

Engine & Cooling

Fuel

Ignition

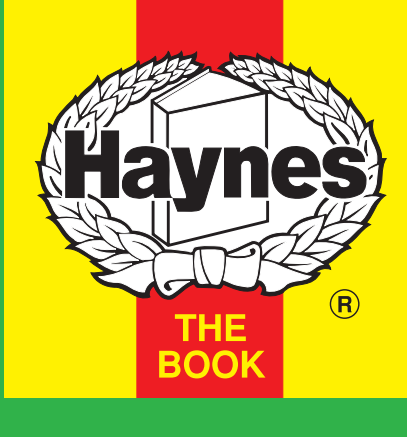
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemPride 1.1 CAT1991 to 1995

Type		B1 SOHC 40kW
Capacity (cm ³) / number of cylinders		1138 / 4
Compression ratio / pressure	bar	9.9 / 9.6 to 13.7
Oil pressure	bar	[3.5 to 4.4]
Oil temperature	°C	—
Valve clearance - inlet	mm	0.30 H
Valve clearance - exhaust	mm	0.30 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80.5 to 83.5
Radiator cap pressure	bar	0.76 to 1.04

Fuel systemPride 1.1 CAT1991 to 1995

Idle speed - manual [auto]	rpm	700 to 750
Fast idle speed - manual [auto]	rpm	1100 to 1200
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Aisan
Type / ref		26-30 2V downdraught
Main jet / needle		83, 130
Injection pressure	bar	—
Pump pressure	bar	0.28 to 0.35
Octane rating	RON	91[U]

Ignition systemPride 1.1 CAT1991 to 1995

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.0 to 1.3
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	2±1 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 to 2 @ 1500
	° Crankshaft @ rpm	11 to 15 @ 3000
	° Crankshaft @ rpm	20 to 24 @ 6000
Vacuum range check	mbar	132 to 400
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs		NGK/Champion
Type		BPR5ES-11 / RN9YC
Electrode gap	mm	1.00 to 1.10

Electrical systemPride 1.1 CAT1991 to 1995

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		14.4 to 15.0 / 45 / 2500
Starter motor current / voltage - cranking	A / V	40 / 11.5 (no load)
- locked	A / V	—

Running gearPride 1.1 CAT1991 to 1995

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	145x12
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±3.0
Camber		+40'±30'
Castor		+1°35'±45'
King pin inclination		+14°10'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±3.0
Camber		-15'±45'

Torque wrench settingsPride 1.1 CAT1991 to 1995

Cylinder head - stage 1	Nm	76 to 81
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	29 to 34
Main bearings	Nm	54 to 59
Clutch cover	Nm	18 to 28
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	157 to 235
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	88 to 118
Spark plugs	Nm	15 to 23

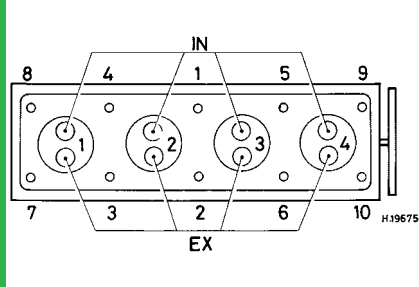
CapacitiesPride 1.1 CAT1991 to 1995

Engine oil & filter	litres	3.2
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	38

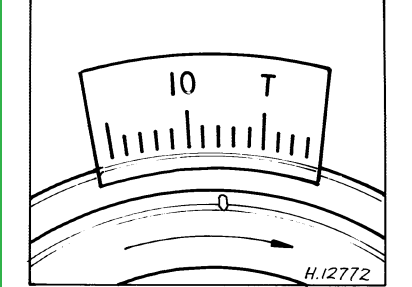
Notes and Illustrations



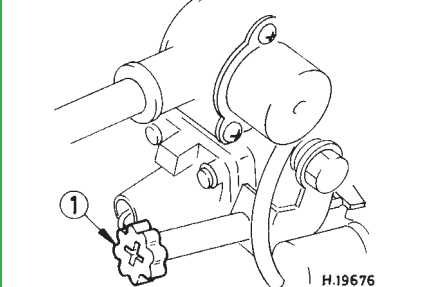
1: Idle speed 2: CO / Mixture



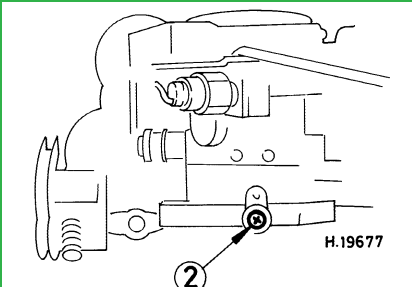
1138 cm³



1138 cm³



Aisan 26-30



Aisan 26-30