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Automotive Technical DATA BOOK

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Engine and cooling system 121, 1.3 1988 to 1991

Type	B3. SOHC
Capacity (cm ³) / number of cylinders	1323 / 4
Compression ratio / pressure	bar 9.4 / 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 121, 1.3 1988 to 1991

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	1100 to 1200
CO @ idle speed [3000 rpm] - see page VI	%	1.5 to 2.0 (UL: 0.7 to 1.5)
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	Aisan	
Type / ref		28-32 2V downdraught
Main jet / needle		91, 156
Injection pressure	bar	-
Pump pressure	bar	0.28 to 0.35
Octane rating	RON	91[E 91 RON]

Ignition system 121, 1.3 1988 to 1991

Type	Electronic	
Ignition coil	-	
Primary resistance	ohms 1.0 to 1.3. 89 ▶: 0.77 to 0.95	
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 @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	0 to 2 @ 1200
	° Crankshaft @ rpm	18 to 22 @ 3500
	° Crankshaft @ rpm	24 to 28 @ 5500
Vacuum range check	mbar	132 to 681
Maximum vacuum advance	° Crankshaft	20 to 24
Spark plugs		NGK/Champion
Type		BPR5ES / RN9YC
Electrode gap	mm	0.75 to 0.85

Electrical system 121, 1.3 1988 to 1991

Battery	V / CC / RC	12 / 33, 50 or 60Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / _ / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	-

Running gear 121, 1.3 1988 to 1991

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	-
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 121, 1.3 1988 to 1991

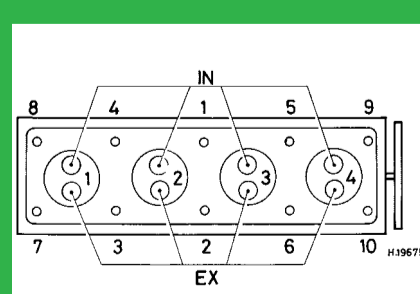
Cylinder head - stage 1	Nm	76 to 81
- stage 2	Nm	-
Cylinder head - stage 3	Nm	-
- stage 4	Nm	-
Big-end bearings	Nm	29 to 34
Main bearings	Nm	54 to 59
Clutch cover	Nm	18 to 28
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	157 to 235
Rear hubs	Nm	-
Wheel nuts / bolts	Nm	88 to 118
Spark plugs	Nm	15 to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

Capacities 121, 1.3 1988 to 1991

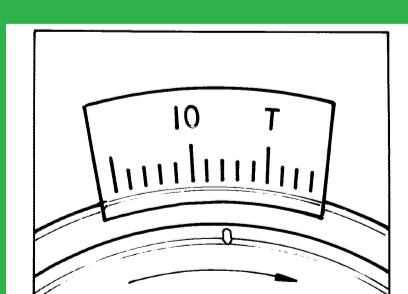
Engine oil & filter	litres	3.3. 89 ▶: 3.2
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	38

Notes and Illustrations

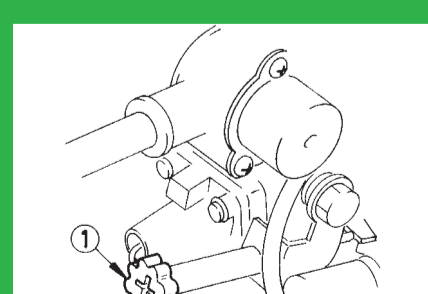
1: Idle speed 2: CO / Mixture



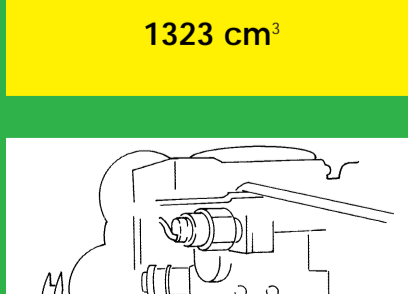
1323 cm³, 8V



1323 cm³



Aisan 28-32



Aisan 28-32