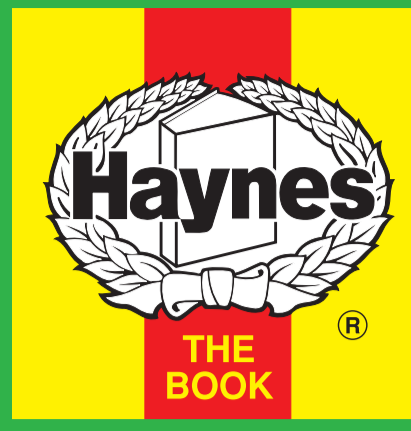


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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## Automotive Technical DATA BOOK

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### Engine and cooling system 75, 2.5 V6 1986 to 1991

Type		016.46 (115kW)
Capacity (cm <sup>3</sup> ) / number of cylinders		2492 / 6
Compression ratio / pressure	bar	9.0 / _
Oil pressure	bar	[3.9 to 5.9]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.48 to 0.50
Valve clearance - exhaust	mm	0.23 to 0.25
Firing order		1-4-2-5-3-6
No 1 cylinder position		FR
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	0.88 to 1.08

### Fuel system 75, 2.5 V6 1986 to 1991

Idle speed - manual [auto]	rpm	800 to 1000
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
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		Bosch
Type / ref		L-Jetronic
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	2.3 to 2.7
Octane rating	RON	98[E 95 RON]

### Ignition system 75, 2.5 V6 1986 to 1991

Type		Electronic
Ignition coil		Bosch 0 221 600 002
Primary resistance	ohms	0.7 to 1.0
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	7±1 BTDC @ idle (mark F)
V = Vacuum  NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	28 to 31 BTDC @ 5100 (mark M)
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 700 to 1200
	° Crankshaft @ rpm	19 to 24 @ 3000
	° Crankshaft @ rpm	24 to 28 @ 4200
Vacuum range check	mbar	140 to 261
Maximum vacuum advance	° Crankshaft	8 to 12
Spark plugs		Lodge/Champion
Type		2HL / RN11YCC
Electrode gap	mm	Champion: 0.80

### Electrical system 75, 2.5 V6 1986 to 1991

Battery	V / CC / RC	12 / 290 / 60Ah
Alternator voltage / full load current / engine rpm		14.0 / _ / 4000
Starter motor current / voltage - cranking	A / V	290 / 9.0
- locked	A / V	500 / 6.0

### Running gear 75, 2.5 V6 1986 to 1991

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing

<b>Tyres</b>		
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 [°]	-1.0±1.0
Camber		-30'±30'
Castor		+4°30'±30'
King pin inclination		_

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[0±10']
Camber		0±30'

### Torque wrench settings 75, 2.5 V6 1986 to 1991

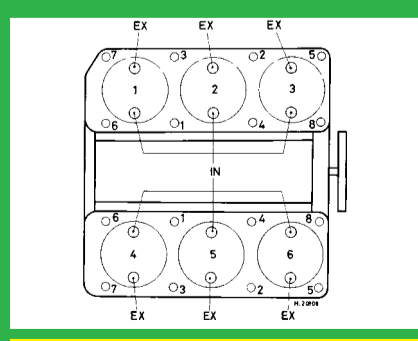
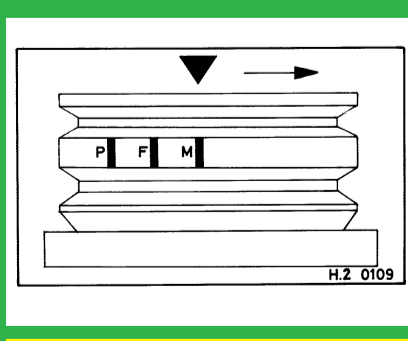
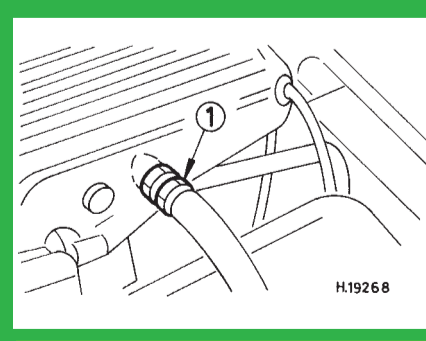
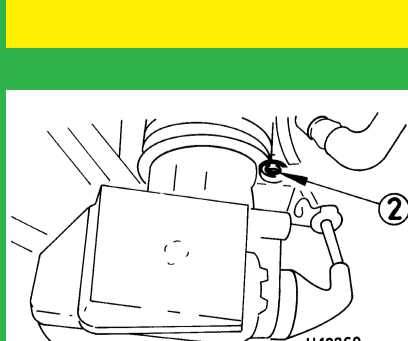
Cylinder head - stage 1	Nm	78 oiled
- stage 2	Nm	88
Cylinder head - stage 3	Nm	1000km: - 360°
- stage 4	Nm	Oil, then 88
Big-end bearings	Nm	53 to 59 oiled
Main bearings	Nm	84 to 93 oiled
Clutch cover	Nm	18 to 22
Flywheel [driveplate]	Nm	113, LkC
Front hubs	Nm	WSM
Rear hubs	Nm	265 to 324
Wheel nuts / bolts	Nm	98
Spark plugs	Nm	25 to 34 oiled

### Capacities 75, 2.5 V6 1986 to 1991

Engine oil & filter	litres	6.7
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	10.0
Fuel tank	litres	49

### Notes and Illustrations

1: Idle speed    2: CO / Mixture


**2492 cm<sup>3</sup>**

**2492 cm<sup>3</sup>**

**L-Jetronic, 2.5 V6**

**L-Jetronic, 2.5 V6**