

Engine & Cooling

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Automotive Technical
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Engine and cooling system406, 2.0 16V1995 to 1997

Type		XU10J4RL/Z/L3 RFV/R6E DOHC 16V
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	10.4 /
Oil pressure	bar	3.0 (5.0)
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hydraulic adjusters
Valve clearance - exhaust	mm	0: Hydraulic adjusters
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	83
Radiator cap pressure	bar	1.4

Fuel system406, 2.0 16V1995 to 1997

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 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		MP5.1.1
Main jet / needle		—
Injection pressure	bar	2.7 to 3.3
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system406, 2.0 16V1995 to 1997

Type		Motronic
Ignition coil		—
Primary resistance	ohms	—
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	Computer control 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/Champion
Type		FR8LDC / RC9YCC
Electrode gap	mm	0.90

Electrical system406, 2.0 16V1995 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		—
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear406, 2.0 16V1995 to 1997

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

Tyres		
Saloon	Size	195/65x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0.0±0.5
Camber		0°±30'
Castor		3°30'±30'
King pin inclination		11°30'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	1.5±0.5
Camber		1°50'±30'

Torque wrench settings406, 2.0 16V1995 to 1997

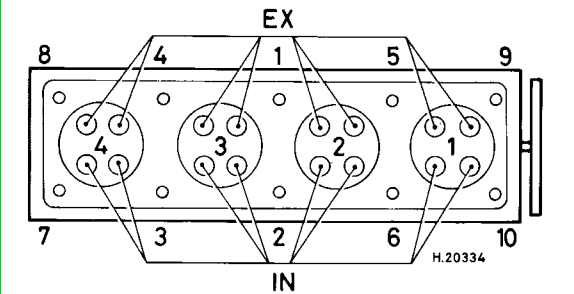
Cylinder head - stage 1	Nm	35 ¹
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+160°
- stage 4	Nm	—
Big-end bearings	Nm	20 +70°
Main bearings	Nm	70
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	50 LcK
Front hubs	Nm	325
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	27

Capacities406, 2.0 16V1995 to 1997

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.8
Fuel tank	litres	70

Notes and Illustrations

¹Bolt shank length ≤112 mm



1998 cm³, 16V