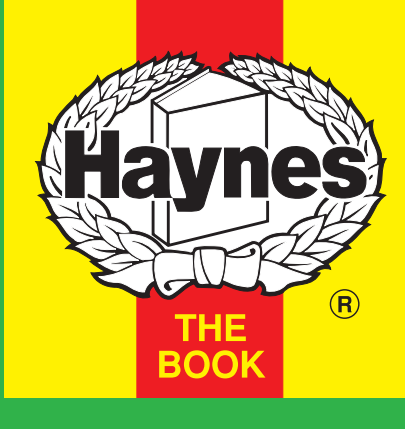


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemMegane 1.4 (BAOE)1996 to 1997

Type		E7J 764 SOHC 8V EC96
Capacity (cm³) / number of cylinders		1390 / 4
Compression ratio / pressure	bar	9.5 /
Oil pressure	bar	1.0 (3.0)
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89
Radiator cap pressure	bar	1.2

Fuel systemMegane 1.4 (BAOE)1996 to 1997

Idle speed - manual [auto]	rpm	750±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 3 Monopoint
Main jet / needle		—
Injection pressure	bar	1.06
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemMegane 1.4 (BAOE)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/NGK
Type		FC52LS / BCP5ES
Electrode gap	mm	0.9

Electrical systemMegane 1.4 (BAOE)1996 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		14.8 / 80, 100
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearMegane 1.4 (BAOE)1996 to 1997

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

Tyres		
Saloon	Size	175/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.3 / 2.2
- Estate / Van	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	(-0°10'±10')
Camber		-0°08'±30' PAS: -0°20'±30'
Castor		2°±30' PAS 4°±30'
King pin inclination		13°01'±30' PAS: 13°21'±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	(+0°50'±20')
Camber		-1°±15'

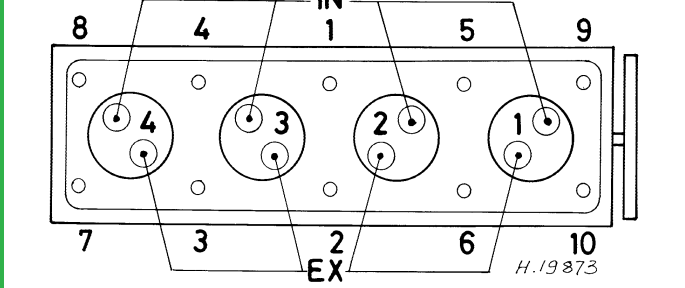
Torque wrench settingsMegane 1.4 (BAOE)1996 to 1997

Cylinder head - stage 1	Nm	20 oiled
- stage 2	Nm	+97°±2°, wait 3 mins
Cylinder head - stage 3	Nm	Slacken 20 +97°±2° in turn
- stage 4	Nm	—
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	18
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25 to 30

CapacitiesMegane 1.4 (BAOE)1996 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	60

Notes and Illustrations



1390 cm³ 8V