

Engine & Cooling

Fuel

Ignition

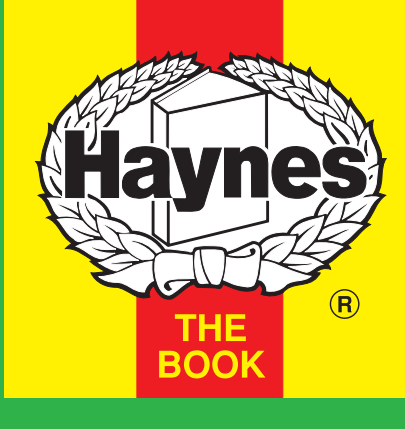
Electrical

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

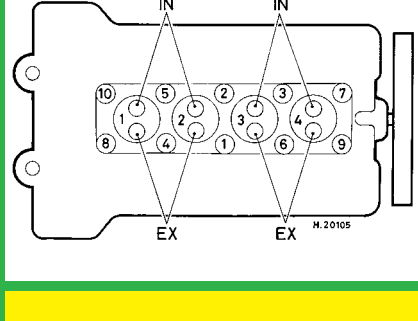
Engine and cooling system			75, 2.0i Twin Spark	1987 to 1992
Type			017.13, 062.24 DOHC (107kW)	
Capacity (cm³) / number of cylinders			1962 / 4	
Compression ratio / pressure		bar	10.0 / _	
Oil pressure		bar	[3.4 to 4.9]	
Oil temperature		°C	90	
Valve clearance - inlet		mm	0.40 to 0.45	
Valve clearance - exhaust		mm	0.45 to 0.50	
Firing order			1-3-4-2	
No 1 cylinder position			TCE	
Thermostat opening temperature		°C	81 to 85	
Radiator cap pressure		bar	0.69	
Fuel system			75, 2.0i Twin Spark	1987 to 1992
Idle speed - manual [auto]		rpm	800±50	
Fast idle speed - manual [auto]		rpm	_	
CO @ idle speed [3000 rpm] - see page VI		%	≤0.5	
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			Bosch	
Type / ref			ML1-Motronic	
Main jet / needle			_	
Injection pressure		bar	1.8 to 2.2	
Pump pressure		bar	2.8 to 3.2	
Octane rating		RON	98[E 95 RON] ¹	
Ignition system			75, 2.0i Twin Spark	1987 to 1992
Type			DME Motronic	
Ignition coil			2xBosch 0 221 600 054	
Primary resistance		ohms	0.45 to 0.55	
Ballast resistor		ohms	_	
Voltage - Tmnl 15(+) to earth		V	_	
Distributor			Bosch	
Points gap (air gap)		mm	_	
Dwell angle		° (%)	_	
Condenser capacity		µF	_	
Rotation			Clockwise	
Ignition timing - basic [static		° Crankshaft @ rpm	10±1 BTDC @ 800±50 (mark F)	
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			Lodge/Champion	
Type			2HLD / C6YCC	
Electrode gap		mm	Champion: 0.80	
Electrical system			75, 2.0i Twin Spark	1987 to 1992
Battery		V / CC / RC	12 / 225 / 55Ah	
Alternator voltage / full load current / engine rpm			13.0 to 14.0 / _ / 3000	
Starter motor current / voltage - cranking		A / V	315 / 9.0	
- locked		A / V	750 / 4.0	
Running gear			75, 2.0i Twin Spark	1987 to 1992
Brakes -				
Front (min. friction material thickness)		mm	7.0 with backing	
Rear (min. friction material thickness)		mm	7.0 with backing	
Tyres				
Saloon		Size	195/60x14	
Estate / Van		Size	_	
Pressure - front / rear - Saloon		bar	2.0 / 2.0	
- Estate / Van		bar	_	
Front suspension / wheel alignment				
Toe-in (+) / Toe-out (-)		mm [°]	-2.0±1.0	
Camber			-30'±30'	
Castor			+3°30'±30'	
King pin inclination			_	
Rear suspension / wheel alignment				
Toe-in (+) / Toe-out (-)		mm [°]	[0±10']	
Camber			0±30'	
Torque wrench settings			75, 2.0i Twin Spark	1987 to 1992
Cylinder head - stage 1		Nm	77 to 79	
- stage 2		Nm	Warm up, 82 to 83	
Cylinder head - stage 3		Nm	1000km: - 360°	
- stage 4		Nm	86 to 88	
Big-end bearings		Nm	49 to 52 oiled	
Main bearings		Nm	46 to 49 oiled	
Clutch cover		Nm	13 to 16	
Flywheel [driveplate]		Nm	113, LkC	
Front hubs		Nm	WSM	
Rear hubs		Nm	265 to 324	
Wheel nuts / bolts		Nm	98	
Spark plugs		Nm	25 to 34 oiled	
Capacities			75, 2.0i Twin Spark	1987 to 1992
Engine oil & filter		litres	5.6	
Gearbox - 4-speed [5-speed]		litres	2.3	
Automatic transmission - refill		litres	_	
Final drive		litres	WT	
Cooling system		litres	8.6	
Fuel tank		litres	49	

Notes and Illustrations

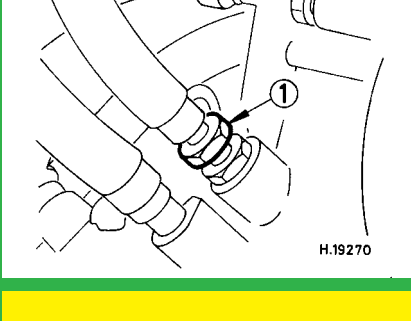
¹Check MAP connector relay near ECU is fitted to EFI system before using unleaded

1: Idle speed

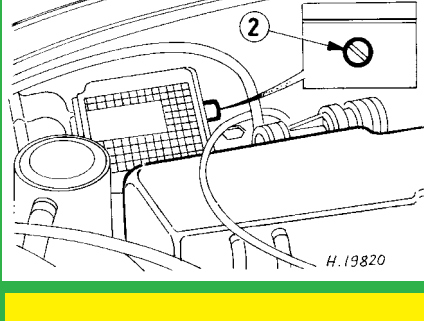
2: CO / Mixture



1962 cm³



ML1-Motronic



ML1-Motronic