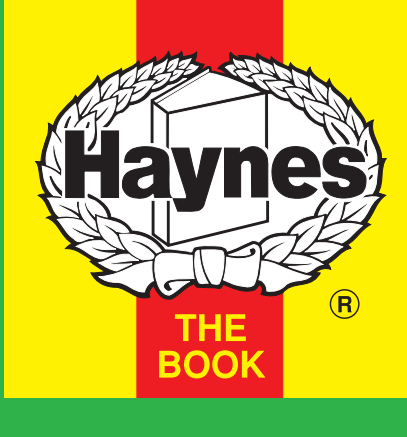


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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, 1.81986 to 1989

Type		062.02 DOHC (88kW)
Capacity (cm³) / number of cylinders		1779 / 4
Compression ratio / pressure	bar	9.5 / _
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, 1.81986 to 1989

Idle speed - manual [auto]	rpm	850 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		Weber/Dellorto
Type / ref		Twin: W: DCOM. D: DHLA
Main jet / needle		W: 138. D: 148
Injection pressure	bar	_
Pump pressure	bar	0.30 to 0.44
Octane rating	RON	98[RA] ¹

Ignition system

75, 1.81986 to 1989

Type		Electronic
Ignition coil		Marelli. Bosch
Primary resistance	ohms	0.7 to 1.0 (typical)
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch/Marelli
Points gap (air gap)	mm	[0.50 to 0.60]
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	38+0-3 @ 5100 (mark M)
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	B: 0 @ 560 to 940 ²
	° Crankshaft @ rpm	B: 7 to 12 @ 1800 ²
	° Crankshaft @ rpm	B: 27 to 31 @ 5400 ²
Vacuum range check	mbar	B: 200 to 300 ³
Maximum vacuum advance	° Crankshaft	B: 14 to 19 ³
Spark plugs		Lodge/Champion
Type		2HL / RN7YCC
Electrode gap	mm	Champion: 0.80

Electrical system

75, 1.81986 to 1989

Battery	V / CC / RC	12 / 240 / 50Ah
Alternator voltage / full load current / engine rpm		14.0 / _ / 4000
Starter motor current / voltage - cranking	A / V	220 to 250 / 9.0 to 9.8
- locked	A / V	290 to 480 / 5.0 to 7.4

Running gear

75, 1.81986 to 1989

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing

Tyres		
Saloon	Size	185/70x13: 185/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±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, 1.81986 to 1989

Cylinder head - stage 1	Nm	71 to 73
- stage 2	Nm	Warm up, 75 to 76
Cylinder head - stage 3	Nm	1000km: - 360°
- stage 4	Nm	76 to 78
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

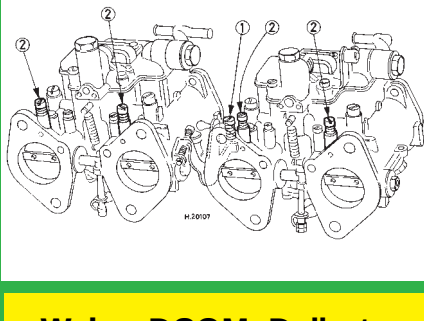
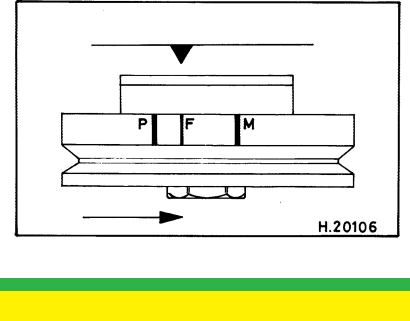
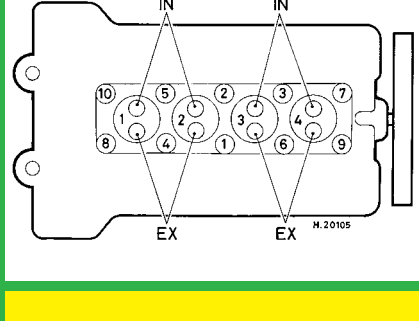
75, 1.81986 to 1989

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	8.0
Fuel tank	litres	49

Notes and Illustrations

¹[E 95 RON]: ignition - 3°. [E 98 RON]
²M: 0 @ 500 to 1100, 9 to 13 @ 2000, 27 to 31 @ 5100
³M: 133 to 283 @ 14 to 20

1: Idle speed2: CO / Mixture



1779 cm³1779 cm³Weber DCOM, Dellorto DHLA