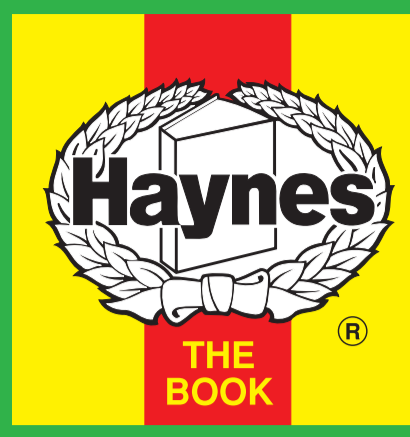


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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MENU

HELP

Engine and cooling system 626, 2.0i 16V & CAT 1990 to 1995

Type		FE. DOHC 16V 103kW
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	10.0 (CAT: 9.2) / ≥10.0
Oil pressure	bar	[3.5 to 4.4]
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	Main: 83 to 87. Sub: 86 to 90
Radiator cap pressure	bar	0.75 to 1.05

Fuel system 626, 2.0i 16V & CAT 1990 to 1995

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	–
O ₂ @ idle speed [3000 rpm] - see page VI	%	–
Carburettor / fuel injection		Mazda
Type / ref		EFI MPI
Main jet / needle		–
Injection pressure	bar	2.3 to 2.8
Pump pressure	bar	4.4 to 5.9
Octane rating	RON	95[E 95 RON] ¹

Ignition system 626, 2.0i 16V & CAT 1990 to 1995

Type		Electronic
Ignition coil		–
Primary resistance	ohms	0.72 to 0.88
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	12±1 BTDC @ 750±50
V = Vacuum NV = No Vacuum		–
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 ²
Type		BKR5E, 6E or 7E / RC7YCC
Electrode gap	mm	0.70 to 0.80 ³

Electrical system 626, 2.0i 16V & CAT 1990 to 1995

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / _ / 2000
Starter motor current / voltage - cranking	A / V	–
- locked	A / V	–

Running gear 626, 2.0i 16V & CAT 1990 to 1995

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

Tyres		
Saloon	Size	195/60x15
Estate / Van	Size	185/70x14: 195/60x15
Pressure - front / rear - Saloon	bar	2.2 / 1.8
- Estate / Van	bar	2.2 / 2.0

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0±3.0
Camber		+17'±45'
Castor		+1°13'±45'
King pin inclination		+12°47'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0±3.0 ⁴
Camber		-30'±45' [4WS: 0±45']

Torque wrench settings 626, 2.0i 16V & CAT 1990 to 1995

Cylinder head - stage 1	Nm	80 to 86
- stage 2	Nm	–
Cylinder head - stage 3	Nm	–
- stage 4	Nm	–
Big-end bearings	Nm	69 to 73
Main bearings	Nm	83 to 88
Clutch cover	Nm	22 to 32
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319
Rear hubs	Nm	98 to 117
Wheel nuts / bolts	Nm	118
Spark plugs	Nm	15 to 23

Capacities 626, 2.0i 16V & CAT 1990 to 1995

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	–
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	60. 4WS: 57

Notes and Illustrations

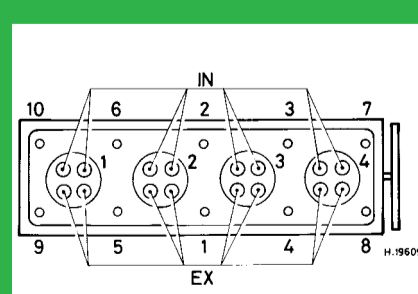
¹CAT: 95 [U]

²CAT: BKR5E-11

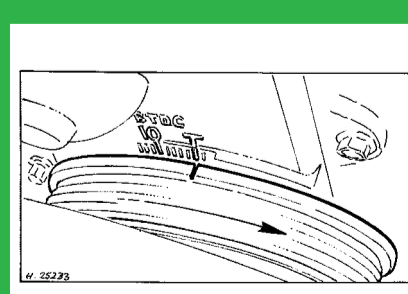
³CAT (BKR5E-11): 1.00 to 1.10

⁴4WS: +3.0±3.0

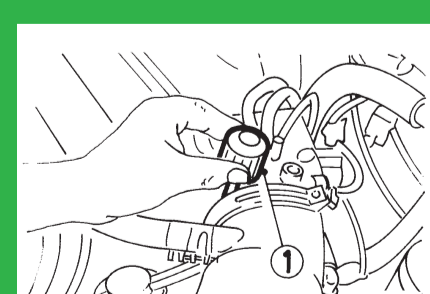
1: Idle speed 2: CO / Mixture



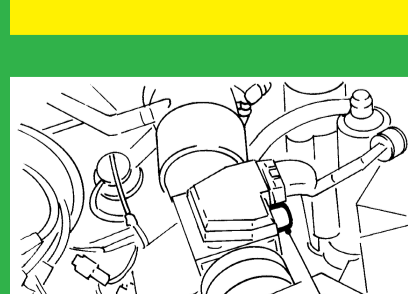
1998 cm³, 16V



1998 cm³, 16V



EFi, 16V



EFi, 16V