

Engine & Cooling

Fuel

Ignition

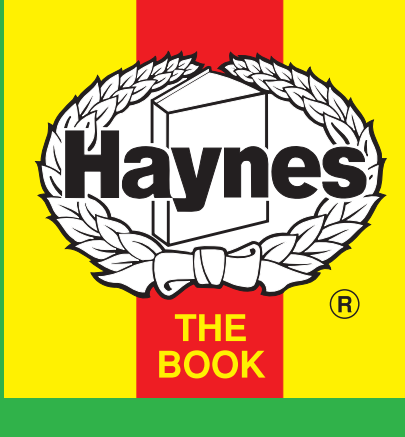
Electrical

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 system121, 1.3 CAT1991 to 1996

Type		B3 SOHC 16V (54kW)
Capacity (cm³) / number of cylinders		1323 / 4
Compression ratio / pressure	bar	9.4 / ≥9.6
Oil pressure	bar	[3.0 to 4.0]
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	86.5 to 89.5
Radiator cap pressure	bar	0.76 to 1.04

Fuel system121, 1.3 CAT1991 to 1996

Idle speed - manual [auto]	rpm	750+50-0 [1100+50-0]
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	N/A
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		Mazda
Type / ref		EGI-S SPI
Main jet / needle		—
Injection pressure	bar	2.5
Pump pressure	bar	6.4
Octane rating	RON	91[U]

Ignition system121, 1.3 CAT1991 to 1996

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.68 to 0.84
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	16±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Champion
Type		BKR5E-11 / RN9YCC
Electrode gap	mm	1.00 to 1.10

Electrical system121, 1.3 CAT1991 to 1996

Battery	V / CC / RC	12 / 45 or 50Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 65 / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gear121, 1.3 CAT1991 to 1996

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

Tyres		
Saloon	Size	165/70x13
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		+50'±45'
Castor		+1°40'±45'
King pin inclination		+14°25'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±3.0
Camber		-15'±45'

Torque wrench settings121, 1.3 CAT1991 to 1996

Cylinder head - stage 1	Nm	30
- stage 2	Nm	50
Cylinder head - stage 3	Nm	76 to 81
- stage 4	Nm	—
Big-end bearings	Nm	29 to 34
Main bearings	Nm	54 to 59
Clutch cover	Nm	17 to 26
Flywheel [driveplate]	Nm	96 to 103 locked
Front hubs	Nm	157 to 235 N
Rear hubs	Nm	167 to 215 N
Wheel nuts / bolts	Nm	88 to 118
Spark plugs	Nm	15 to 23

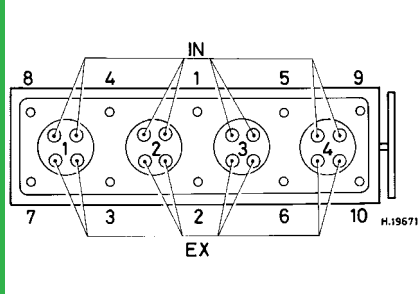
Capacities121, 1.3 CAT1991 to 1996

Engine oil & filter	litres	3.17
Gearbox - 4-speed [5-speed]	litres	2.5
Automatic transmission - refill	litres	6.3
Final drive	litres	WT
Cooling system	litres	5.0 [6.0]
Fuel tank	litres	40

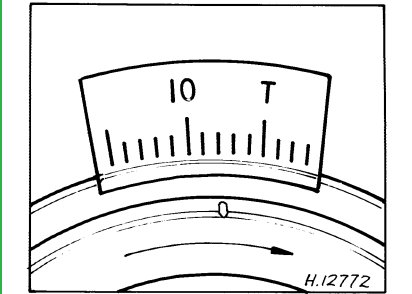
Notes and Illustrations



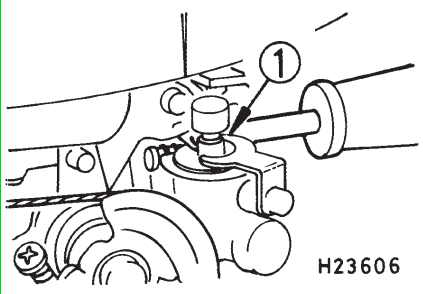
1: Idle speed 2: CO / Mixture



1323 cm³, 16V



1323 cm³, 16V



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