

Engine & Cooling

Fuel

Ignition

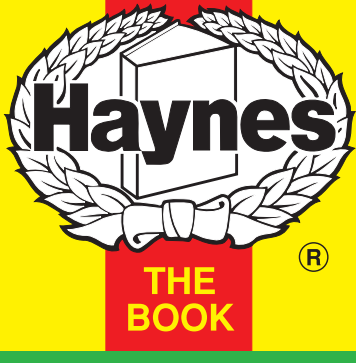
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

Hi-Jet Van/Pick-up

1993 to 1995

Type		CB41
Capacity (cm³) / number of cylinders		993 / 3
Compression ratio / pressure	bar	9.0/12.25
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 Van/Pick-up

1993 to 1995

Idle speed - manual [auto]	rpm	950 ± 50
Fast idle speed - manual [auto]	rpm	2200 ± 200
CO @ idle speed [3000 rpm] - see page VI	%	1.5 ± 0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	1000
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Aisan
Type / ref		Side draft 1V
Main jet / needle		1.28
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	90[E]

Ignition system

Hi-Jet Van/Pick-up

1993 to 1995

Type		Electronic
Ignition coil		Diamond
Primary resistance	ohms	1.5 ± 0.15
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	12
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	5° ± 2° BTDC @ Idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Nippon Denso/Champion
Type		BPR5EY/W16EXR-V/RN9YC
Electrode gap	mm	0.8

Electrical system

Hi-Jet Van/Pick-up

1993 to 1995

Battery	V / CC / RC	12V 40 or 48AH
Alternator voltage / full load current / engine rpm		14.2 to 14.8V @ 3000rpm
Starter motor current / voltage - cranking	A / V	≤50/11.0
- locked	A / V	—

Running gear

Hi-Jet Van/Pick-up

1993 to 1995

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

Tyres		
Saloon	Size	—
Estate / Van	Size	155 R 12 8 PR
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	2.0/2.4

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

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

Torque wrench settings

Hi-Jet Van/Pick-up

1993 to 1995

Cylinder head - stage 1	Nm	53.9
- 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	14.8 to 21.6
Flywheel [driveplate]	Nm	39.2 to 49
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	88.3 to 117.7
Spark plugs	Nm	14.7 to 21.6

Capacities

Hi-Jet Van/Pick-up

1993 to 1995

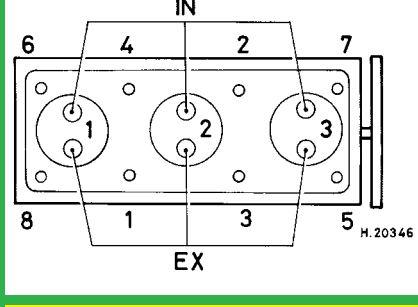
Engine oil & filter	litres	2.9
Gearbox - 4-speed [5-speed]	litres	[0.7]
Automatic transmission - refill	litres	—
Final drive	litres	1.2
Cooling system	litres	4.6 van/4.4 P-up
Fuel tank	litres	35

Notes and Illustrations

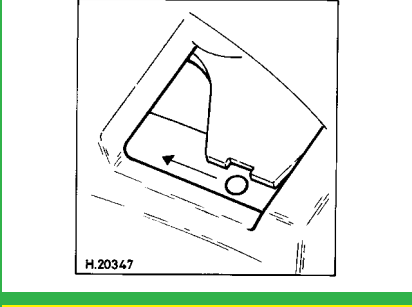


1: Idle speed

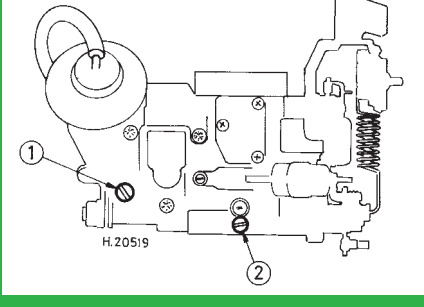
2: CO / Mixture



993 cm³



993 cm³



1V, 993 cm³