

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

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#### Engine and cooling system

	Hi-Jet Van/Pick-up	1993 to 1995
Type	CB41	
Capacity (cm <sup>3</sup> ) / 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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	Aisan	
Type / jet	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	BPRSEY/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
<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	1.0
<b>Tyres</b>		
Saloon	Size	-
Estate / Van	Size	155 R 12 8 PR
Pressure - front / rear - Saloon	bar	-
- Estate / Van	bar	2.0/2.4
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+2mm +1.5 -1.0
Camber		1° +40° -50°
Castor		3°2' ± 1.0°
King pin inclination		-
<b>Rear suspension / wheel alignment</b>		
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

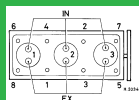
#### Capacities

	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



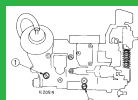
1: Idle speed 2: CO / Mixture



993 cm<sup>3</sup>



993 cm<sup>3</sup>



1V, 993 cm<sup>3</sup>