

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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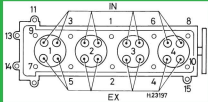
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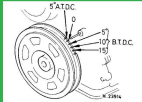
MENU

HELP

Engine and cooling system		Serena 1.6i (C23)	1993 to 1997
Type		GA16DE DOHC 16V 71kW	
Capacity (cm³) / number of cylinders		1597 / 4	
Compression ratio / pressure	bar	9.5 / ≥11.3	
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		F	
Thermostat opening temperature	°C	76.5	
Radiator cap pressure	bar	0.78 to 0.98	
Fuel system		Serena 1.6i (C23)	1993 to 1997
Idle speed - manual [auto]	rpm	750±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		Nissan ECCS MPFI	
Type / ref			
Main jet / needle		—	
Injection pressure	bar	2.55	
Pump pressure	bar	2.5	
Octane rating	RON	95[U]	
Ignition system		Serena 1.6i (C23)	1993 to 1997
Type		Electronic	
Ignition coil		Hanshin SMC-400	
Primary resistance	ohms	0.9	
Ballast resistor	ohms	—	
Voltage - Tmnl 15(+) to earth	V	12.0	
Distributor		Hitachi	
Points gap (air gap)	mm	[0.30 to 0.45]	
Dwell angle	° (%)	—	
Condenser capacity	µF	—	
Rotation		Anticlockwise	
Ignition timing - basic [static]	° Crankshaft @ rpm	10±2 BTDC @ 750	
V = Vacuum   NV = No Vacuum		NV	
Total ignition advance	° Crankshaft @ rpm	—	
	° 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		Serena 1.6i (C23)	1993 to 1997
Battery	V / CC / RC	12 / 60Ah	
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 63 / 3000	
Starter motor current / voltage - cranking	A / V	75 to 78 / 11.5	
- locked	A / V	—	
Running gear		Serena 1.6i (C23)	1993 to 1997
<b>Brakes -</b>			
Front (min. friction material thickness)	mm	2.0	
Rear (min. friction material thickness)	mm	1.5	
<b>Tyres</b>			
Saloon	Size	175x14; 195/70x14	
Estate / Van	Size	—	
Pressure - front / rear - Saloon	bar	2.5 / 2.5	
- Estate / Van	bar	—	
<b>Front suspension / wheel alignment</b>			
Toe-in (+) / Toe-out (-)	mm [°]	+3.5 to 5.5. 95 ▶: 3.1 to 5.1	
Camber		-30' to 1°. 95 ▶: -15' to 1°15'	
Castor		+2°5' to 3°35'±1°	
King pin inclination		+12°45' to 14°15'	
<b>Rear suspension / wheel alignment</b>			
Toe-in (+) / Toe-out (-)	mm [°]	—	
Camber		—	
Torque wrench settings		Serena 1.6i (C23)	1993 to 1997
Cylinder head - stage 1	Nm	29	
- stage 2	Nm	59, loosen completely	
Cylinder head - stage 3	Nm	29	
- stage 4	Nm	+ 50 to 55 <sup>95</sup>	
Big-end bearings	Nm	14 to 16 + 35 to 40°	
Main bearings	Nm	46 to 52	
Clutch cover	Nm	22 to 29	
Flywheel [driveplate]	Nm	83 to 93	
Front hubs	Nm	206 to 284	
Rear hubs	Nm	WSM	
Wheel nuts / bolts	Nm	98 to 118	
Spark plugs	Nm	20 to 29	
Capacities		Serena 1.6i (C23)	1993 to 1997
Engine oil & filter	litres	3.5	
Gearbox - 4-speed [5-speed]	litres	2.1	
Automatic transmission - refill	litres	—	
Final drive	litres	1.5	
Cooling system	litres	8.3	
Fuel tank	litres	60	
Notes and Illustrations			
95 ▶: 2°35' to 3°35' Tighten bolts 11 to 15 to 6.3 to 8.3			



1597 cm³



1597 cm³