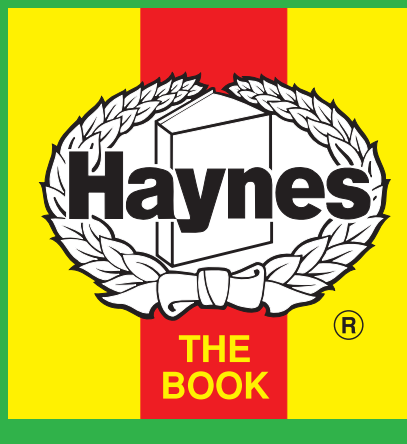


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 system

MX-3, 1.8i V6 1991 to 1997

type		K8. DOHC 24V 100kW
Capacity (cm ³) / number of cylinders		1845 / 6
Compression ratio / pressure	bar	9.2 / ≥9.8
Oil pressure	bar	[3.3 to 4.9]
Oil temperature	°C	–
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-3-4-5-6
No 1 cylinder position		PER
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	0.76 to 1.04

Fuel system

MX-3, 1.8i V6 1991 to 1997

Idle speed - manual [auto]	rpm	670±30
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.5±0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Weber
Type / ref		EGI EFI
Main jet / needle		—
Injection pressure	bar	2.9
Pump pressure	bar	6.5
Octane rating	RON	91 [111]

Ignition system

MX-3, 1.8i V6 1991 to 1997

Type	Electronic	
Ignition coil		
Primary resistance	ohms	0.49 to 0.73
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Denso	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static	° Crankshaft @ rpm	10±1 BTDC @ 670
V = Vacuum NV = No Vacuum	NV	
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	
Type	BKR5E-11	
Electrode gap	mm	1.00 to 1.10

Electrical system

MX-3, 1.8i V6 **1991 to 1997**

Battery	V / CC / RC	12 / 50 or 60Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 90 / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
	A / V	

Running gear

MX-3 1.8i V6 1991 to 1997

Reference

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

Tyres

Saloon	Size	205/55x15
Estate / Van	Size	

L
 P

Pressure front / Rear	Saloon	bar	110 / 110
	- Estate / Van	bar	

Front suspension / wheel alignment

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+3.0±3.0
Camber		-48'±45'
Castor		+2°38'±45'

King pin inclination

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±3.0
Camber		55'±45'

Torque wrench settings

1991 - 1997

Torque wrench settings		MX-3, 1.8i V6	1991 to 1997
Cylinder head - stage 1	Nm	23 to 26	
- stage 2	Nm	+ 90±5°	
Cylinder head - stage 3	Nm	—	
- stage 4	Nm	—	
Big-end bearings	Nm	22 to 27 ¹	
Main bearings	Nm	WSM	
Clutch cover	Nm	18 to 26	
Flywheel [driveplate]	Nm	96 to 103 locked	
Front hubs	Nm	235 to 319 N	
Rear hubs	Nm	177 to 235 N	
Wheel nuts / bolts	Nm	89 to 117	
Camshaft	Nm	15 to 22	

Capacities

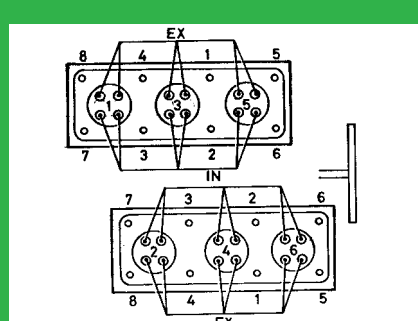
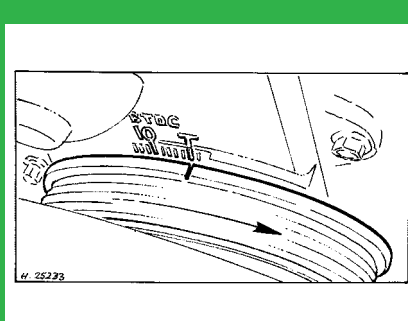
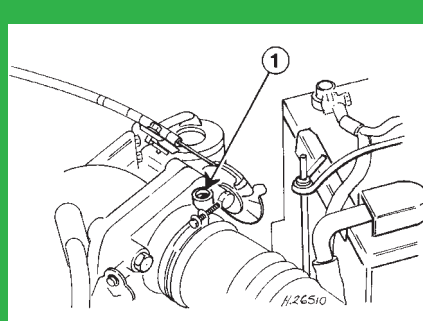
MY 3-18: VC	1991 to 1997
1991	1997

Capacities		MX-3, 1.8i V6	1991 to 1997
Engine oil & filter	litres	4.0	
Gearbox - 4-speed [5-speed]	litres	2.7	
Automatic transmission - refill	litres	—	
Final drive	litres	WT	
Cooling system	litres	7.5	

Fuel tank

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1845 cm³1845 cm³**EGI-MX-3 V6**