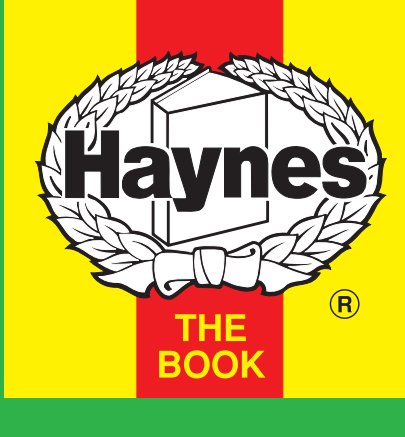


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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

L3001986 to 1994

Type		4G32-8
Capacity (cm ³) / number of cylinders		1597 / 4
Compression ratio / pressure	bar	8.5 / ≥8.4
Oil pressure	bar	–
Oil temperature	°C	–
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	82 or 88
Radiator cap pressure	bar	0.76 to 1.04

Fuel system

L3001986 to 1994

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	1000±50
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
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		5E1A 2V
Main jet / needle		100, 165
Injection pressure	bar	–
Pump pressure	bar	0.32 to 0.42
Octane rating	RON	96[R]

Ignition system

L3001986 to 1994

Type		Electronic
Ignition coil		Diamond
Primary resistance	ohms	1.1 to 1.3
Ballast resistor	ohms	–
Voltage - Tmnl 15(+) to earth	V	–
Distributor		Mitsubishi
Points gap (air gap)	mm	[0.80]
Dwell angle	° (%)	–
Condenser capacity	µF	–
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	–
	° Crankshaft @ rpm	–
	° Crankshaft @ rpm	–
Centrifugal check.	° Crankshaft @ rpm	0 @ 1200
	° Crankshaft @ rpm	–
	° Crankshaft @ rpm	9 @ 5000
Vacuum range check	mbar	120 to 370
Maximum vacuum advance	° Crankshaft	11
Spark plugs		NGK/Champion
Type		BPR5ES / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

L3001986 to 1994

Battery	V / CC / RC	12 / 52Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.9 / _ / 3000
Starter motor current / voltage - cranking	A / V	–
- locked	A / V	–

Running gear

L3001986 to 1994

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	–
Estate / Van	Size	185x14
Pressure - front / rear - Saloon	bar	–
- Estate / Van	bar	3.0 / 3.0

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +3.0
Camber		+30'±45'
Castor		+3°±1°
King pin inclination		–

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0
Camber		0

Torque wrench settings

L3001986 to 1994

Cylinder head - stage 1	Nm	70 to 75 C
- stage 2	Nm	80 to 85 H
Cylinder head - stage 3	Nm	–
- stage 4	Nm	–
Big-end bearings	Nm	32 to 35
Main bearings	Nm	50 to 55
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	30 then 0 then 8
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	120 to 140
Spark plugs	Nm	20 to 30

Capacities

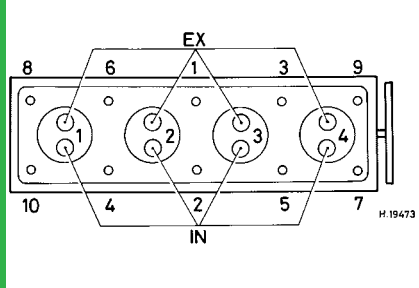
L3001986 to 1994

Engine oil & filter	litres	3.9
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	–
Final drive	litres	1.2
Cooling system	litres	7.5
Fuel tank	litres	55

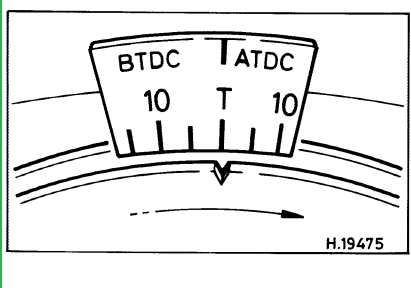
Notes and Illustrations



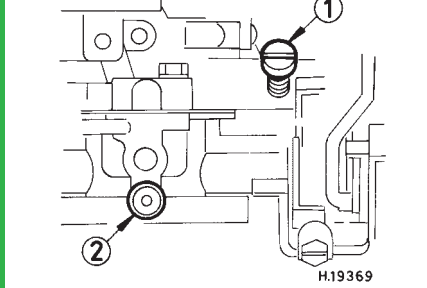
1: Idle speed 2: CO / Mixture



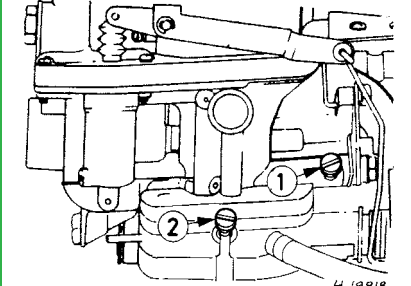
1597 cm³



1597 cm³



Aisan 2V



Aisan 2V, alternative