

Engine & Cooling

Fuel

Ignition

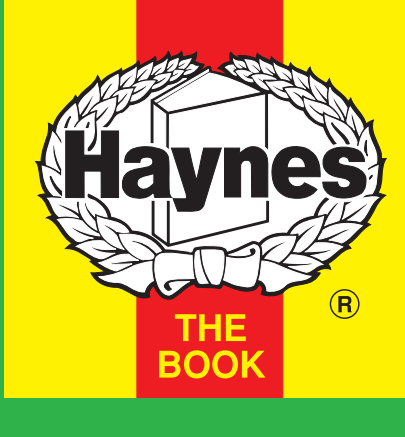
Electrical

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 system626, 2.0i 16V & CAT1990 to 1995

Type		FE. DOHC 16V 103kW
Capacity (cm³) / 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 system626, 2.0i 16V & CAT1990 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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 system626, 2.0i 16V & CAT1990 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 system626, 2.0i 16V & CAT1990 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 gear626, 2.0i 16V & CAT1990 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 settings626, 2.0i 16V & CAT1990 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

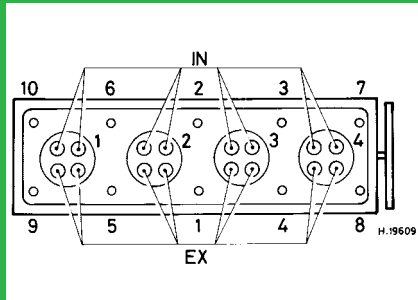
Capacities626, 2.0i 16V & CAT1990 to 1995

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

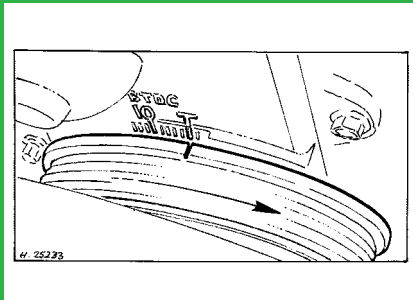
Notes and Illustrations

- ¹CAT: 95 [U]
- ²CAT: BKR5E-11
- ³CAT (BKR5E-11): 1.00 to 1.10
- ⁴4WS: +3.0±3.0

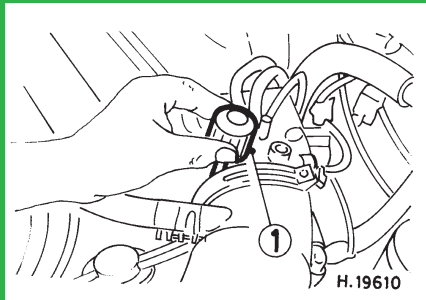
1: Idle speed2: CO / Mixture



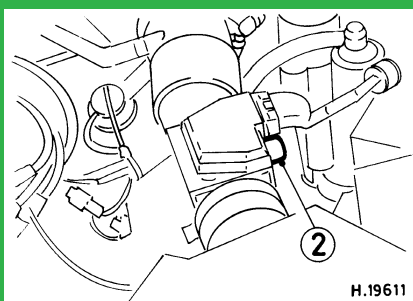
1998 cm³, 16V



1998 cm³, 16V



EFi, 16V



EFi, 16V