

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling system

Hi-Jet

1995 to 1997

Type		CB42
Capacity (cm ³) / number of cylinders		993 / 3
Compression ratio / pressure	bar	9.3 / 12.3
Oil pressure	bar	3.6
Oil temperature	°C	80
Valve clearance - inlet	mm	0.2 ± 0.05 H
Valve clearance - exhaust	mm	0.2 ± 0.05 H
Firing order		1-2-3
No 1 cylinder position		TBE
Thermostat opening temperature	°C	88 ± 2
Radiator cap pressure	bar	0.9

Fuel system

Hi-Jet

1995 to 1997

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	2200 ± 200
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		_Nippon Denso
Type / ref		MPI
Main jet / needle		—
Injection pressure	bar	0.40 to 0.41
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system

Hi-Jet

1995 to 1997

Type		Electronic
Ignition coil		Diamond
Primary resistance	ohms	—
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Nippon Denso
Points gap (air gap)	mm	[0.2 to 0.4]
Dwell angle	° (%)	10° to 18°
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6±2 BTDC @ 900±50 N/A
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		BPR5EY/RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

Hi-Jet

1995 to 1997

Battery	V / CC / RC	12 / 34Ah
Alternator voltage / full load current / engine rpm		14.2 to 14.8V / 40A
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Hi-Jet

1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	—
Estate / Van	Size	155x12
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	Refer to vehicle

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0 +1.5 -1.0
Camber		+1° +40' -50'
Castor		3°2' ± 1.0°
King pin inclination		11°25'±1°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings

Hi-Jet

1995 to 1997

Cylinder head - stage 1	Nm	54 to 64
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	23.5 to 30.4
Main bearings	Nm	53 to 64.7
Clutch cover	Nm	7 to 10
Flywheel [driveplate]	Nm	39.2 to 49
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	54
Spark plugs	Nm	14.7 to 21.6

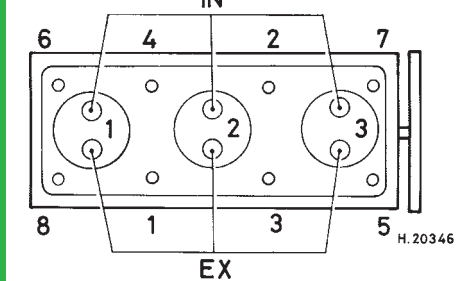
Capacities

Hi-Jet

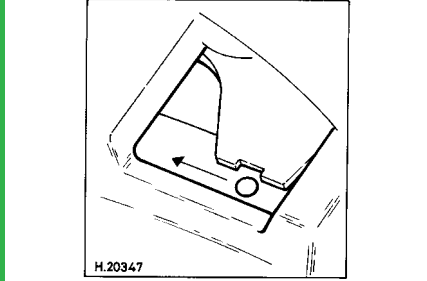
1995 to 1997

Engine oil & filter	litres	3.1
Gearbox - 4-speed [5-speed]	litres	[0.7]
Automatic transmission - refill	litres	—
Final drive	litres	1.2
Cooling system	litres	4.6 van/4.4 P-up
Fuel tank	litres	36

Notes and Illustrations



993 cm³



993 cm³