VAUXHALL/OPEL

Nova / Corsa-A 1.4i CAT

1992 to 1993

Haynes THE BOOK

Automotive Technical DATA BOOK

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Engine and cooling system

		Nova / Corsa-A 1.4i CAT 1992 to 1993
Type		C14SE SOHC. 60kW. US83
Capacity (cm³) / number of cylinders		1389 / 4
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	1.5
Oil temperature	ºC	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	ºC	92 to 107
Radiator cap pressure	bar	1.2 to 1.4

Fuel system

		Nova / Corsa-A 1.4i 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 1.4i CAT 1992 to 1993
Type		Multec[1]
Ignition coil		Delco 3 474 233
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	10 BTDC @ idle N/A
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		Bosch
Type		WR7DC
Electrode gap	mm	0.70 to 0.80

Electrical system

		Nova / Corsa-A 1.4i CAT 1992 to 1993
Battery	V / CC / RC	12 / 36, 44Ah
Alternator voltage / full load current / engine rpm		13.7 to 14.75 / 55 / 3500
Starter motor current / voltage - cranking	A / V	50 / 11.5 (no load)
- locked	A / V	380 to 460 / 8.0

Running gear

		Nova / Corsa-A 1.4i 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	155x13: 175/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.6 / 1.4
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[-15' to +5']
Camber		-30' to +1° L
Castor		+45' to 2°45' L
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[-5' to +40']
Camber		-40' to -1°35'

Torque wrench settings

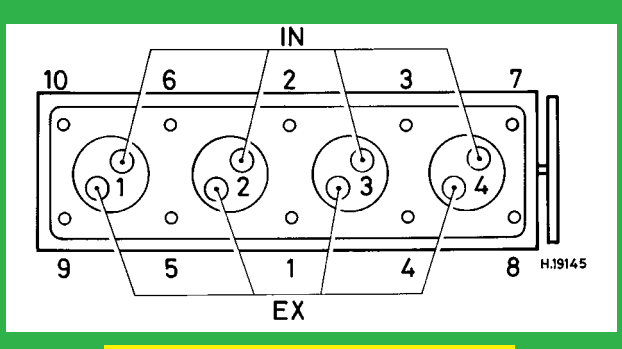
		Nova / Corsa-A 1.4i CAT 1992 to 1993
Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+ 60°
Cylinder head - stage 3	Nm	+ 60°
- stage 4	Nm	+ 60°
Big-end bearings	Nm	28[3]
Main bearings	Nm	50 +45° +15° N
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	35 +30° +15° N
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities

		Nova / Corsa-A 1.4i CAT 1992 to 1993
Engine oil & filter	litres	3.0
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.7
Fuel tank	litres	42

Notes and Illustrations

[1]93MY: DIS
[3]40mm bolt: 25 +30° N



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1389 cm³, 8V