

Engine & Cooling

Fuel

Ignition

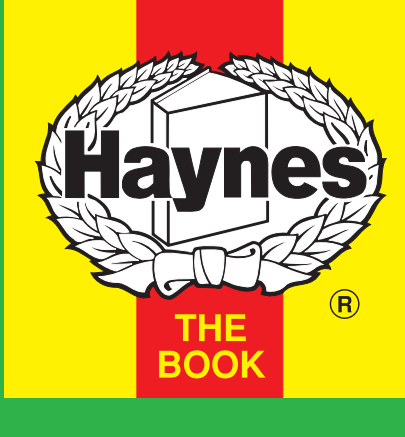
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

Megane 2.0 (BAOG)

1996 to 1997

Type		F3R 750 EC96 SOHC 8V
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	9.8 /
Oil pressure	bar	1.0 (3.0)
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.6

Fuel system

Megane 2.0 (BAOG)

1996 to 1997

Idle speed - manual [auto]	rpm	770±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	—
CO2 @ idle speed [3000 rpm] - see page VI	%	≥14.5
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—Siemens Bendix
Type / ref		Fenix 5 SEFI
Main jet / needle		—
Injection pressure	bar	2.5±0.2
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system

Megane 2.0 (BAOG)

1996 to 1997

Type		Fenix
Ignition coil		—
Primary resistance	ohms	—
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	N/A
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs		Eyquem/Bosch/Champion
Type		C52LS / W7DCO / N7YCX
Electrode gap	mm	0.9

Electrical system

Megane 2.0 (BAOG)

1996 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		14.8 / 75, 110
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Megane 2.0 (BAOG)

1996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	—

Tyres		
Saloon	Size	175/65x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.4 / 2.2
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	(-0°10'±10')
Camber		-0°20'±30'
Castor		4°±30'
King pin inclination		13°20'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	(0°30'±20')
Camber		-0°50'±15'

Torque wrench settings

Megane 2.0 (BAOG)

1996 to 1997

Cylinder head - stage 1	Nm	30 oiled N
- stage 2	Nm	+50°±4°
Cylinder head - stage 3	Nm	Slacken 25 +123°±7° in turn
- stage 4	Nm	—
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	22.5
Flywheel [driveplate]	Nm	—
Front hubs	Nm	250
Rear hubs	Nm	190
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25 to 30

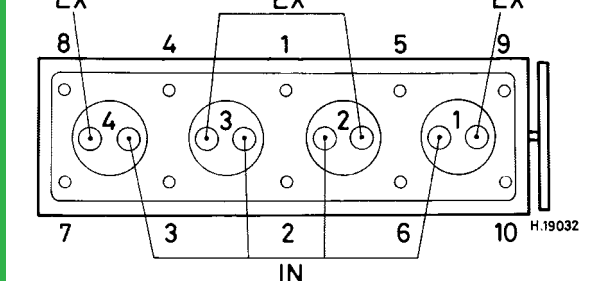
Capacities

Megane 2.0 (BAOG)

1996 to 1997

Engine oil & filter	litres	6.0
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	60

Notes and Illustrations



1998 cm³ 8V