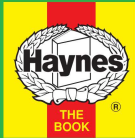


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive  
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Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

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HELP

Engine and cooling system

300 C (Y30) 1984 to 1991

Type		VG30E SOHC
Capacity (cm³) / number of cylinders		2960 / 6
Compression ratio / pressure	bar	9.0 / ≥8.8
Oil pressure	bar	[2.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-3-4-5-6
No 1 cylinder position		FR
Thermostat opening temperature	°C	76.5
Radiator cap pressure	bar	0.59 to 0.98

Fuel system

300 C (Y30) 1984 to 1991

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤1.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Nissan ECCS (EFI)
Type / ref.		
Main jet / needle		
Injection pressure	bar	2.1
Pump pressure	bar	2.6
Octane rating	RON	97[R]

Ignition system

300 C (Y30) 1984 to 1991

Type		Computerized Hitachi, Hanshin
Ignition coil		
Primary resistance	ohms	—
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Hitachi
Points gap (air gap)	mm	[0.30 to 0.50]
Dwell angle	° (%)	Computer control
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static]	° Crankshaft @ rpm	20±1 BTDC @ idle
V = Vacuum    NV = No Vacuum		
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/Champion
Type		BCPR6ES-11 / RCTYC
Electrode gap	mm	1.00 to 1.10

Electrical system

300 C (Y30) 1984 to 1991

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		14.1 to 15.0 / 60, 70 / 2500
Starter motor current / voltage - cranking	A / V	100 / 11 (no load)
- locked	A / V	—

Running gear

300 C (Y30) 1984 to 1991

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.5. Discs: 2.0
Tyres		
Saloon	Size	195/70x14
Estate / Van	Size	195/70x14
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	1.9 / 1.9
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +2.0
Camber		-25° to +1°15' N/A
Caster		+2°55' to 4°25' N/A¹
King pin inclination		+10° to 11°30' N/A
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	—
Camber		—

Torque wrench settings

300 C (Y30) 1984 to 1991

Cylinder head - stage 1	Nm	29
- stage 2	Nm	59, then loosen bolts
Cylinder head - stage 3	Nm	29
- stage 4	Nm	+ 60 to 65°
Big-end bearings	Nm	45 to 54
Main bearings	Nm	90 to 100
Clutch cover	Nm	22 to 29
Flywheel [driveplate]	Nm	98 to 108
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	78 to 98
Spark plugs	Nm	20 to 29

Capacities

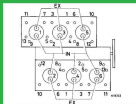
300 C (Y30) 1984 to 1991

Engine oil & filter	litres	4.1
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	7.0
Final drive	litres	1.3
Cooling system	litres	8.4 [AT: 9.5]
Fuel tank	litres	72. Estate: 60

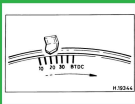
Notes and Illustrations

Estate: +2°45' to 4°15' N/A

1: Idle speed    2: CO / Mixture



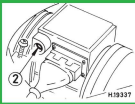
2960 cm³, 12V



300C



ECCS



ECCS