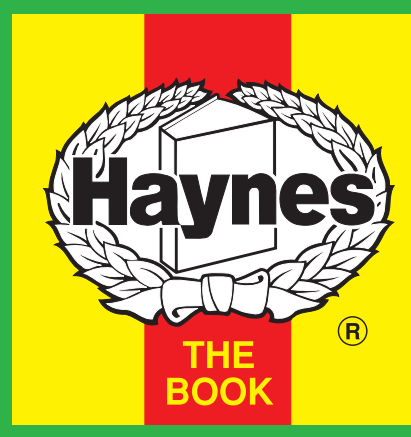


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



# 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 system MX-3, 1.8i V6 1991 to 1997

Type		K8. DOHC 24V 100kW
Capacity (cm <sup>3</sup> ) / 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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	–
O <sub>2</sub> @ 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[U]

## 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
Centrifugal check.	° Crankshaft @ rpm	–
Vacuum range check	° Crankshaft @ rpm	–
Maximum vacuum advance	° Crankshaft @ rpm	–
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)
- locked	A / V	–

## Running gear MX-3, 1.8i V6 1991 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
<b>Tyres</b>		
Saloon	Size	205/55x15
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	–
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+3.0±3.0
Camber		-48'±45'
Castor		+2°38'±45'
King pin inclination		+13°45'
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±3.0
Camber		-55'±45'

## 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 <sup>1</sup>
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
Spark plugs	Nm	15 to 23

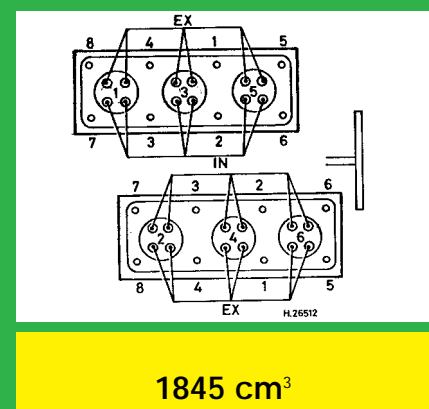
## Capacities MX-3, 1.8i V6 1991 to 1997

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	litres	50

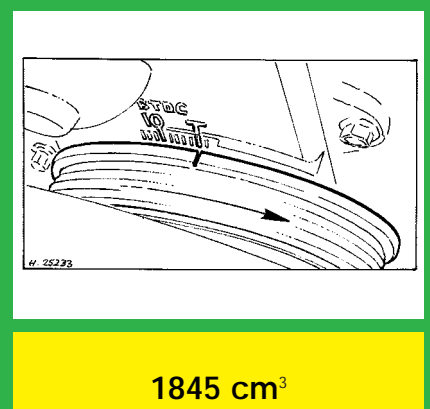
## Notes and Illustrations

<sup>1</sup>+ 90±7° + 90±7°

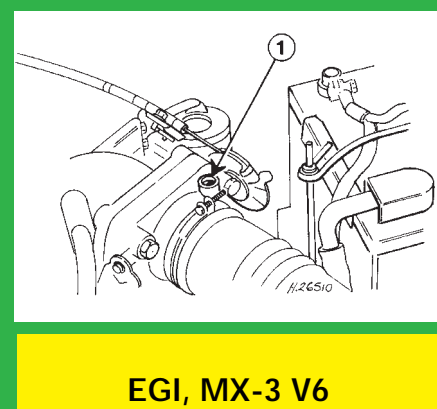
1: Idle speed      2: CO / Mixture



1845 cm<sup>3</sup>



1845 cm<sup>3</sup>



EGI, MX-3 V6