

CHAPTER 12

Servicing

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SERVICE INTERVALS

Service intervals

The first service is due at 1,500 km, then at 10,000 km, 20,000 km, 30,000 km etc.

Distance based service intervals

The Maintenance Plan for your car has been developed for the convenience of the average driver, who drives approximately 10,000 km in 6 months.

If you drive less than 10,000 km in 6 months some oils have to be changed more frequently. The oils in the car deteriorate with age. Refer to page 12-4 for more information about abnormal operating conditions.

Service reminder message

A service reminder message is built into the trip computer.

The reminder message first appears 1,000 km before the service is actually due, giving you time to arrange for the service to be carried out. The message shows on the Trip computer for 10 seconds whenever the car's ignition is switched ON or OFF, until the trip computer is reset. When the service is overdue the message flashes for 10 seconds when the ignition is turned ON or OFF.

- **SERV 1500 km** shows when the car has travelled 500 km since it was built.
- **SERV 10,000 km** shows when the car has travelled 9,000 km since it was built.
- **SERV 20000 km** shows when the car has travelled 19,000 km since it was built.
- **SERV 30000 km** shows when the car has travelled 29,000 km since it was built etc.

The trip computer will be reset for you by your Holden Dealer when you take the car in to be serviced. If, for some reason, you wish to reset the reminder message yourself, follow the sequence below:

1. Turn the ignition OFF.
2. Hold down the trip computer ▲ and ▼ buttons together.
3. Turn the ignition ON while still holding down both buttons.
4. After approx. 3 seconds, release both buttons.
5. Press and release the MODE button; the service due screen appears on the display.
6. Press and hold both ▲ and ▼ buttons for approx. 3 seconds until a beep is heard.
7. Release both buttons.
8. Turn ignition OFF.

This message is calculated only by distance. Remember that if you are driving infrequently special servicing may be required, refer page 12-4.

The free first service

The 1,500 km service is performed "free of charge" by the Selling Dealer. This service may be carried out by another Holden Dealer provided you have a letter of Introduction from the Selling Dealer. Your Dealer will supply the necessary "Letter of Introduction" on request.

SERVICING

Service Coupons

Service coupons are provided at the end of this chapter. When each service is performed the coupon is removed so that the following service coupon is readily visible to remind you when the next service is due.

After the service is completed, the owner should check that the service has been validated, by the Dealer stamping and signing the coupon stub. This is important as it not only assists in the determination of Warranty Claims, but enhances the value of the vehicle when selling.

Service coupons are provided up to 200,000 km. After that time the "Maintenance Plan" on pages 12-7 to 12-10 should be followed, starting from the 20,000 km service.

Your Holden Dealer

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your car. Your Dealer invites you to return for all your service needs both during and after the Warranty Period.

The safety, economy, emission control, performance and reliability of your car cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians at Holden Dealers.

Warranty and service

All maintenance services listed in this Handbook and replacement of service items are the responsibility of the owner and as such are NOT considered, under the provisions of the New Vehicle Warranty, to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch, parking brake, etc. or any other items which may require servicing due to fair wear and tear are carried out at the owner's cost.

Damage caused by failure to have proper maintenance services carried out by an authorised Holden Dealer or authorised Service Outlet, or in accordance with Holden's specifications, may void your New Vehicle Warranty. It is strongly recommended that you read the "New Vehicle Warranty" in Chapter 9 so that you are aware of your Warranty exclusions.

ABNORMAL OPERATING CONDITIONS

If your car is driven under any of the abnormal conditions listed below it is recommended that some items be serviced more frequently than shown in the Maintenance Plan.

The extra services are only required while your car is driven under the abnormal operating condition. If you operate under any of these conditions on a one off basis, e.g., holiday trip, then an extra service should be for that time only. As a guide, if you operate continually for a period of one month or 1,000 km under the abnormal condition, then this could require additional services.

If you consider that further servicing is required, due to the type of driving or before a long trip, please discuss the situation with the service manager of your Holden Dealer.

The abnormal conditions

A = When driving less than 10,000 km in 6 months.

B = Dust, dirt, loose road material.

C = Muddy and wet areas.

D = Cold weather (below 5°C) and when most trips are less than 5 km.

E = Stop-start driving, excessive idling or low speed operation as experienced in inner city driving, e.g., taxi, door to door delivery.

F = Caravan or trailer towing.

G = Extended heavy load high speed operation in outside temperatures above 35°C.

H = When driving more than 250,000 km per 5 years.

Extra services required

Change engine oil and filter @ 6 months	A				
Change auto trans fluid and strainer @ 4 years	A				
Change automatic transmission fluid and strainer @ 20,000 km				E	F G
Inspect front suspension and steering for leaks, wear or damage @ 5,000 km	B	C			
Replace engine oil and filter @ 5,000 km or 3 months (whichever comes first)	B				
Change engine oil @ 5,000 km or 3 months (whichever comes first)	B		D	F	G
Replace air cleaner element @ 20,000 km	B				
Inspect and clean park brake linings @ 20,000 km	B	C			
Change differential oil @ 20,000 km				F	G
Change brake fluid @ 1 year if 1,600 kg (or higher) tow bar fitted *				F	
Change power steering fluid @ 50,000 km				F	G
V8 engine only: change engine coolant					H
Carbon canister: Inspect @ 20,000 km and change @ 80,000 km	B	C			

* Brake fluid deteriorates with time and should normally be replaced every two years. However, heavy duty towing requires fresher fluid due to the higher demand on the brake system. Therefore, brake fluid should be replaced each year if a 1,600 kg (or higher) tow bar is fitted, so that the brake system can cope with the next year's towing requirements.

ABNORMAL OPERATING CONDITIONS cont.

The following record coupons are for servicing under abnormal conditions, refer previous page for definition.

Date km Servicing Dealer

Items performed:

.....

Date km Servicing Dealer

Items performed:

.....

Date km Servicing Dealer

Items performed:

.....

Date km Servicing Dealer

Items performed:

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Date km Servicing Dealer

Items performed:

.....

Date km Servicing Dealer

Items performed:

.....

Date km Servicing Dealer

Items performed:

.....

Date km Servicing Dealer

Items performed:

.....

ABNORMAL OPERATING CONDITIONS cont.

The following record coupons are for servicing under abnormal conditions, refer page 12-4 for definition.

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

Date km Servicing Dealer

Items performed:

MAINTENANCE SCHEDULE

x 1,000 km	1.5	10	20	30	40	50	60	70	80	90	100	110
Under bonnet												
*Change engine oil and engine oil filter.	-	X	X	X	X	X	X	X	X	X	X	X
Check fluid levels: brake, clutch, power steer, auto trans, washer. Check coolant % with tester and check level (pressure test if low level).	X	-	X	X	X	X	X	X	X	X	X	X
Check battery electrolyte and fluid level, if applicable.	X	X	X	X	X	X	X	X	X	X	X	X
Engine accessory drive belts. Check length indicator and belt condition.	-	-	-	-	-	X	-	X	-	X	-	X
Check for signs of deterioration and/or leaks from engine, fluid reservoirs, air ducts, all hoses and clamps.	X	-	X	X	X	X	X	X	X	X	X	X
(V6 engines) Drain and refill cooling system with recommended inhibitor. Clean outside of the radiator and A/C condenser.	Change required every 2.5 years (regardless of kms)											
*(V8 engines) Drain and refill cooling system with recommended inhibitor. Clean outside of the radiator and A/C condenser.	Change every 5 years											
*Replace engine air cleaner element.	-	-	-	-	X	-	-	-	X	-	-	-
(Supercharger) Check supercharger oil level.	-	-	-	-	-	X	-	-	-	-	X	-
(V6 engines) Replace spark plugs.	-	-	-	-	X	-	-	-	X	-	-	-
(V8 engines) Replace spark plugs.	-	-	-	-	-	-	-	-	X	-	-	-

*Items marked with the asterisk require additional servicing under some driving conditions. Please refer page 12-4.

MAINTENANCE SCHEDULE cont.

x 1,000 km	1.5	10	20	30	40	50	60	70	80	90	100	110
Under car												
Replace fuel filter and retainer.	-	-	-	-	X	-	-	-	X	-	-	-
Check rear axle oil level.	-	-	-	-	X	-	-	-	X	-	-	-
Check rear axle and auto trans for leaks.	X	X	X	X	X	X	X	X	X	X	X	X
*Change auto trans fluid and strainer.	-	-	-	-	-	-	-	-	-	-	-	X
Manual trans. Check oil level.	Oil level check not required,											
Manual trans. Check for leaks.	X	-	X	X	X	X	X	X	X	X	X	X
*Change differential oil.	Change not required under normal driving conditions.											
Inspect front and rear disc pads for wear and discs for surface condition. Rotate wheels.	-	-	X	X	X	X	X	X	X	X	X	X
*Park brake, check linings and drums for wear	-	-	-	-	X	-	-	-	X	-	-	-
Inspect tyres for irregular wear or damage. Check for damaged wheels. Check air pressures.	X	X	X	X	X	X	X	X	X	X	X	X
*Drain, refill and bleed brake system. Check brake performance when road testing.	Change every 2 years (regardless of km) under normal driving conditions.											
Drain, refill and bleed clutch system.	Change every 2 years (regardless of km)											
Check all brake and fuel lines and hoses for condition, attachment and routing.	X	-	X	X	X	X	X	X	X	X	X	X
*Inspect front and rear suspension & steering system for damaged, loose or missing parts, signs of wear or lack of lubrication. Inspect power steering lines and hoses for condition, attachment and routing, leaks, etc. Check condition of all rubber boots and covers.	X	-	X	X	X	X	X	X	X	X	X	X
Inspect exhaust & adjacent underbody. Look for damaged, missing or out-of-position parts, open seams, holes or loose connections.	X	-	X	X	X	X	X	X	X	X	X	X

*Items marked with the asterisk require additional servicing under some driving conditions. Please refer page 12-4.

MAINTENANCE SCHEDULE cont.

x 1,000 km	1.5	10	20	30	40	50	60	70	80	90	100	110
Under car cont.												
Inspect constant velocity joint for damaged or torn boot.	-	-	X	X	X	X	X	X	X	X	X	X
Clean and lubricate auto trans shift linkage.	-	-	-	X	-	-	-	X	-	-	-	X
*Check carbon canister for leaks or restrictions.	X	-	-	-	-	X	-	-	-	X	-	-
Inspect air cond. drain tubes for blockage.	-	-	-	-	X	-	-	-	X	-	-	-
Inspect sunroof drain holes for blockage.	-	X	X	X	X	X	X	X	X	X	X	X
Car interior												
Check park brake operations.	-	X	X	X	X	X	X	X	X	X	X	X
Seat belt inspection. Check webbing condition, buckle operation and retractor mechanism operation.	-	-	X	-	X	-	X	-	X	-	X	-
Reset "Service due" light.	X	X	X	X	X	X	X	X	X	X	X	X
Car exterior												
Check operation of all exterior lights.	X	X	X	X	X	X	X	X	X	X	X	X
Lubricate bonnet catch, hinges and lock cylinders.	-	-	X	-	X	-	X	-	X	-	X	-
Check transmitter range of security system.	-	X	X	X	X	X	X	X	X	X	X	X
Road test												
Check braking, steering, engine response and transmission operation. Check operation of cruise control. Check park pawl operation. Check A/C performance. Check neutral start switch.	X	X	X	X	X	X	X	X	X	X	X	X

*Items marked with the asterisk require additional servicing under some driving conditions. Please refer page 12-4.

SERVICE CHARGES

1,500 km

free

10,000 km

Labour: 0.5 hours

Parts: engine oil filter

Lubricants: engine oil

20,000 km

Labour: 0.8 hours

Parts: engine oil filter

Lubricants: engine oil

30,000 km

Labour: 0.6 hours

Parts: engine oil filter

Lubricants: engine oil

40,000 km

Labour: 1.4 hours for V6 engine;

1.1 hours for V8 engine

Parts: engine oil filter; (V6) spark plugs; air cleaner element; fuel filter

Lubricants: engine oil

50,000 km

Labour: 0.7 hours

Parts: engine oil filter

Lubricants: engine oil

60,000 km

Labour: 0.8 hours

Parts: engine oil filter

Lubricants: engine oil

70,000 km

Labour: 0.7 hours

Parts: engine oil filter

Lubricants: engine oil

80,000 km

Labour: 1.4 hours for V6 engine;

1.5 hours for V8 engine

Parts: engine oil filter; spark plugs; air cleaner element; fuel filter

Lubricants: engine oil

90,000 km

Labour: 0.7 hours

Parts: engine oil filter

Lubricants: engine oil

100,000 km

Labour: 0.8 hours

Parts: engine oil filter

Lubricants: engine oil

110,000 km

Labour: 0.7 hours

add 0.3 for auto

Parts: engine oil filter; auto strainer and gasket

Lubricants: engine oil; auto trans fluid

120,000 km

Labour: 1.5 hours for V6 engine;

1.2 hours for V8 engine

Parts: engine oil filter; (V6) spark plugs; air cleaner element; fuel filter

Lubricants: engine oil

130,000 km

Labour: 0.7 hours

Parts: engine oil filter

Lubricants: engine oil

140,000 km

Labour: 0.8 hours

Parts: engine oil filter

Lubricants: engine oil

SERVICE CHARGES cont.**150,000 km****Labour:** 0.7 hours**Parts:** engine oil filter**Lubricants:** engine oil**160,000 km****Labour:** 1.5 hours for V6 engine;

1.6 hours for V8 engine

Parts: engine oil filter; spark plugs;
air cleaner element; fuel filter**Lubricants:** engine oil**170,000 km****Labour:** 0.7 hours**Parts:** engine oil filter**Lubricants:** engine oil**180,000 km****Labour:** 0.8 hours**Parts:** engine oil filter**Lubricants:** engine oil**190,000 km****Labour:** 0.7 hours**Parts:** engine oil filter**Lubricants:** engine oil**200,000 km****Labour:** 1.5 hours for V6 engine;

1.2 hours for V8 engine

Parts: engine oil filter; (V6) spark
plugs; air cleaner element; fuel filter**Lubricants:** engine oil

In addition to the times, parts and lubricants listed above, the following operations will be charged for, when required, on a calendar time basis:

Brake fluid must be changed every 2 years (add charge for brake fluid and 0.4 hours labour)

Clutch fluid must be changed every 2 years (add charge for clutch fluid and 0.2 hours labour)

Engine coolant with V6 engine: must be changed every 2½ years (add charge 0.4 hours labour, engine coolant and pellets).

Engine coolant with V8 engine: must be changed every 5 years (add charge 0.4 hours labour and engine coolant).

- The owner is charged for all lubricants and materials used plus labour at the times recommended on the previous pages.
- LPG maintenance labour times and parts, as shown in the LPG supplement, are additional to the charges shown in the maintenance schedule in this Owner's Handbook.
- The repair or replacement of any part found faulty during a service check and not covered by Holden Warranty is added to the charges.
Where any deficiencies are noted, such items should be reported to the owner/operator so that the extra work required can be authorised.
- The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended; their use not only increases operating costs, but may indeed be harmful to your car.

