

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 XM V6 CAT 1989 to 1994

Type	ZPJ (SFZ) SOHC 12V 123kW 15.05	
Capacity (cm ³) / number of cylinders	2975 / 6	
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[5.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-6-3-5-2-4	
No 1 cylinder position	FEL	
Thermostat opening temperature	°C	83. 91 ▶ & AT: 78
Radiator cap pressure	bar	1.4

Fuel system XM V6 CAT 1989 to 1994

Idle speed - manual [auto]	rpm	750±50 [800±50] N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥11.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Siemens Bendix	
Type / ref	Fenix 3B	
Main jet / needle	_	
Injection pressure	bar	_
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system XM V6 CAT 1989 to 1994

Type	Fenix 3B	
Ignition coil	Bosch 0 221 122 411	
Primary resistance	ohms	0.5
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
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	Eyquem/Champion	
Type	RFC58LS3 / RC7BMC	
Electrode gap	mm	1.0±0.1 N/A

Electrical system XM V6 CAT 1989 to 1994

Battery	V / CC / RC	12 / 300 / _, 400 / _
Alternator voltage / full load current / engine rpm	13.5 / 65, 75, 110 / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear XM V6 CAT 1989 to 1994

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	205/60x15
Pressure - front / rear - Saloon	bar	2.2 / 1.9
- Estate / Van	bar	2.3 / 2.3
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber	-15'±30' N/A	
Castor	+2°30'±30' N/A	
King pin inclination	+13°28' N/A	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 6.5 N/A
Camber	+50'±20' N/A	

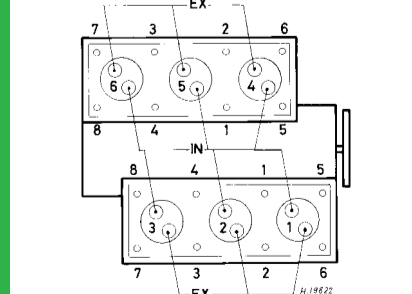
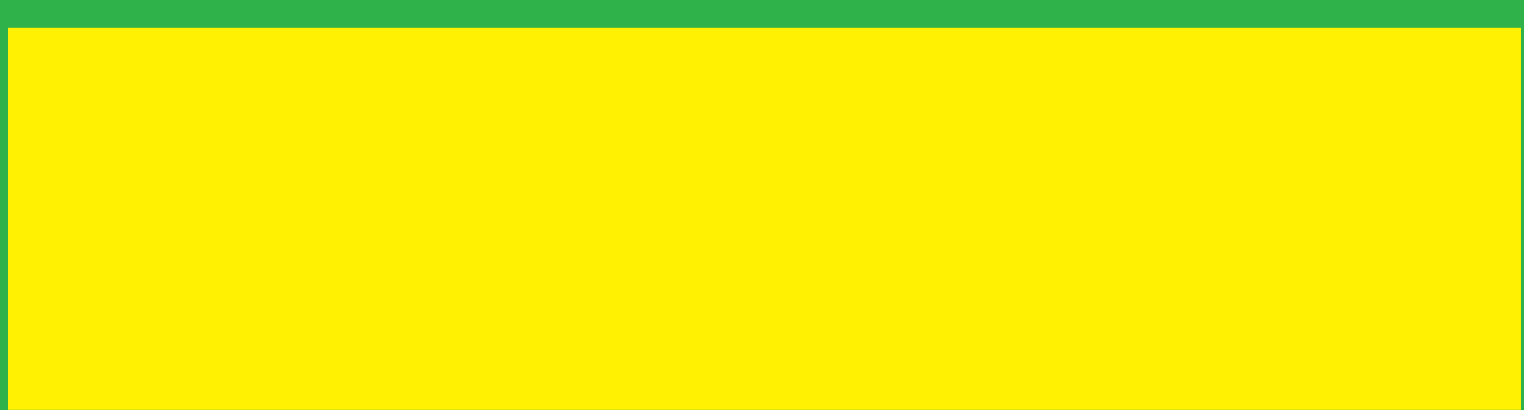
Torque wrench settings XM V6 CAT 1989 to 1994

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	40
- stage 4	Nm	+ 180°
Big-end bearings	Nm	20 + 75°
Main bearings	Nm	30 + 75°
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	15

Capacities XM V6 CAT 1989 to 1994

Engine oil & filter	litres	7.0
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	9.4. A/C: 10.0
Fuel tank	litres	80

Notes and Illustrations



2975 cm³, 12V