

Engine & Cooling

Fuel

Ignition

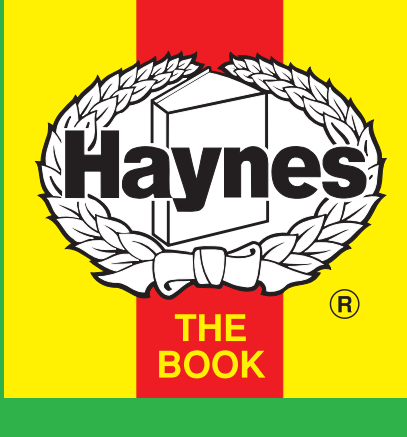
Electrical

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 system323, 1.6i Estate CAT1991 to 1994

Type		B6E. SOHC 8V 42kW
Capacity (cm ³) / number of cylinders		1598 / 4
Compression ratio / pressure	bar	9.3 / ≥7.8
Oil pressure	bar	[3.0 to 4.0]
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	82 to 85
Radiator cap pressure	bar	0.76 to 1.04

Fuel system323, 1.6i Estate CAT1991 to 1994

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Mazda
Type / ref		EGI EFI
Main jet / needle		—
Injection pressure	bar	2.7 to 3.2
Pump pressure	bar	3.5
Octane rating	RON	95[U]

Ignition system323, 1.6i Estate CAT1991 to 1994

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.04 to 1.27
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	2±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 @ 1300
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	17 to 21 @ 3500
Vacuum range check	mbar	102 to 599
Maximum vacuum advance	° Crankshaft	26 to 30
Spark plugs		NGK
Type		BKR5ES-11
Electrode gap	mm	1.00 to 1.10

Electrical system323, 1.6i Estate CAT1991 to 1994

Battery	V / CC / RC	12 / 50 or 60Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 65 / 2500
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear323, 1.6i Estate CAT1991 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	155x13: 175/70x13
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.9 / 1.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±3.0
Camber		+49'±30'
Castor		+1°35'±45'
King pin inclination		+12°22'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±3.0
Camber		-5'±45'

Torque wrench settings323, 1.6i Estate CAT1991 to 1994

Cylinder head - stage 1	Nm	40
- stage 2	Nm	76 to 81
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 26
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319 N
Rear hubs	Nm	177 to 235
Wheel nuts / bolts	Nm	118
Spark plugs	Nm	15 to 23

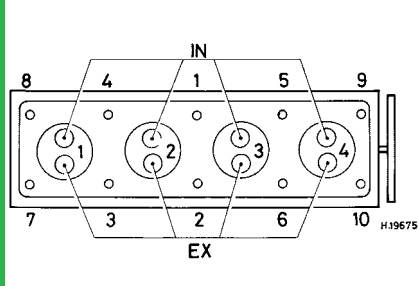
Capacities323, 1.6i Estate CAT1991 to 1994

Engine oil & filter	litres	3.4
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	5.8
Final drive	litres	WT
Cooling system	litres	5.0 [AT: 6.0]
Fuel tank	litres	50

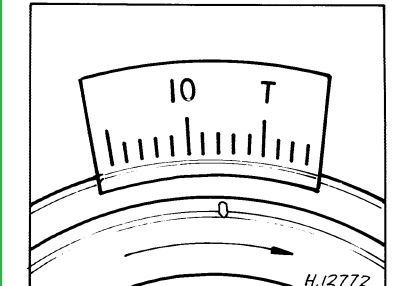
Notes and Illustrations



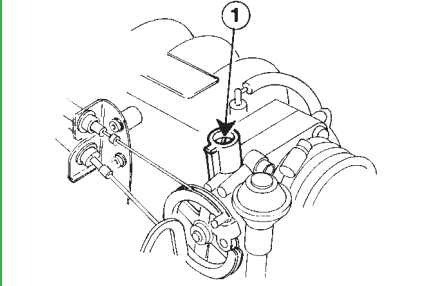
1: Idle speed 2: CO / Mixture



1598 cm³, 8V



1598 cm³, 8V



EGI EFI