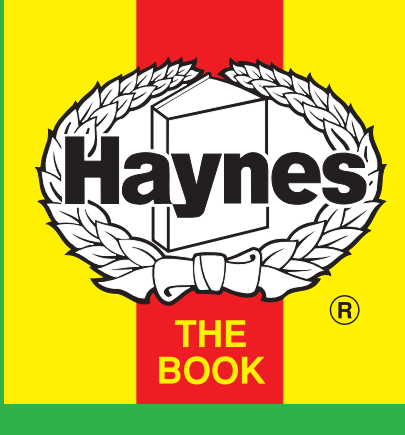


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive
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DATA
BOOK

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MENU	HELP
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Engine and cooling systemMicra 1.3i CAT (K11)1993 to 1997

Type		CG13DE DOHC 16V 55kW
Capacity (cm³) / number of cylinders		1275 / 4
Compression ratio / pressure	bar	9.5 / ≥11.3
Oil pressure	bar	[2.9]
Oil temperature	°C	–
Valve clearance - inlet	mm	0.33 to 0.41 H
Valve clearance - exhaust	mm	0.36 to 0.44 H
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.88

Fuel systemMicra 1.3i CAT (K11)1993 to 1997

Idle speed - manual [auto]	rpm	650±50 [750±50]
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	≤0.1 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
Type / ref		ECCS MPI
Main jet / needle		–
Injection pressure	bar	2.5
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition systemMicra 1.3i CAT (K11)1993 to 1997

Type		Electronic
Ignition coil		–
Primary resistance	ohms	0.8
Ballast resistor	ohms	–
Voltage - Tmnl 15(+) to earth	V	–
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	15±2 BTDC @ 650 [AT: 750]
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-11 / RC9YCC4
Electrode gap	mm	1.00 to 1.10

Electrical systemMicra 1.3i CAT (K11)1993 to 1997

Battery	V / CC / RC	12 / 36Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 65 / 2500
Starter motor current / voltage - cranking	A / V	–
- locked	A / V	–

Running gearMicra 1.3i CAT (K11)1993 to 1997

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

Tyres		
Saloon	Size	155/70x13: 175/60x13
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	2.2 / 1.9
- Estate / Van	bar	–

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-0.5 to +1.5
Camber		-22’ to 1°8’ N/A
Castor		1°34’ to 3°4’ N/A
King pin inclination		11°47’ to 13°17’

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-0.5 to +1.5 N/A
Camber		-22’ to +1°8’ N/A

Torque wrench settingsMicra 1.3i CAT (K11)1993 to 1997

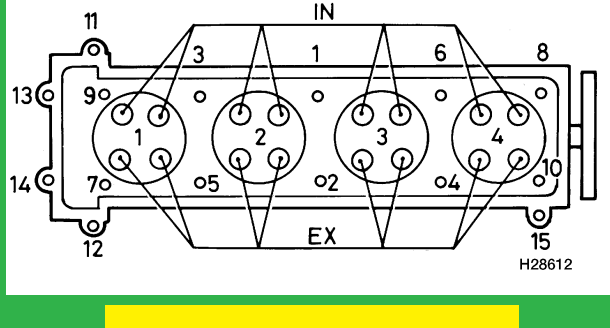
Cylinder head - stage 1	Nm	39
- stage 2	Nm	78
Cylinder head - stage 3	Nm	slacken, 35
- stage 4	Nm	+60 to 65 ^{o1}
Big-end bearings	Nm	14 to 16 +45 to 50°
Main bearings	Nm	25 to 30 +60 to 65°
Clutch cover	Nm	22 to 29
Flywheel [driveplate]	Nm	83 to 93
Front hubs	Nm	148 to 205
Rear hubs	Nm	186 to 255
Wheel nuts / bolts	Nm	98 to 118
Spark plugs	Nm	20 to 29

CapacitiesMicra 1.3i CAT (K11)1993 to 1997

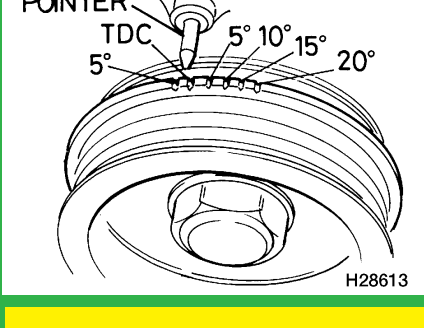
Engine oil & filter	litres	3.0
Gearbox - 4-speed [5-speed]	litres	2.8 to 3.0
Automatic transmission - refill	litres	3.2
Final drive	litres	WT
Cooling system	litres	4.0
Fuel tank	litres	50

Notes and Illustrations

¹Bolts 11 to 15: 6.3 to 8.3



1275 cm³, DOHC 16V



1275 cm³, DOHC 16V