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.

MENU HELP

Engine and cooling system

121, 1.1 1988 to 1991

Type		B1. SOHC
Capacity (cm³) / number of cylinders		1138 / 4
Compression ratio / pressure	bar	9.4 / 9.6 to 13.7
Oil pressure	bar	[3.5 to 4.4]
Oil temperature	ºC	_
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	ºC	80.5 to 83.5
Radiator cap pressure	bar	0.76 to 1.04

Fuel system

121, 1.1 1988 to 1991

Idle speed - manual [auto]	rpm	800±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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Aisan
Type / ref		28-32 2V downdraught
Main jet / needle		86, 129
Injection pressure	bar	_
Pump pressure	bar	0.28 to 0.35
Octane rating	RON	91[E 91 RON]

Ignition system

121, 1.1 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	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	4±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	0 to 2 @ 1400
	º Crankshaft @ rpm	10 to 14 @ 3000
	º Crankshaft @ rpm	16 to 20 @ 5000
Vacuum range check	mbar	159 to 535
Maximum vacuum advance	º Crankshaft	16 to 20
Spark plugs		NGK/Champion
Type		BPR5ES / RN9YC
Electrode gap	mm	0.75 to 0.85

Electrical system

121, 1.1 1988 to 1991

Battery	V / CC / RC	12 / 33Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / _ / 2500
Starter motor current / voltage - cranking	A / V	40 / 11.5 (no load)
- locked	A / V	_

Running gear

121, 1.1 1988 to 1991

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 [º]	+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 [º]	+3.0±3.0
Camber		-15'±45'

Torque wrench settings

121, 1.1 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

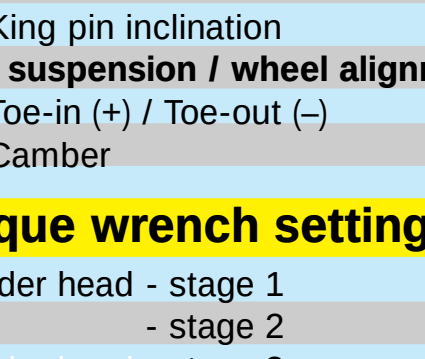
Capacities

121, 1.1 1988 to 1991

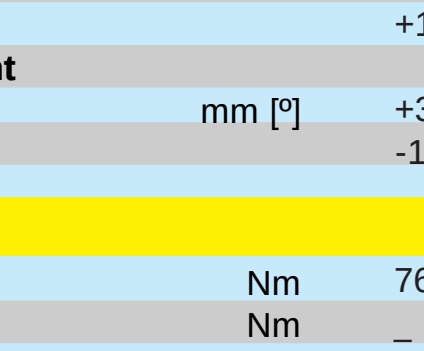
Engine oil & filter	litres	3.3. 89 ▶: 3.2
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	38

Notes and Illustrations

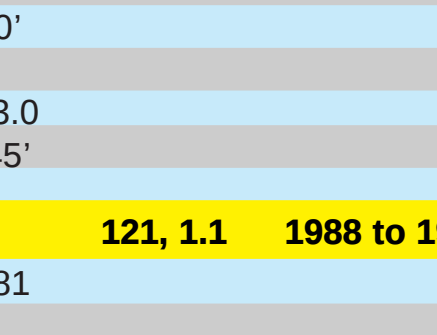
1: Idle speed 2: CO / Mixture



1138 cm³, 8V



1138 cm³



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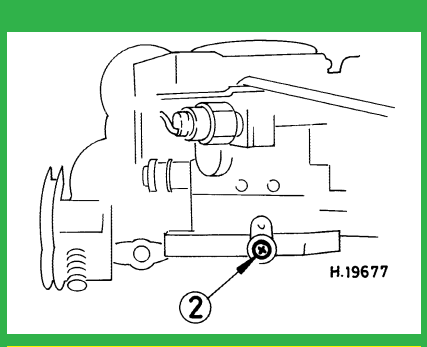

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