

Engine & Cooling

Fuel

Ignition

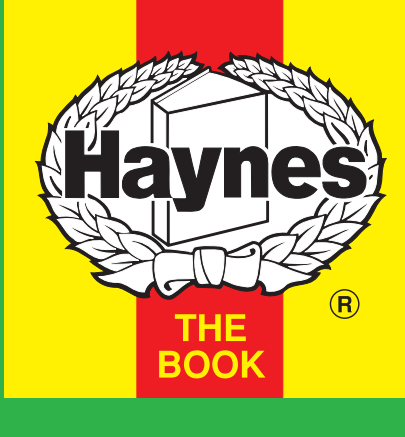
Electrical

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

968

1992 to 1996

Type		M44/43 [AT: M44/44] 176kW
Capacity (cm³) / number of cylinders		2990 / 4
Compression ratio / pressure	bar	11.0 / _
Oil pressure	bar	[≥3.0]
Oil temperature	°C	80 to 100
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	_
Radiator cap pressure	bar	_

Fuel system

968

1992 to 1996

Idle speed - manual [auto]	rpm	840±40 [880±40] N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.4 to 0.8 N/A
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		Bosch
Type / ref		DME-Motronic SEFI
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	3.6 to 4.0
Octane rating	RON	98[U]

Ignition system

968

1992 to 1996

Type		DME Motronic
Ignition coil		Bosch
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	10±3 BTDC @ idle N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Bosch
Type		WR7DTC
Electrode gap	mm	0.70

Electrical system

968

1992 to 1996

Battery	V / CC / RC	12 / 63, 64Ah. RHD: 75Ah
Alternator voltage / full load current / engine rpm		_ / 115 / _
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

968

1992 to 1996

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	205/55x16: 225/50x16 ¹
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.5
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+10'±10']
Camber		0±10'
Castor		+3°15'-45'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+10'±10'] PW
Camber		-45'±20'

Torque wrench settings

968

1992 to 1996

Cylinder head - stage 1	Nm	20 oiled
- stage 2	Nm	+ 60°
Cylinder head - stage 3	Nm	+ 60°
- stage 4	Nm	_
Big-end bearings	Nm	75
Main bearings	Nm	WSM
Clutch cover	Nm	42
Flywheel [driveplate]	Nm	90
Front hubs	Nm	WSM
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	_
Spark plugs	Nm	25

Capacities

968

1992 to 1996

Engine oil & filter	litres	7.0
Gearbox - 4-speed [5-speed]	litres	2.75
Automatic transmission - refill	litres	7.0
Final drive	litres	0.7
Cooling system	litres	8.0
Fuel tank	litres	74

Notes and Illustrations

¹Option: 225/45x17: 255/40x17