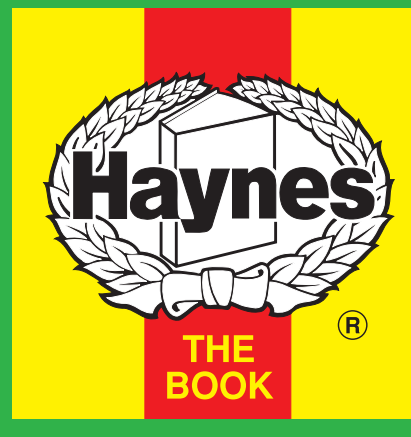


- Engine & Cooling
- Fuel
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- Electrical
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Automotive Technical DATA BOOK

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.

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HELP

Engine and cooling system Pride 1.3 CAT 1991 to 1995

Type	B3 SOHC US83 45kW	
Capacity (cm ³) / number of cylinders	1323 / 4	
Compression ratio / pressure	bar	9.7 / 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	Main: 86.5 to 89.5 ¹
Radiator cap pressure	bar	0.76 to 1.04

Fuel system Pride 1.3 CAT 1991 to 1995

Idle speed - manual [auto]	rpm	700 to 750 [850 to 900]
Fast idle speed - manual [auto]	rpm	1250±50
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 system Pride 1.3 CAT 1991 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 @ 1050
	° Crankshaft @ rpm	10 to 14 @ 3000
	° Crankshaft @ rpm	15 to 19 @ 5000
Vacuum range check	mbar	132 to 400
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs	NGK/Champion	
Type	BPR5ES-11 / RN9YC4	
Electrode gap	mm	1.00 to 1.10

Electrical system Pride 1.3 CAT 1991 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	60 / 11.5 (no load)
- locked	A / V	–

Running gear Pride 1.3 CAT 1991 to 1995

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	165/70x12
Estate / Van	Size	165/70x12
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	2.0 / 2.0
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 settings Pride 1.3 CAT 1991 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

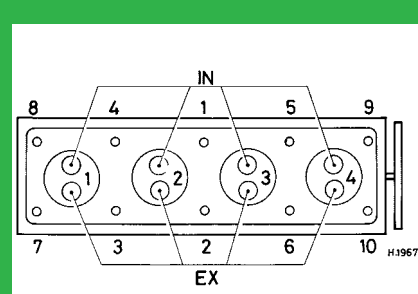
Capacities Pride 1.3 CAT 1991 to 1995

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

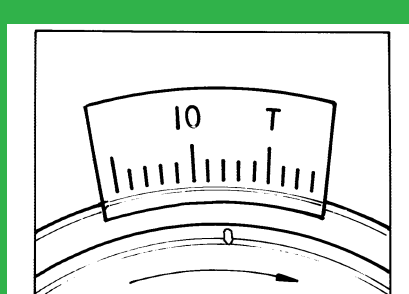
Notes and Illustrations

¹Sub: 83.5 to 86.5

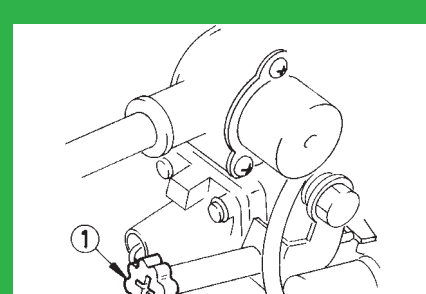
1: Idle speed 2: CO / Mixture



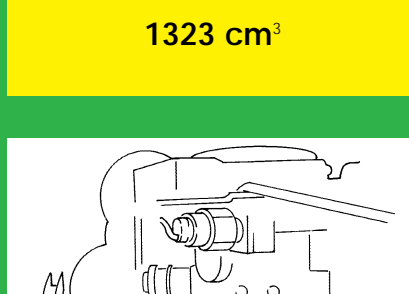
1323 cm³



1323 cm³



Aisan 26-30



Aisan 26-30