

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 Estate 1.6 (W10) 1994 to 1997

Type	GA16DE DOHC 16V 75kW	
Capacity (cm ³) / number of cylinders	1597 / 4	
Compression ratio / pressure	bar	9.8 / ≥11.8
Oil pressure	bar	[3.4 to 4.4]
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	76.5
Radiator cap pressure	bar	0.78 to 0.98

Fuel system Primera Estate 1.6 (W10) 1994 to 1997

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 ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	_Nissan	
Type / ref	ECCS MPI	
Main jet / needle	—	
Injection pressure	bar	2.5
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system Primera Estate 1.6 (W10) 1994 to 1997

Type	Computerized	
Ignition coil	—	
Primary resistance	ohms	2.0
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	12.0
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	
Type	BKR5E	
Electrode gap	mm	0.80 to 0.90

Electrical system Primera Estate 1.6 (W10) 1994 to 1997

Battery	V / CC / RC	12 / 50 or 65Ah
Alternator voltage / full load current / engine rpm	13.6 to 14.6 / 70 / 3000	
Starter motor current / voltage - cranking	A / V	50 to 90 / 11.0
- locked	A / V	—

Running gear Primera Estate 1.6 (W10) 1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	—
Estate / Van	Size	195/65x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	2.0 / 2.0

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 3.0
Camber	-5' to +1°25' N/A	
Castor	+1°15' to 2°45' N/A	
King pin inclination	+13°15' to 14°45'	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +3.0 N/A
Camber	-2°15' to -45' N/A	

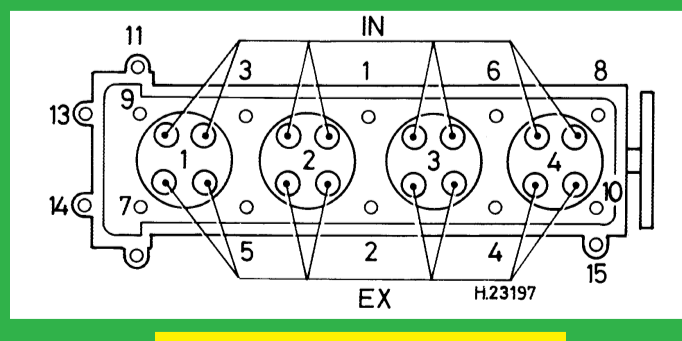
Torque wrench settings Primera Estate 1.6 (W10) 1994 to 1997

Cylinder head - stage 1	Nm	29, 59, then slacken
- stage 2	Nm	29
Cylinder head - stage 3	Nm	+ 50 to 55°
- stage 4	Nm	Bolts 11 to 15: 6 to 8
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 Estate 1.6 (W10) 1994 to 1997

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



1597 cm³, 16V