

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 system306, 1.4i CAT1993 to 1995

Type		TU3MC/Z/L (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 system306, 1.4i CAT1993 to 1995

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	%	≤0.4 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		MA3.0 Mono-Motronic SPI
Main jet / needle		_
Injection pressure	bar	0.9 to 1.1
Pump pressure	bar	2.5
Octane rating	RON	95[U]

Ignition system306, 1.4i CAT1993 to 1995

Type		Static
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	_
	° 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 / RC9YCC
Electrode gap	mm	0.80

Electrical system306, 1.4i CAT1993 to 1995

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 gear306, 1.4i CAT1993 to 1995

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 settings306, 1.4i CAT1993 to 1995

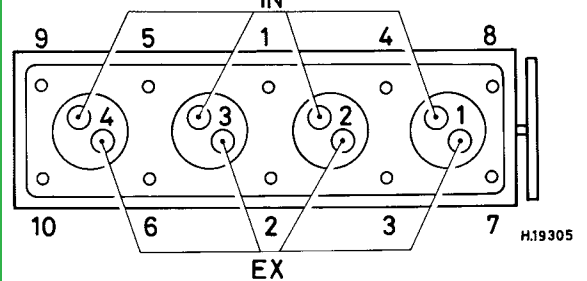
Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 120°
Cylinder head - stage 3	Nm	+ 120°
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	60 LkC
Front hubs	Nm	265
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

Capacities306, 1.4i CAT1993 to 1995

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



1360 cm³, TU3