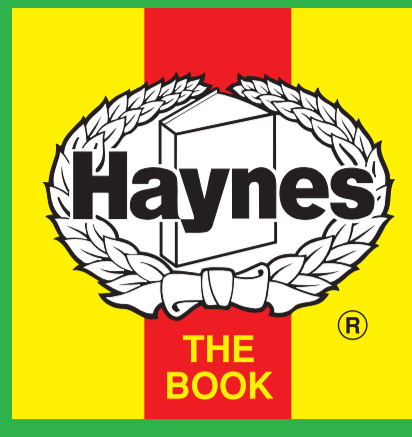


- Engine & Cooling
- Fuel
- Ignition
- Electrical
- Running gear
- Torque settings
- Capacities
- Notes & Illustrations



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.

MENU

HELP

Engine and cooling system 323, 1.6 1989 to 1991

Type	B6. SOHC 16V	
Capacity (cm ³) / number of cylinders	1598 / 4	
Compression ratio / pressure	bar	9.2 / ≥7.8
Oil pressure	bar	[3.5 to 4.5]
Oil temperature	°C	-
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
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 323, 1.6 1989 to 1991

Idle speed - manual [auto]	rpm	850 to 900 [1000 to 1050]
Fast idle speed - manual [auto]	rpm	1250 to 1750
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
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	102, 168	
Injection pressure	bar	-
Pump pressure	bar	0.28 to 0.35
Octane rating	RON	91[E 91 RON]

Ignition system 323, 1.6 1989 to 1991

Type	Electronic	
Ignition coil	-	
Primary resistance	ohms	0.77 to 0.95
Ballast resistor	ohms	-
Voltage - Tmnl 15(+) to earth	V	-
Distributor	-	
Points gap (air gap)	mm	-
Dwell angle	° (%)	-
Condenser capacity	µF	-
Rotation	-	
Ignition timing - basic [static	° Crankshaft @ rpm	4±1 BTDC @ idle
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	-2 to +2 @ 1200
	° Crankshaft @ rpm	13 to 17 @ 2750
	° Crankshaft @ rpm	22 to 26 @ 6000
Vacuum range check	mbar	133 to 454
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs	NGK/Champion	
Type	BKR5E11 or 6E11 / RC9YC	
Electrode gap	mm	1.00 to 1.10

Electrical system 323, 1.6 1989 to 1991

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm	14.1 to 14.7 / _ / 2500	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear 323, 1.6 1989 to 1991

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	175/70x13
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.0 / 1.8
- Estate / Van	bar	-
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±3.0
Camber		-05'±45'
Castor		+2°5'±45'
King pin inclination		+12°25'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±3.0
Camber		-20'±45'

Torque wrench settings 323, 1.6 1989 to 1991

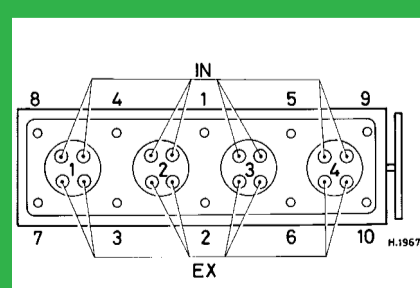
Cylinder head - stage 1	Nm	40
- stage 2	Nm	76 to 81
Cylinder head - stage 3	Nm	-
- stage 4	Nm	-
Big-end bearings	Nm	50 to 54
Main bearings	Nm	54 to 59
Clutch cover	Nm	18 to 26
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319
Rear hubs	Nm	177 to 235
Wheel nuts / bolts	Nm	118
Spark plugs	Nm	15 to 23

Capacities 323, 1.6 1989 to 1991

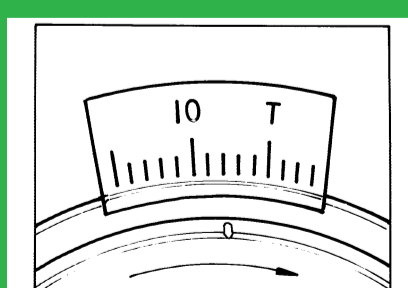
Engine oil & filter	litres	3.2
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	5.0 [AT: 6.0]
Fuel tank	litres	55

Notes and Illustrations

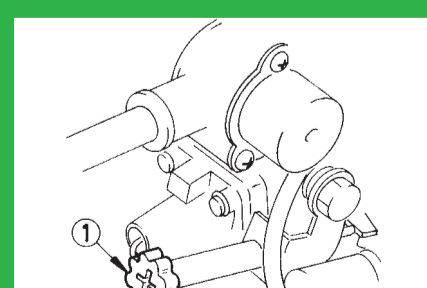
1: Idle speed 2: CO / Mixture



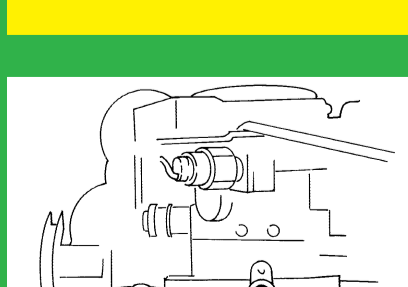
1598 cm³, 16V



1598 cm³, 16V



Aisan 28-32



Aisan 28-32