

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

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## Engine and cooling system 106, 1.4i CAT 1991 to 1993

Type	TU3F.M/Z (KDY.2) (55kW)	
Capacity (cm <sup>3</sup> ) / number of cylinders	1360 / 4	
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	1.5 [3.0]
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	88
Radiator cap pressure	bar	1.4

## Fuel system 106, 1.4i CAT 1991 to 1993

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	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	Mono-Jetronic A2.2	
Main jet / needle	_	
Injection pressure	bar	1.0 to 1.2
Pump pressure	bar	2.5
Octane rating	RON	95[U]

## Ignition system 106, 1.4i CAT 1991 to 1993

Type	Electronic	
Ignition coil	_	
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 900
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C060-D049
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	6 to 8 @ 1000
	° Crankshaft @ rpm	18 to 22 @ 3800
	° Crankshaft @ rpm	30 to 34 @ 6200
Vacuum range check	mbar	215 to 640
Maximum vacuum advance	° Crankshaft	20 to 24
Spark plugs	Eyquem/Champion	
Type	RFC52LS / RC9YCC	
Electrode gap	mm	0.80

## Electrical system 106, 1.4i CAT 1991 to 1993

Battery	V / CC / RC	12 / 200 or 250 / 33Ah
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 106, 1.4i CAT 1991 to 1993

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

<b>Tyres</b>		
Saloon	Size	155/70x13: 165/65x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	_

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+0.5±0.5 PW
Camber		-46'±30'
Castor		+2°15'±30'
King pin inclination		+12°49'±40'

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.95±0.9 PW
Camber		-1°34'±30'

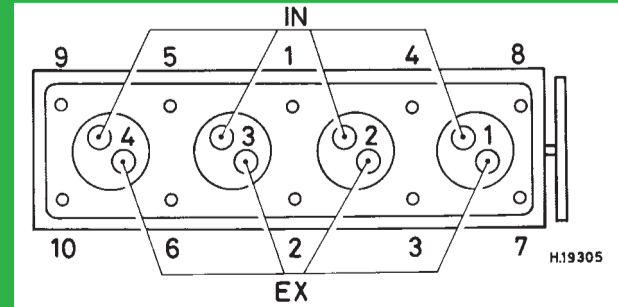
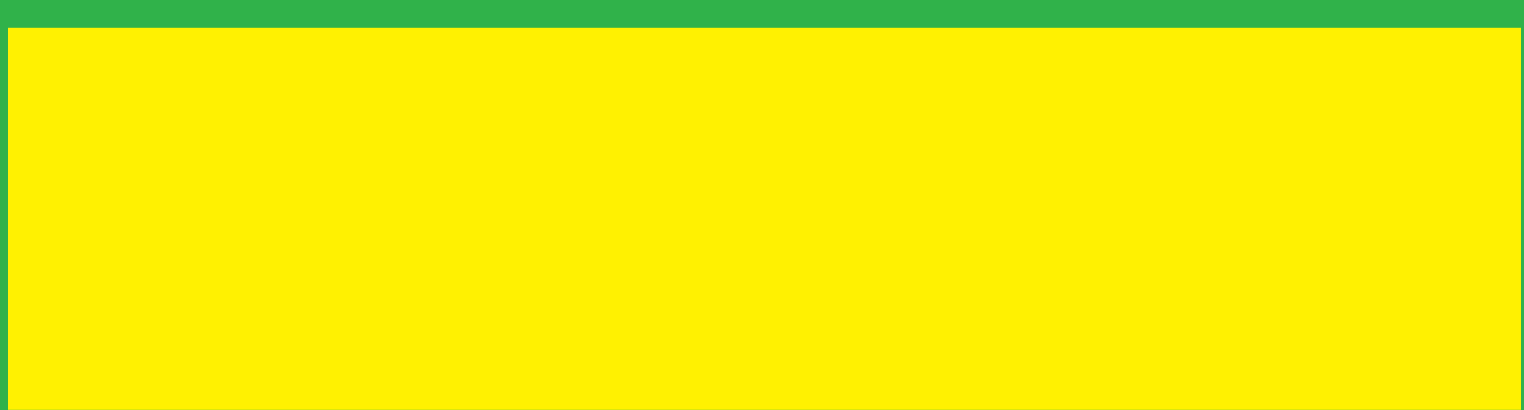
## Torque wrench settings 106, 1.4i CAT 1991 to 1993

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	WSM
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	60 LkC
Front hubs	Nm	250
Rear hubs	Nm	140
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

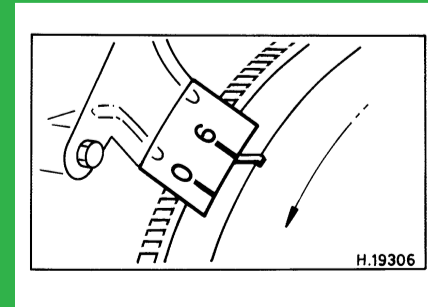
## Capacities 106, 1.4i CAT 1991 to 1993

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	6.0
Fuel tank	litres	45

## Notes and Illustrations



1360 cm<sup>3</sup>, TU3



1360 cm<sup>3</sup>, TU3