



Automotive Technical DATA BOOK

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HELP

Engine and cooling system Pride 1.1 CAT 1991 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 system Pride 1.1 CAT 1991 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 system Pride 1.1 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 @ 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 system Pride 1.1 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	40 / 11.5 (no load)
- locked	A / V	–

Running gear Pride 1.1 CAT 1991 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 settings Pride 1.1 CAT 1991 to 1995

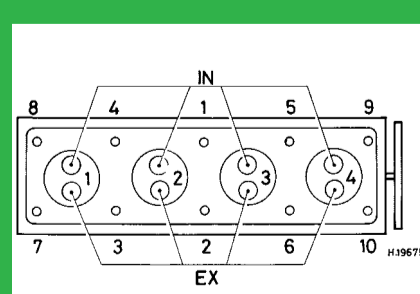
Cylinder head - stage 1	Nm	76 to 81
- stage 2	Nm	–
Cylinder head - stage 3	Nm	–
- stage 4	Nm	–
Big-end bearings	Nm	29 to 34
Main bearings	Nm	54 to 59
Clutch cover	Nm	18 to 28
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	157 to 235
Rear hubs	Nm	–
Wheel nuts / bolts	Nm	88 to 118
Spark plugs	Nm	15 to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

Capacities Pride 1.1 CAT 1991 to 1995

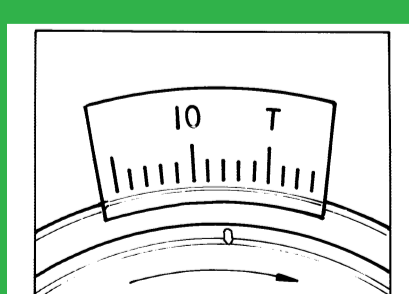
Engine oil & filter	litres	3.2
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	–
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	38

Notes and Illustrations

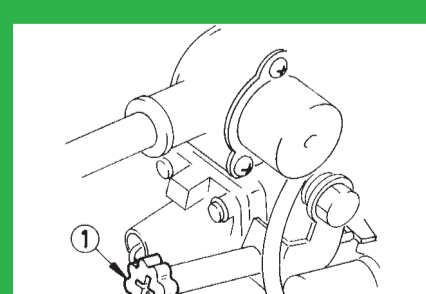
1: Idle speed 2: CO / Mixture



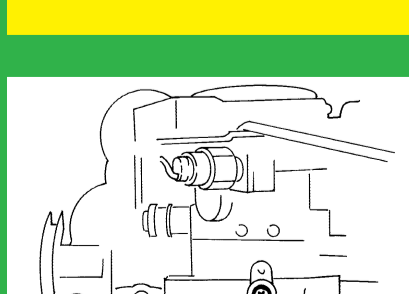
1138 cm³



1138 cm³



Aisan 26-30



Aisan 26-30