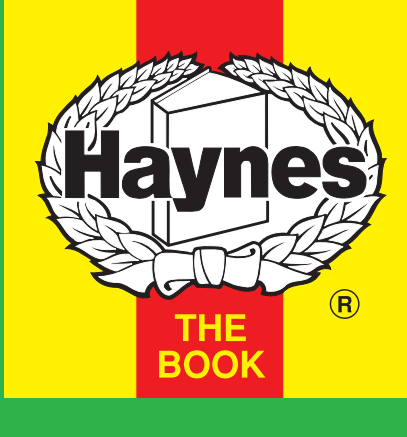


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

75, 2.5 V61986 to 1991

Type		016.46 (115kW)
Capacity (cm ³) / 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 V61986 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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ 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 V61986 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 V61986 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 V61986 to 1991

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 [°]	-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 V61986 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 V61986 to 1991

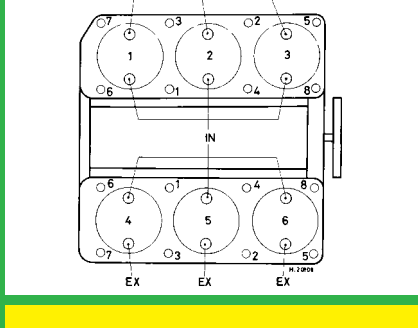
Engine oil & filter	litres	6.7
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	10.0
Fuel tank	litres	49

Notes and Illustrations

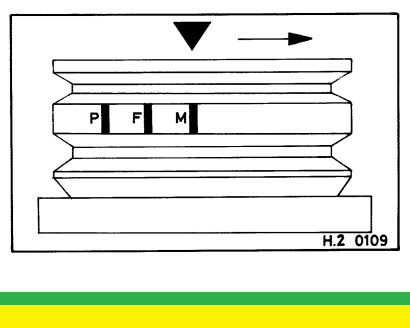


1: Idle speed

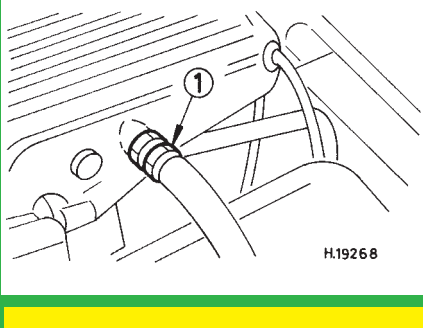
2: CO / Mixture



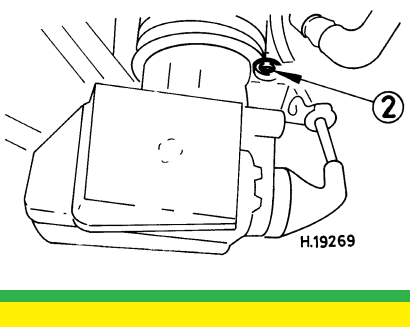
2492 cm³



2492 cm³



L-Jetronic, 2.5 V6



L-Jetronic, 2.5 V6