

Capacity (cm ³) / number of cylinders		1389 / 4
Compression ratio / pressure	bar	9.4 / _
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

Idle speed - manual [auto]	rpm	900 to 950
Fast idle speed - manual [auto]	rpm	2400±200
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		Pierburg
Type / ref		2E3 (90 107 560)
Main jet / needle		95, 110
Injection pressure	bar	—
Pump pressure	bar	0.25 to 0.36
Octane rating	RON	95[E 95 RON]

Ignition system		Nova / Corsa-A 1.4	1989 to 1993
Type		TI-i	
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	° (%)	—	
Condenser capacity	µF	—	
Rotation		Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ idle	
V = Vacuum NV = No Vacuum		NV	
Total ignition advance	° Crankshaft @ rpm	—	
	° Crankshaft @ rpm	—	
	° Crankshaft @ rpm	—	
Centrifugal check.	° Crankshaft @ rpm	0 to 1 @ 1000	
	° Crankshaft @ rpm	6 to 10 @ 2000	
	° Crankshaft @ rpm	13 to 20 @ 4200	
Vacuum range check	mbar	140 to 390	
Maximum vacuum advance	° Crankshaft	11 to 15	
Spark plugs		AC/Champion	
Type		CR42CXLS / RN7YC	
Electrode gap	mm	0.70 to 0.80	

Battery	V / CC / RC	12 / 210 / 65 or / 175 / 60
Alternator voltage / full load current / engine rpm		13.7 to 14.75 / 55 or 65/ 3500
Starter motor current / voltage - cranking	A / V	50 / 11.5 (no load)

Running gear		Nova / Corsa-A 1.4	1989 to 1993
Brakes -			
Front (min. friction material thickness)	mm	7.0 with backing	
Rear (min. friction material thickness)	mm	0.5 above rivets	

Saloon	Size	165/70x13: 165/65x14
Estate / Van	Size	165/70x13
Pressure - front / rear - Saloon	bar	1.7 / 1.7
- Estate / Van	bar	1.7 / 1.7

Toe-in (+) / Toe-out (-)	mm [°]	[-15° to +15°]
Camber		-30' to +1° L
Castor		+45' to 2°45' L
King pin inclination		-

Toe-in (+) / Toe-out (-)	mm [-]	[-5 to +40]
Camber		-40' to -1°35'

Cylinder head - stage 1	Nm	25 N
- stage 2	Nm	+ 60°
Cylinder head - stage 3	Nm	+ 60°

Big-end bearings	Nm	28
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

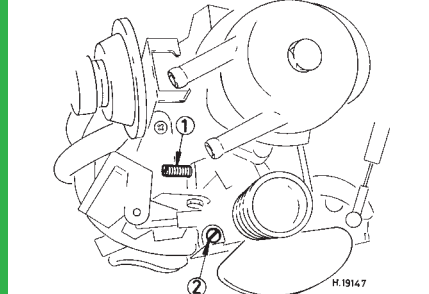
Capacities		Nova / Corsa-A 1.4	1989 to 1993
Engine oil & filter	litres	3.0	
Gearbox - 4-speed [5-speed]	litres	1.8	
Automatic transmission - refill	litres	–	
Final drive	litres	WT	
Cooling system	litres	5.7	
Fuel tank	litres	42	

Notes and illustrations

240mm bolt: 25 +30° N

²40mm bolt: 25 +30° N

1: Idle speed 2: CO / Mixture



1389 cm³, 8V

1389 cm³

Pierburg 2E3