

VAUXHALL/OPEL

Corsa-B 1.6i

1995 to 1997

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

Corsa-B 1.6i

1995 to 1997

Type		X16XE 16V 78kW 94/12/EC
Capacity (cm³) / number of cylinders		1598 / 4
Compression ratio / pressure	bar	10.5 / _
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
Radiator cap pressure	bar	1.2 to 1.5

Fuel system

Corsa-B 1.6i

1995 to 1997

Idle speed - manual [auto]	rpm	820 to 890
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5 WSM
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		_GM
Type / ref		Multec-XS
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

Corsa-B 1.6i

1995 to 1997

Type		Multec-DIS
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	Computer control N/A
V = Vacuum NV = No Vacuum		
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Bosch
Type		FR8LDC
Electrode gap	mm	0.7 to 0.8

Electrical system

Corsa-B 1.6i

1995 to 1997

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

Running gear

Corsa-B 1.6i

1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.3¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-10'±10'
Camber		-55'±45'
Castor		1°55'±10'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	10'+30-15'
Camber		-1°30'±30'

Torque wrench settings

Corsa-B 1.6i

1995 to 1997

Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90° +45°
Big-end bearings	Nm	25 +30°
Main bearings	Nm	50 +45° +15°
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	35 +30° +15°
Front hubs	Nm	_
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities

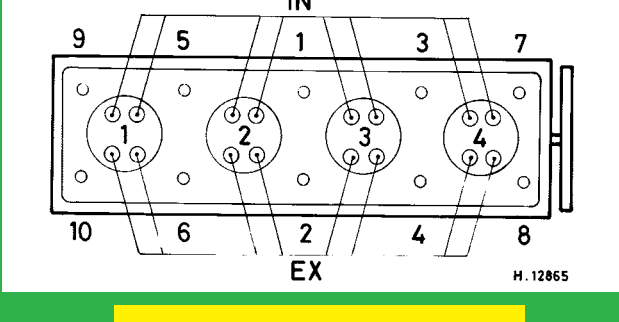
Corsa-B 1.6i

1995 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.6. A/c: 5.8
Fuel tank	litres	46

Notes and Illustrations

¹Comfort pressure : 2.2 / 2.0



1598 cm³, DOHC 16V