

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 system300 C (Y30)1984 to 1991

Type		VG30E SOHC
Capacity (cm ³) / 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 system300 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
Type / ref		ECCS (EFI)
Main jet / needle		—
Injection pressure	bar	2.1
Pump pressure	bar	2.6
Octane rating	RON	97[R]

Ignition system300 C (Y30)1984 to 1991

Type		Computerized
Ignition coil		Hitachi, Hanshin
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 / RC7YC
Electrode gap	mm	1.00 to 1.10

Electrical system300 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 gear300 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°5' N/A
Castor		+2°55' to 4°25' N/A ¹
King pin inclination		+10° to 11°30' N/A

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings300 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

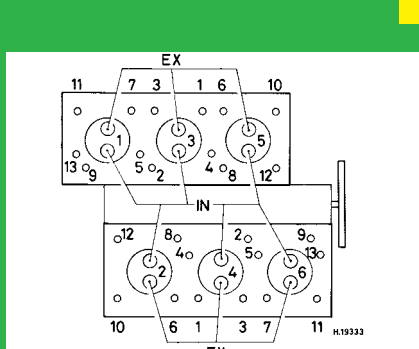
Capacities300 C (Y30)1984 to 1991

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

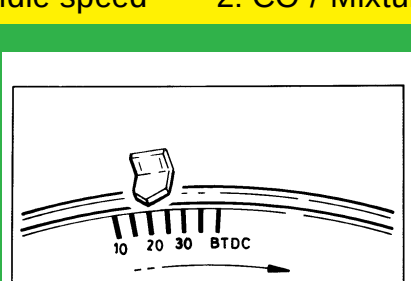
Notes and Illustrations

¹Estate: +2°45' to 4°15' N/A

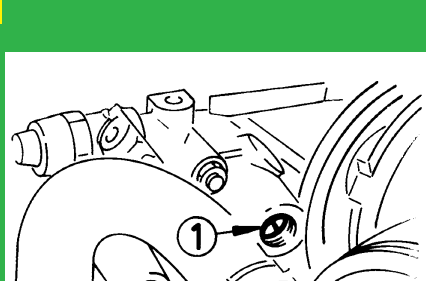
1: Idle speed 2: CO / Mixture



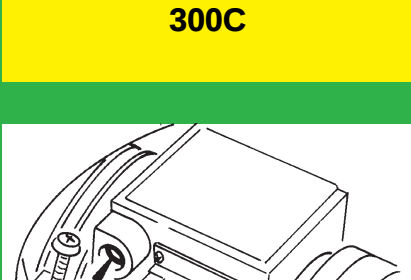
2960 cm³, 12V



300C



ECCS



ECCS