I		R		I		R		I		R
3	² Front and rear suspension	I		I		I		I		I		I		I		I		I
Brakes (Chapter 15)																		
1	Brake fluid	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	¹ Brake pads discs and calipers		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
3	Handbrake operation			A		A		A		A		A		A		A		A
4	² Handbrake linings and drums					I				I				I				I
5	Brake pipes and hoses including booster hose			I		I		I		I		I		I		I		I
Electrical system (Chapters 6 & 16)																		
1	Battery electrolyte, terminals and mounting		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Lamps, horn, wipers and washers		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Body (Chapter 17)																		
1	² Chassis and body nuts and bolts											T						
2	Bonnet, doors, locks and hinges				L			L		L		L		L		L		L
3	Seat belts, retractors and anchors			I		I		I		I		I		I		I		I
4	Underbody condition		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Ventilation (Chapter 18)																		
1	Operate air conditioning system for a minimum of 5 minutes	I																
2	Heating system hoses and clamps					I				I				I				I
3	A/C condenser exterior surfaces, lines and refrigerent level		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
4	A/C evaporator drain tube					I				I				I				I
Wheels and Tyres (Chapter 19)																		
1	Tyre pressures		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
2	Tyre and wheel condition		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
A – Check and Adjust			I – Inspect			L – Lubricate			R – Renew			T – Tighten						
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