

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 system Hijet 1986 to 1990

Type	CD3
Capacity (cm ³) / number of cylinders	843 / 3
Compression ratio / pressure	bar 9.0 / 12.3
Oil pressure	bar [3.5]
Oil temperature	°C 80
Valve clearance - inlet	mm 0.20 H
Valve clearance - exhaust	mm 0.20 H
Firing order	1-2-3
No 1 cylinder position	TBE
Thermostat opening temperature	°C 88
Radiator cap pressure	bar 0.9

Fuel system Hijet 1986 to 1990

Idle speed - manual [auto]	rpm 850±50
Fast idle speed - manual [auto]	rpm 2800 to 3200
CO @ idle speed [3000 rpm] - see page VI	% 1.5 to 3.0
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	Aisan
Type / ref	1V E30AD
Main jet / needle	127
Injection pressure	bar -
Pump pressure	bar 0.19 to 0.30
Octane rating	RON 91[E 95 RON]

Ignition system Hijet 1986 to 1990

Type	Contact breaker - CIS
Ignition coil	-
Primary resistance	ohms 1.0 to 1.1
Ballast resistor	ohms -
Voltage - Tmnl 15(+) to earth	V -
Distributor	Toyco Denso
Points gap (air gap)	mm 0.40 to 0.50
Dwell angle	° (%) 58 to 66
Condenser capacity	µF 0.27
Relation	Clockwise
Ignition timing - basic [static]	° Crankshaft @ rpm 4±2 BTDC @ idle
V = Vacuum NV = No Vacuum	NV
Total ignition advance	° Crankshaft @ rpm -
	° Crankshaft @ rpm -
	° Crankshaft @ rpm -
Centrifugal check.	° Crankshaft @ rpm 0 @ 1200 to 1600
	° Crankshaft @ rpm -
	° Crankshaft @ rpm 15 to 17 @ 2800
Vacuum range check	mbar 133 to 560
Maximum vacuum advance	° Crankshaft 13 to 15
Spark plugs	NGK/Champion
Type	BPR5EY / RN12YC
Electrode gap	mm 0.70 to 0.80

Electrical system Hijet 1986 to 1990

Battery	V / CC / RC	12 / 28Ah
Alternator voltage / full load current / engine rpm		14.2 to 14.8 / - / 3000
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Hijet 1986 to 1990

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	-
Estate / Van	Size	145x12
Pressure - front / rear - Saloon	bar	-
- Estate / Van	bar	WSM
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+9.0±4.0
Camber		+1°55' ±1°30'
Castor		+3°±30'
King pin inclination		+11°2' ±1°30'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-
Camber		-

Torque wrench settings Hijet 1986 to 1990

Cylinder head - stage 1	Nm	49 to 58
- stage 2	Nm	-
Cylinder head - stage 3	Nm	-
- stage 4	Nm	-
Big-end bearings	Nm	20 to 28
Main bearings	Nm	53 to 65
Clutch cover	Nm	7 to 10
Flywheel [driveplate]	Nm	43 to 49
Front hubs	Nm	WSM
Rear hubs	Nm	-
Wheel nuts / bolts	Nm	34 to 54
Spark plugs	Nm	-

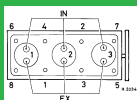
Capacities Hijet 1986 to 1990

Engine oil & filter	litres	2.9
Gearbox - 4-speed [5-speed]	litres	0.7
Automatic transmission - refill	litres	-
Final drive	litres	0.6
Cooling system	litres	4.1
Fuel tank	litres	36

Notes and Illustrations



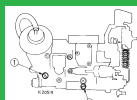
1: Idle speed 2: CO / Mixture



843 cm³



843 cm³



1V, 843 cm³