

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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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 (cm ³) / number of cylinders	1389 / 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 1.4i 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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ 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	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ idle 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	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 [°]	[-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 [°]	[-5' to +40']
Camber	-40' to -1°35'	

Torque wrench settings Nova / Corsa-A 1.4i CAT 1992 to 1993

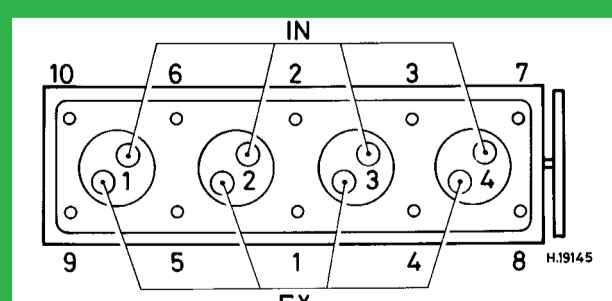
Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+ 60°
Cylinder head - stage 3	Nm	+ 60°
- stage 4	Nm	+ 60°
Big-end bearings	Nm	28 ³
Main bearings	Nm	50 +45° +15° N
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	35 +30° +15° N
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

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

¹93MY: DIS
³40mm bolt: 25 +30° N



H19145
 1389 cm³, 8V