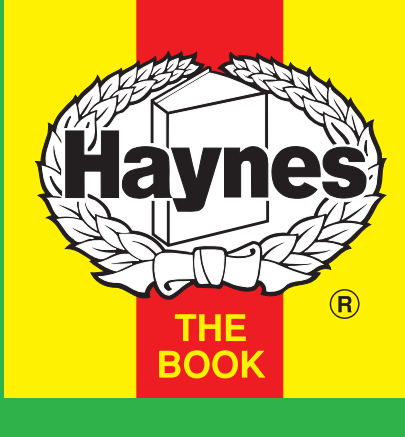


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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MENUHELP

Engine and cooling system

306, 1.4i CAT

1994 to 1997

Type	TU3MC/Z/L/L3 (KDX) 55kW	
Capacity (cm³) / number of cylinders	1360 / 4	
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	2.0 [4.0]
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 to 99
Radiator cap pressure	bar	1.4

Fuel system

306, 1.4i CAT

1994 to 1997

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	1300±50 N/A
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	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Magneti-Marelli	
Type / ref	MMG6 SPI	
Main jet / needle	_	
Injection pressure	bar	0.9 to 1.1
Pump pressure	bar	2.5
Octane rating	RON	95[U]

Ignition system

306, 1.4i CAT

1994 to 1997

Type	Electronic	
Ignition coil	2xSagem. Bosch. 4 output BAE04	
Primary resistance	ohms	0.8
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	8 BTDC @ 850±50 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	Eyquem/Champion	
Type	RFC52LS / RC9YCC²	
Electrode gap	mm	0.80

Electrical system

306, 1.4i CAT

1994 to 1997

Battery	V / CC / RC	(12L1 200)
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

306, 1.4i CAT

1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	165/70x13: 175/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 /2.3¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±0.5 PAS: +1.0±0.5
Camber	-20'±30'	
Castor	+1°45'±30'. PAS: +3°15'±30'	
King pin inclination	+11°±30'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.1±0.75
Camber	-1°20'±15'	

Torque wrench settings

306, 1.4i CAT

1994 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 120°
Cylinder head - stage 3	Nm	+ 120°
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	60 LkC
Front hubs	Nm	265
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

Capacities

306, 1.4i CAT

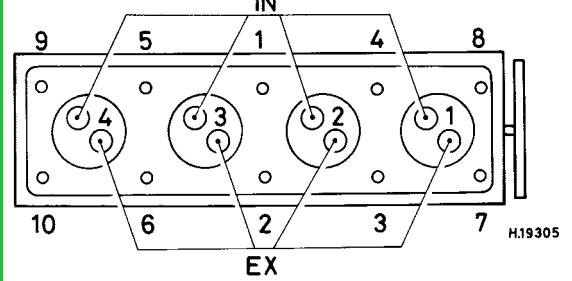
1994 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	60

Notes and Illustrations

¹175: MXV2/P4000/NTC2: 2.0 / 2.1

²96 ►: Bosch FR7LDC



1360 cm³, TU3