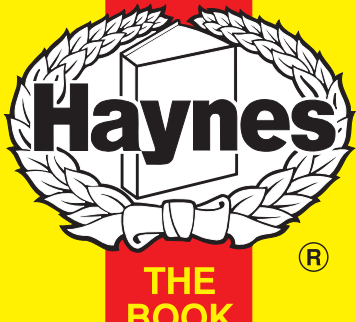


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

121, 1.31988 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, 1.31988 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
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	91, 156	
Injection pressure	bar	—
Pump pressure	bar	0.28 to 0.35
Octane rating	RON	91[E 91 RON]

Ignition system

121, 1.31988 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, 1.31988 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, 1.31988 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, 1.31988 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

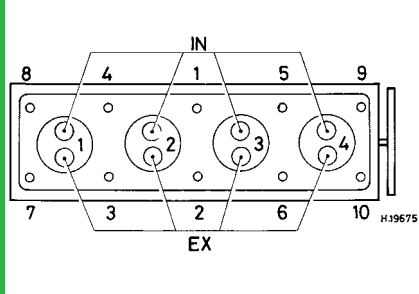
121, 1.31988 to 1991

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

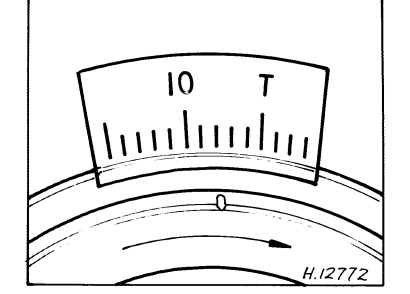
Notes and Illustrations



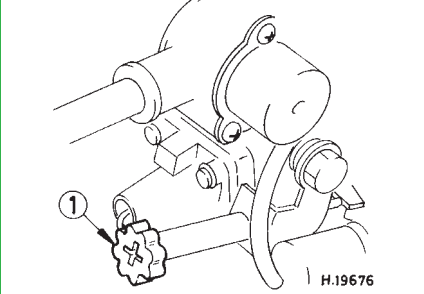
1: Idle speed2: CO / Mixture



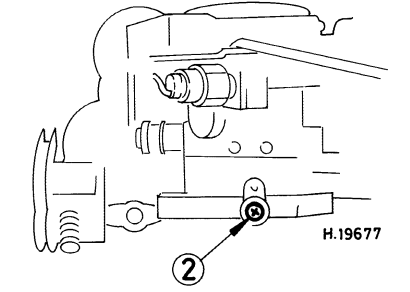
1323 cm³, 8V



1323 cm³



Aisan 28-32



Aisan 28-32