

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system605, 2.0i CAT1990 to 1995

Type		XU10J2Z (RFZ) (89kW)
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	8.8 / _
Oil pressure	bar	1.7 [4.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89 to 101
Radiator cap pressure	bar	1.4

Fuel system605, 2.0i CAT1990 to 1995

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	2.5±0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		Motronic MP3.1
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition system605, 2.0i CAT1990 to 1995

Type		DME Motronic
Ignition coil		Valeo. Bosch ¹
Primary resistance	ohms	0.7. 91 ►: 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C059-D045
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 4 @ 1300
	° Crankshaft @ rpm	22 to 26 @ 3000
	° Crankshaft @ rpm	20 to 26 @ 6000
Vacuum range check	mbar	288 to 332
Maximum vacuum advance	° Crankshaft	5 to 9
Spark plugs		Eyquem/Champion
Type		RFC52LS / RC9YCC
Electrode gap	mm	0.80±0.05

Electrical system605, 2.0i CAT1990 to 1995

Battery	V / CC / RC	(12L1 300, 12L2 400)
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear605, 2.0i CAT1990 to 1995

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

Tyres		
Saloon	Size	195/65x15: 205/60x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.71±0.5
Camber		-18'±30'
Castor		+2°35'±30'
King pin inclination		+13°38'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.14±0.3 PW
Camber		-1°29'±30'

Torque wrench settings605, 2.0i CAT1990 to 1995

Cylinder head - stage 1	Nm	35
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+ 160°
- stage 4	Nm	_
Big-end bearings	Nm	40 ³
Main bearings	Nm	70
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	345
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	27

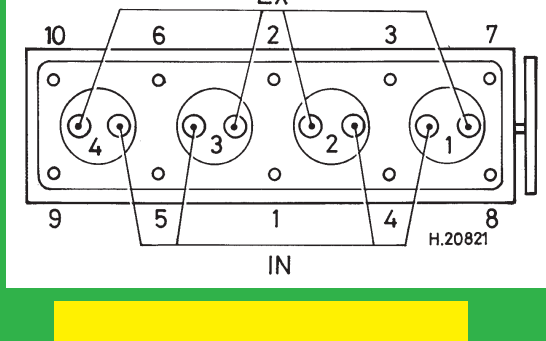
Capacities605, 2.0i CAT1990 to 1995

Engine oil & filter	litres	5.0. 93 ►: 4.5
Gearbox - 4-speed [5-speed]	litres	1.9. 91 ►: 2.0
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	7.3 [7.8]
Fuel tank	litres	80

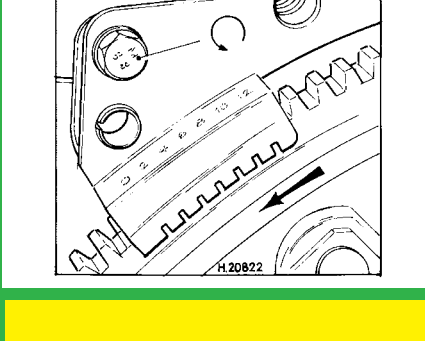
Notes and Illustrations

¹91 ► with static ignition: twin coils

³Slacken, then 20 + 70°



1998 cm³, 8V



1998 cm³, 8V