

VAUXHALL/OPEL

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

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

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

Type		C16SE SOHC. 74kW. US83
Capacity (cm³) / number of cylinders		1598 / 4
Compression ratio / pressure	bar	9.8 / _
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 1.4

Fuel system

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

Idle speed - manual [auto]	rpm	850 to 1010 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-M MPI
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

Type		DIS
Ignition coil		10 457 075
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	10 BTDC @ idle N/A
V = Vacuum NV = No Vacuum		_
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		WR7DC
Electrode gap	mm	0.70 to 0.80

Electrical system

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		13.7 to 14.75 / 55 or 70/ 3500
Starter motor current / voltage - cranking	A / V	30 to 45 / 7.8
- locked	A / V	400 to 500 / 7.0 to 8.2

Running gear

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	0.5 above rivets

Tyres		
Saloon	Size	165/65x14: 175/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 1.6¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[-15' to +5']
Camber		-45' to +45' L
Castor		+45' to 2°45' L
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber		-40' to -1°35'

Torque wrench settings

Nova / Corsa-A 1.6 GSi CAT

1992 to 1993

Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+ 60°
Cylinder head - stage 3	Nm	+ 60°
- stage 4	Nm	+ 60°
Big-end bearings	Nm	28³
Main bearings	Nm	50 +45° +15° N
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	35 +30° +15° N
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities

Nova / Corsa-A 1.6 GSi CAT

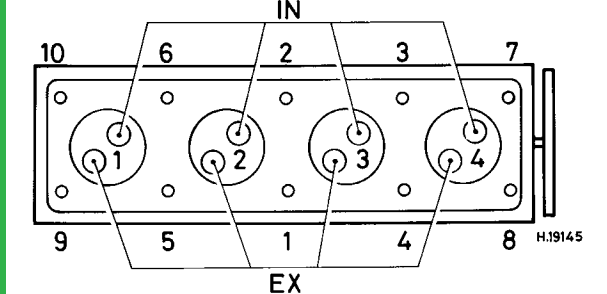
1992 to 1993

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	6.1
Fuel tank	litres	42

Notes and Illustrations

¹165/65x14: 1.7 / 1.7

³40mm bolt: 25 +30° N



1598 cm³, 8V