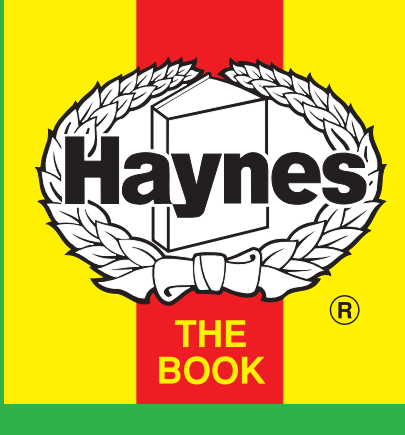


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



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.

MENU	HELP
------	------

Engine and cooling systemM31996 to 1997

Type	S50/B32 236kW	
Capacity (cm³) / number of cylinders	3201 / 6	
Compression ratio / pressure	bar	11.3 / 11 to 12
Oil pressure	bar	≥1.0 / 4.0
Oil temperature	°C	80
Valve clearance - inlet	mm	0.18 to 0.23
Valve clearance - exhaust	mm	0.28 to 0.33
Firing order	1-5-3-6-2-4	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	80
Radiator cap pressure	bar	–

Fuel systemM31996 to 1997

Idle speed - manual [auto]	rpm	780±50
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	–
O2 @ idle speed [3000 rpm] - see page VI	%	–
Carburettor / fuel injection	–	
Type / ref	MS S50	
Main jet / needle	–	
Injection pressure	bar	–
Pump pressure	bar	–
Octane rating	RON	98[U]

Ignition systemM31996 to 1997

Type	Direct electronic	
Ignition coil	–	
Primary resistance	ohms	0.82
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	–
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	NGK	
Type	PKR 7A	
Electrode gap	mm	0.6±0.1

Electrical systemM31996 to 1997

Battery	V / CC / RC	12 / 65Ah
Alternator voltage / full load current / engine rpm	– / 115 / –	
Starter motor current / voltage - cranking	A / V	–
- locked	A / V	–

Running gearM31996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	3.0

Tyres		
Saloon	Size	225/45x17: 245/40x17
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	Refer to vehicle
- Estate / Van	bar	–

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	[0°10'±5']
Camber	-2°±30'	
Castor	7°12'±30'	
King pin inclination	–	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	[0°30'±5']
Camber	-2°41'±10'	

Torque wrench settingsM31996 to 1997

Cylinder head - stage 1	Nm	30 N
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	–
Big-end bearings	Nm	5, 20 +65°
Main bearings	Nm	–
Clutch cover	Nm	34
Flywheel [driveplate]	Nm	105 N
Front hubs	Nm	290
Rear hubs	Nm	300
Wheel nuts / bolts	Nm	100±10
Spark plugs	Nm	–

CapacitiesM31996 to 1997

Engine oil & filter	litres	8.0
Gearbox - 4-speed [5-speed]	litres	1.75
Automatic transmission - refill	litres	–
Final drive	litres	1.3
Cooling system	litres	10.75
Fuel tank	litres	62

Notes and Illustrations

