

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

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HELP

### Engine and cooling system Primera 1.6i (P10) 1994 to 1996

Type	GA16DE DOHC 16V	
Capacity (cm <sup>3</sup> ) / number of cylinders	1597 / 4	
Compression ratio / pressure	bar	9.8 / ≥11.28
Oil pressure	bar	0.49 to 1.86 [3.43 to 4.41]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.21 to 0.49 H
Valve clearance - exhaust	mm	0.30 to 0.58 H
Firing order	1-3-4-2	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	-

### Fuel system Primera 1.6i (P10) 1994 to 1996

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	-
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	-	
Type / ref	-	
Main jet / needle	-	
Injection pressure	bar	2.5
Pump pressure	bar	-
Octane rating	RON	95[U]

### Ignition system Primera 1.6i (P10) 1994 to 1996

Type	-	
Ignition coil	-	
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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	10±2 BTDC @ 625
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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	NGK/Champion	
Type	BKR5E / RC9YCC	
Electrode gap	mm	0.80 to 0.90

### Electrical system Primera 1.6i (P10) 1994 to 1996

Battery	V / CC / RC	-
Alternator voltage / full load current / engine rpm	-	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

### Running gear Primera 1.6i (P10) 1994 to 1996

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

<b>Tyres</b>		
Saloon	Size	165x13: 175/70x14
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.2 / 2.0
- Estate / Van	bar	-

### Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to 2.0
Camber	-45' to +45' N/A	
Castor	1° to 2°30' N/A	
King pin inclination	13°45' to 15°15'	

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-2.0 to 2.0 N/A
Camber	-1°45' to -15' N/A	

### Torque wrench settings Primera 1.6i (P10) 1994 to 1996

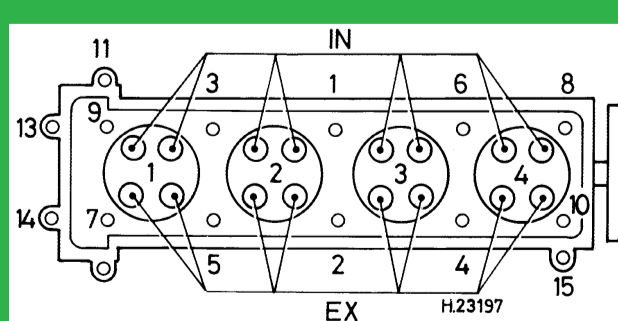
Cylinder head - stage 1	Nm	29.4
- stage 2	Nm	58.8
Cylinder head - stage 3	Nm	Loosen, 29.4
- stage 4	Nm	+50 to 55 <sup>°1</sup>
Big-end bearings	Nm	15 +35 to 40°
Main bearings	Nm	46 to 52
Clutch cover	Nm	22 to 29
Flywheel [driveplate]	Nm	83 to 93
Front hubs	Nm	235 to 314
Rear hubs	Nm	186 to 255
Wheel nuts / bolts	Nm	98 to 118
Spark plugs	Nm	20 to 29

### Capacities Primera 1.6i (P10) 1994 to 1996

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.9
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	60

### Notes and Illustrations

<sup>1</sup>Bolts 11 to 15: 6.3 to 8.3



1597 cm<sup>3</sup>, 16V