

MAZDA

E2000

1984 to 1988

Engine & Cooling

Fuel

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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.

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HELP

Engine and cooling system

E2000

1984 to 1988

Type		FE
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	8.6 / ≥7.9
Oil pressure	bar	[3.0 to 3.9]
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	0.74 to 1.03

Fuel system

E2000

1984 to 1988

Idle speed - manual [auto]	rpm	800 to 850
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	2.0±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		—
Type / ref		2V
Main jet / needle		104, 155
Injection pressure	bar	—
Pump pressure	bar	0.19 to 0.26
Octane rating	RON	91[R]

Ignition system

E2000

1984 to 1988

Type		Contact breaker - CIS
Ignition coil		—
Primary resistance	ohms	3.1
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	0.45 to 0.55
Dwell angle	° (%)	52±3
Condenser capacity	µF	0.20 to 0.24
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ idle
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1200
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	25 @ 4540
Vacuum range check	mbar	107 to 320
Maximum vacuum advance	° Crankshaft	17
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.75 to 0.85

Electrical system

E2000

1984 to 1988

Battery	V / CC / RC	12 / 45 or 60Ah
Alternator voltage / full load current / engine rpm		14.4 to 15.0 / _ / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gear

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1984 to 1988

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

Tyres		
Saloon	Size	—
Estate / Van	Size	185x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	2.8 / 4.4

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±4.0
Camber		+15'+30'–45'
Castor		+4°+10'–40'
King pin inclination		+8°

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

Torque wrench settings

E2000

1984 to 1988

Cylinder head - stage 1	Nm	Cold: 80 to 87
- stage 2	Nm	94 to 98 H
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	50 to 56
Main bearings	Nm	83 to 88
Clutch cover	Nm	22 to 33
Flywheel [driveplate]	Nm	152 to 160
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	Single: 88 to 118 ¹
Spark plugs	Nm	15 to 20

Capacities

E2000

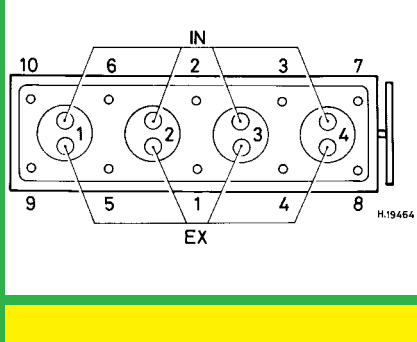
1984 to 1988

Engine oil & filter	litres	3.9
Gearbox - 4-speed [5-speed]	litres	1.4 [1.7]
Automatic transmission - refill	litres	—
Final drive	litres	1.3
Cooling system	litres	7.0
Fuel tank	litres	62

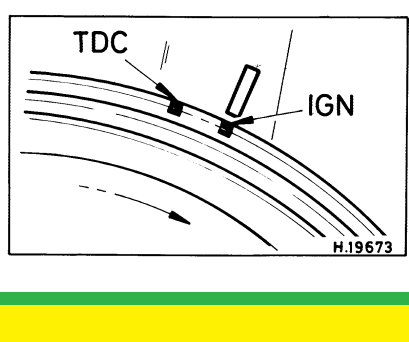
Notes and Illustrations

¹Dual: 167 to 216

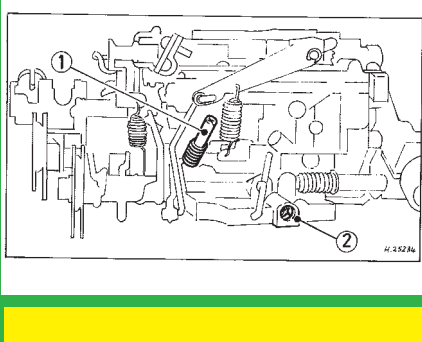
1: Idle speed 2: CO / Mixture



1998 cm³



1998 cm³



2V, 1998 cm³