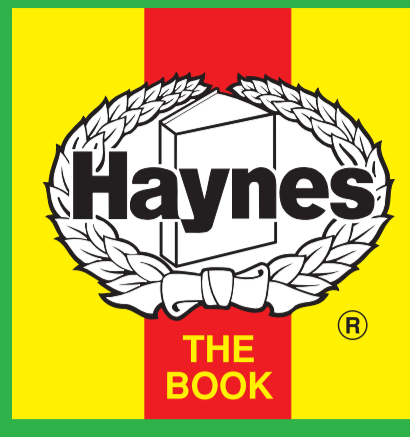


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system Cavalier / Vectra-A 2.0i 16V 1995

Type		X20XE DOHC 16V 100KW 94/12/EC
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	10.8 /
Oil pressure	bar	1.5
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	92 to 107
Radiator cap pressure	bar	1.2 to 1.5

Fuel system Cavalier / Vectra-A 2.0i 16V 1995

Idle speed - manual [auto]	rpm	670 to 1030
Fast idle speed - manual [auto]	rpm	-
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection		_GM
Type / ref		Simtec 56.1
Main jet / needle		-
Injection pressure	bar	-
Pump pressure	bar	-
Octane rating	RON	95[U]

Ignition system Cavalier / Vectra-A 2.0i 16V 1995

Type		Electronic
Ignition coil		-
Primary resistance	ohms	-
Ballast resistor	ohms	-
Voltage - Tmnl 15(+) to earth	V	-
Distributor		-
Points gap (air gap)	mm	-
Dwell angle	° (%)	-
Condenser capacity	µF	-
Rotation		-
Ignition timing - basic [static	° Crankshaft @ rpm	N/A
V = Vacuum NV = No Vacuum		-
Total ignition advance	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Vacuum range check	mbar	-
Maximum vacuum advance	° Crankshaft	-
Spark plugs		Bosch
Type		FR8LDC
Electrode gap	mm	0.7 to 0.8

Electrical system Cavalier / Vectra-A 2.0i 16V 1995

Battery	V / CC / RC	-
Alternator voltage / full load current / engine rpm		-
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Cavalier / Vectra-A 2.0i 16V 1995

Brakes -		
Front (min. friction material thickness)	mm	-
Rear (min. friction material thickness)	mm	-

Tyres		
Saloon	Size	195/60x14: 195/60x15
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.5: 2.4 / 2.3: 2.2
- Estate / Van	bar	-

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[-15'±10']
Camber		-40'±45'
Castor		2°±1°
King pin inclination		-

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[-25'+30'-20']
Camber		-2°10'±40'

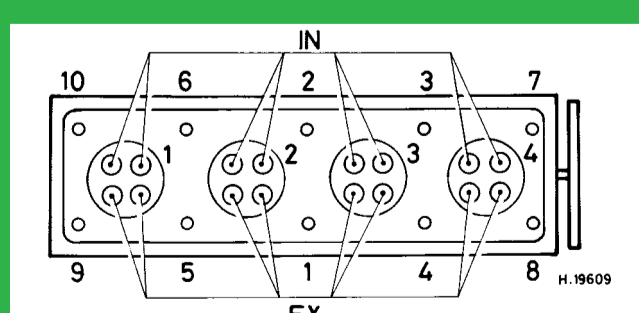
Torque wrench settings Cavalier / Vectra-A 2.0i 16V 1995

Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	-
Main bearings	Nm	-
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 N
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities Cavalier / Vectra-A 2.0i 16V 1995

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	7.0
Final drive	litres	WT
Cooling system	litres	7.2
Fuel tank	litres	61

Notes and Illustrations



1998 cm³, 16V