

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system323 1.3i1995 to 1997

Type	B3 SOHC 16V 56kW	
Capacity (cm³) / number of cylinders	1324 / 4	
Compression ratio / pressure	bar	9.4 / ≥11.0
Oil pressure	bar	1.0 to 2.0 [3.4 to 4.4]
Oil temperature	°C	80
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	87 to 90
Radiator cap pressure	bar	0.75 to 1.05

Fuel system323 1.3i1995 to 1997

Idle speed - manual [auto]	rpm	800 to 900
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	MPI	
Main jet / needle	—	
Injection pressure	bar	2.7 to 3.2
Pump pressure	bar	4.5 to 6.0
Octane rating	RON	95[U]

Ignition system323 1.3i1995 to 1997

Type	Electronic	
Ignition coil	—	
Primary resistance	ohms	0.81 to 0.99
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	9 to 11 BTDC @ 800 to 900
V = Vacuum NV = No Vacuum	—	
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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/Nippon Denso	
Type	BKR5E-11 / K16PRU-11	
Electrode gap	mm	1.00 to 1.10

Electrical system323 1.3i1995 to 1997

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

Running gear323 1.3i1995 to 1997

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

Tyres		
Saloon	Size	155x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	—

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

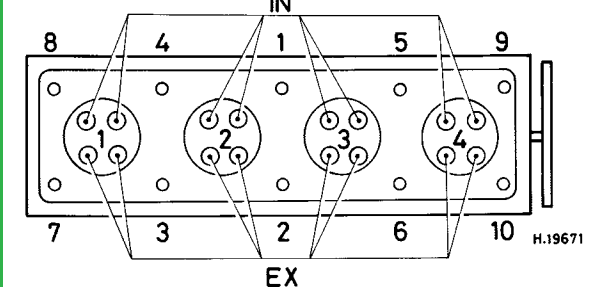
Torque wrench settings323 1.3i1995 to 1997

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 N
Wheel nuts / bolts	Nm	118
Spark plugs	Nm	15 to 23

Capacities323 1.3i1995 to 1997

Engine oil & filter	litres	3.3
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.0
Fuel tank	litres	50

Notes and Illustrations



1324 cm³, 16V