VAUXHALL/OPEL

Carlton/Omega/Senator 2.6i

Running Ignition Electrical

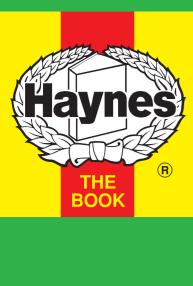
gear settings

Torque

Capacities

Notes & Illustrations

1990 to 1994



Fuel

Engine &

Cooling

Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP**

Click on one of the buttons above to view data for this car. To

Engine and cooling system	Carlto	n/Omega/Senator 2.6i	1990 to 1994	
Type		C26NE CIH. 110kW. US83		
Capacity (cm ³) / number of cylinders		2594 / 6		
Compression ratio / pressure	bar	9.2 / _		
Oil pressure	bar	_		
Oil temperature	°C	_		
Valve clearance - inlet	mm	0: Hyd.		
Valve clearance - exhaust	mm	0: Hyd.		
Firing order		1-5-3-6-2-4		
No 1 cylinder position		TCE		
Thermostat opening temperature	°C	92		
Radiator cap pressure	bar	1.2 to 1.3		
Fuel system	Carlto	n/Omega/Senator 2.6i	1990 to 1994	
Idle speed - manual [auto]	rpm	670 to 830		
Fast idle speed - manual [auto]	rpm	_		
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5		
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200		
CO2 @ idle speed [3000 rpm] - see page VI	%	_		
O2 @ idle speed [3000 rpm] - see page VI	%	_		
Carburettor / fuel injection		Bosch		
Type / ref		Motronic M1.5		
Main jet / needle		_		
Injection pressure	bar	2.5		
Pump pressure	bar	2.5±0.2		
Octane rating	RON	95[U]		
Ignition system	Carlto	n/Omega/Senator 2.6i	1990 to 1994	
Туре		DME Motronic		
Ignition coil		Bosch 1 227 020 009		
Primary resistance	ohms	0.70 to 0.75		
Ballast resistor	ohms	5.75 (5 5.75		
Voltage - Tmnl 15(+) to earth	V	_		
Distributor		Bosch		
Points gap (air gap)	mm			
Dwell angle	° (%)			
2.10.1 0.1.9.0	(, 5)	_		

Electrical system Battery Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking

Electrode gap

Condenser capacity

Ignition timing - basic [static

Centrifugal check.

Vacuum range check

V = Vacuum NV = No Vacuum

Maximum vacuum advance

Rotation

Spark plugs

Brakes -

Tyres

Saloon

Camber

King pin inclination

Castor

Capacities

Final drive

Fuel tank

Engine oil & filter

Cooling system

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

Estate / Van

Type

Total ignition advance

- locked Running gear

Front (min. friction material thickness) Rear (min. friction material thickness) Size

Pressure - front / rear - Saloon - Estate / Van Front suspension / wheel alignment Toe-in (+) / Toe-out (-)

Rear suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber Torque wrench settings Cylinder head - stage 1

Cylinder head - stage 3 - stage 4 Big-end bearings Main bearings Clutch cover

- stage 2

Flywheel [driveplate] Front hubs Rear hubs Wheel nuts / bolts Spark plugs

Notes and Illustrations ¹Senator: 2.2 / 2.2 ²4D manual steering: +2° to 4°. PAS: +4°30′ to 6°30′. 5D manual steering: +1°30′ to 3°30′. PAS: +4° to 6° 35D: 0 to +6.0 4-2°5′ to -45′

⁵MT + A/c: 11.1. AT + A/c: 10.9

V / CC / RC 12 / 44, 55 or 66Ah 13.8 to 14.8 / _ / 2000 A/V A/V

Size

bar bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres

litres

litres

μF

mbar

mm

° Crankshaft

NV

Computer control

Computer control

Bosch/Champion

0.70 to 0.80

Carlton/Omega/Senator 2.6i

WR7BC / RL82YCC

° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm

> 50 / 11.5 (no load) 310 to 400 / 7.5 Carlton/Omega/Senator 2.6i mm mm

7.0 with backing 7.0 with backing

[0 to +20'] L

-2°15' to -45'

Carlton/Omega/Senator 2.6i

60

+ 90°

+ 30°

45

22

60 320

90 40

5.5

1.9

2.6

1.1

ΕX

6

IN

10

WSM

Carlton/Omega/Senator 2.6i

10.7 [AT: 10.5]⁵

4D: 75. 5D: 70

110

195/65x15: 205/65x15 195/65x15: 205/65x15 $2.5 / 2.5^{1}$ 2.3 / 2.5

8 to 12 BTDC @ 670 to 830 N/A

1990 to 1994

1990 to 1994

1990 to 1994

1990 to 1994

+4°45′ to 6°45′2 -0.5 to +5.5³ 4D: -2°20' to -1°. 5D4

Warm up

ΕX

5

3

IN

0

7

2594 cm³