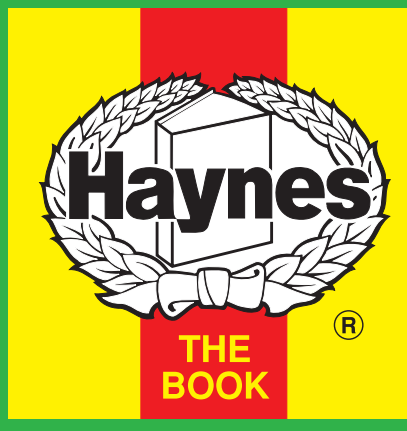


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 1.2 1987 to 1990

type	E12GV OHV. 33kW. 15.05	
Capacity (cm ³) / number of cylinders	1196 / 4	
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	1.5
Oil temperature	°C	60
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order	1-3-4-2	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	91 to 107
Radiator cap pressure	bar	1.2 to 1.4

Fuel system

Nova / Corsa-A 1.2	1987 to 1990
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Idle speed - manual [auto]	rpm	900 to 950
Fast idle speed - manual [auto]	rpm	3800 to 4200
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		Weber
Type / ref		32 TL 90 107 545 or 592
Main jet / needle		102
Injection pressure	bar	—
Pump pressure	bar	0.18 to 0.25
Octane rating	RON	91[IE 91 RON]

Ignition system

Nova / Corsa-A 1.2 1987 to 1990

Type		HEI
Ignition coil		Bosch
Primary resistance	ohms	0.82±0.08
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	Electronic control
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	8 to 12 @ 1000
	° Crankshaft @ rpm	14 to 20 @ 1800
	° Crankshaft @ rpm	20 to 24 @ 3700
Vacuum range check	mbar	100 to 260
Maximum vacuum advance	° Crankshaft	12.5 to 16.5
Spark plugs		AC/Champion
Type		CR42CFS / RL82YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Nova / Corsa-A 1.2 1987 to 1990

Battery	V / CC / RC	12 / 210 / 65 or / 175 / 60
Alternator voltage / full load current / engine rpm		13.7 to 14.5 / 55 / 3500
Starter motor current / voltage - cranking	A / V	250 / 9.7

Running gear

Newspaper / Genre A 1 3 1987 to 1990

Rutina

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

Tyres

Saloon	Size	145x13: 155/70x13: 165/70x13 ¹
Estate / Van	Size	145x13: 155/70x13: 165/70x13 ¹
Pressure - front / rear - Saloon	bar	1.7 / 1.7

- Estate / Value

Front suspension / wheel alignment

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

40 to 139
Nava / Garcia A 1.3 1987 to 1990

Torque wrench settings		Nova / Corsa-A 1.2	1987 to 1990
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	
Main bearings	Nm	62	
Clutch cover	Nm	15	
Flywheel [driveplate]	Nm	30 + 60° to 80° N	
Front hubs	Nm	WSM	
Rear hubs	Nm	WSM	
Wheel nuts / bolts	Nm	110	
Spark plugs	Nm	20	

Capacities

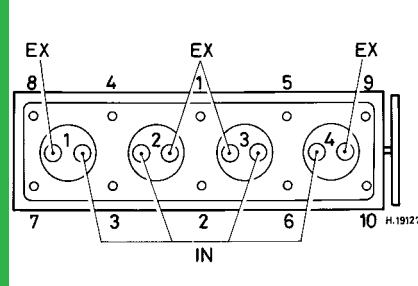
Nova / Corsa-A 1.2	1987 to 1990
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Capacities		Nova / Corsa-A 1.2	1987 to 1990
Engine oil & filter	litres	2.75	
Gearbox - 4-speed [5-speed]	litres	1.7 [1.8]	
Automatic transmission - refill	litres	–	
Final drive	litres	WT	
Cooling system	litres	5.5	
Fuel tank	litres	42	

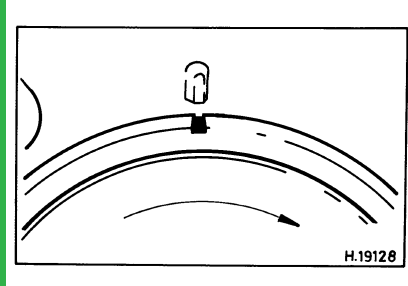
Notes and Illustrations

¹**165/65x14**

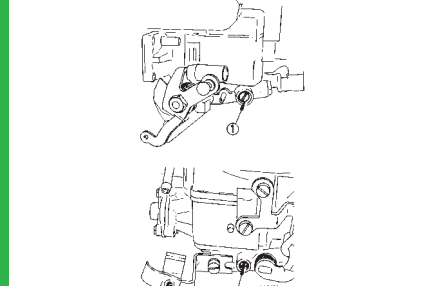
1: Idle speed 2: CO / Mixture



1196 cm³, OHV



1196 cm³, OHV



Weber 32 TL