

Capacity (cm ³) / 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	88 to 106
Radiator cap pressure	bar	1.2 to 1.4

Idle speed - manual [auto]	rpm	820 to 930 N/A
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-S MPI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	3.0
Octane rating	RON	95[11]

Ignition system		Corsa D 1.6 16V	1998 to 1999
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	° (%)	Electronic control	
Condenser capacity	µF	—	
Rotation		Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 840 to 1000 N/A	
V = Vacuum NV = No Vacuum		NV	
Total ignition advance	° Crankshaft @ rpm	—	
	° 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	0.70 to 0.80	

Battery	V / CC / RC	12 / 210 / 44Ah or / 255 / 55
Alternator voltage / full load current / engine rpm		14.7±0.5 / 70, 100 / 3500
Starter motor current / voltage - cranking	A / V	70 / 11.5 (no load)
locked	A / V	150 to 650 / 5-6

Running gear		Corsa-B 1.6 GSI	1993 to 1995
Brakes -			
Front (min. friction material thickness)	mm	7.0 with backing	
Rear (min. friction material thickness)	mm	0.5 above rivets	

Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.0
- Estate / Van	bar	—

Toe-in (+) / Toe-out (-)	mm [°]	+0.5±1.0 L
Camber		-55'±45' L
Castor		+1°55'±1° L
King pin inclination		-

Toe-in (+) / Toe-out (-)	mm [°]	+1.0+3.0-1.5
Camber		-1°30'+30' L

Torque wrench settings		Corsa-B 1.6 GSI	1993 to 1995
Cylinder head - stage 1	Nm	25 N	

Cylinder head - stage 3	Nm	+ 90°
stage 4	Nm	+90°

Main bearings	Nm	50 +45° +15° N
Clutch	N	15

	Nm	WSM
Front hubs		

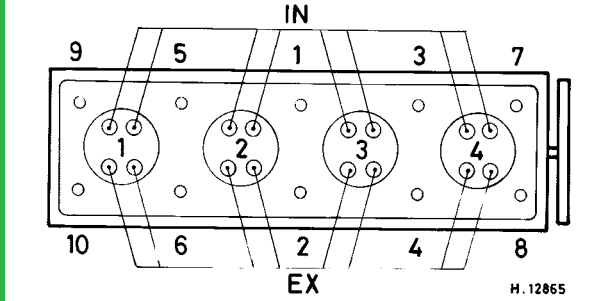
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Expenditure		Costs in the 2010-2011 season	2009 to 2010
Engine oil & filter	litres	3.5	

Automatic transmission - refill	litres	–
Final drive	litres	WT

Fuel tank	litres	46
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¹40mm bolt: 25 +30° N



1598 cm³, DOHC 16V