

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

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HELP

Engine and cooling system MX-3, 1.6i 1991 to 1997

Type	B6. DOHC 16V 66kW	
Capacity (cm ³) / number of cylinders	1598 / 4	
Compression ratio / pressure	bar	9.0 / ≥9.8
Oil pressure	bar	1.0 to 2.0 [3.0 to 4.0]
Oil temperature	°C	80
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	86 to 89
Radiator cap pressure	bar	0.76 to 1.04

Fuel system MX-3, 1.6i 1991 to 1997

Idle speed - manual [auto]	rpm	650 to 750 [700 to 800]
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ 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	4.5 to 6.5
Octane rating	RON	91[U]

Ignition system MX-3, 1.6i 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	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static	° Crankshaft @ rpm	9 to 11 BTDC @ 750 WSM
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, 1.6i 1991 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm	14.1 to 14.7 / 70 / 2500	
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gear MX-3, 1.6i 1991 to 1997

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	185/65x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	—
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+3.0±3.0
Camber		-48'±45'
Castor		+2°38'±45'
King pin inclination		+13°45'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±3.0
Camber		-55'±45'

Torque wrench settings MX-3, 1.6i 1991 to 1997

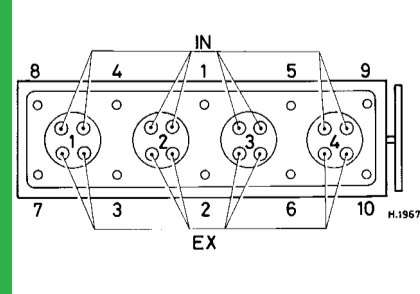
Cylinder head - stage 1	Nm	40
- stage 2	Nm	76 to 81
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	47 to 50
Main bearings	Nm	54 to 59
Clutch cover	Nm	18 to 26
Flywheel [driveplate]	Nm	96 to 103 locked
Front hubs	Nm	235 to 319 N
Rear hubs	Nm	177 to 235 N
Wheel nuts / bolts	Nm	89 to 117
Spark plugs	Nm	15 to 23

Capacities MX-3, 1.6i 1991 to 1997

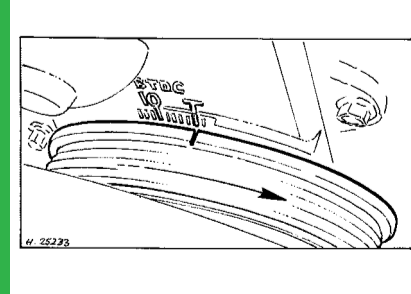
Engine oil & filter	litres	3.4
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	5.8
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	50

Notes and Illustrations

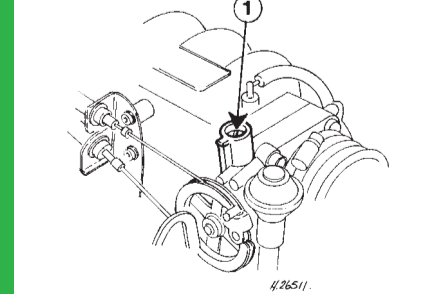
1: Idle speed 2: CO / Mixture



1598 cm³



1598 cm³



EGI, MX-3 1.6