

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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.

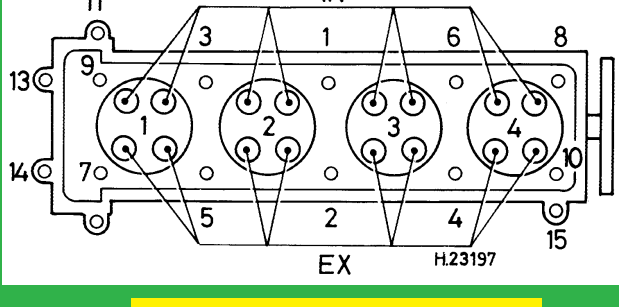
MENU

HELP

Engine and cooling system		Primera 1.6i (P10)	1994 to 1996
Type		GA16DE DOHC 16V	
Capacity (cm³) / 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	
CO2 @ idle speed [3000 rpm] - see page VI	%	–	
O2 @ 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	° Crankshaft @ rpm	10±2 BTDC @ 625	
V = Vacuum NV = No Vacuum		–	
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
Brakes -			
Front (min. friction material thickness)	mm	2.0	
Rear (min. friction material thickness)	mm	2.0	
Tyres			
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 ^{o1}	
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

¹ Bolts 11 to 15: 6.3 to 8.3



1597 cm³, 16V