

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 system405, 2.0i & 4x4 CAT1992 to 1997

Type		XU10J2C/Z (RFX) 89kW SOHC 8V
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[4.4 to 5.2]
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 system405, 2.0i & 4x4 CAT1992 to 1997

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
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		MM8P MPI
Main jet / needle		_
Injection pressure	bar	2.5
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition system405, 2.0i & 4x4 CAT1992 to 1997

Type		Static
Ignition coil		2x Bosch. Valeo BAE 04
Primary resistance	ohms	0.7
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	[10 to 12 BTDC] 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 / RC9YCC
Electrode gap	mm	0.80±0.05

Electrical system405, 2.0i & 4x4 CAT1992 to 1997

Battery	V / CC / RC	(12L1 250. AT: 12L1 300)
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear405, 2.0i & 4x4 CAT1992 to 1997

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

Tyres		
Saloon	Size	185/65x14: 175/70x14
Estate / Van	Size	185/65x14: 175/70x14
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	2.1 / 2.2

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5 PW
Camber		0±30'
Castor		+3°30'±30'. Estate: +2°10'±30'
King pin inclination		+11°30'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.75±0.8¹ PW
Camber		-1°30'±30'

Torque wrench settings405, 2.0i & 4x4 CAT1992 to 1997

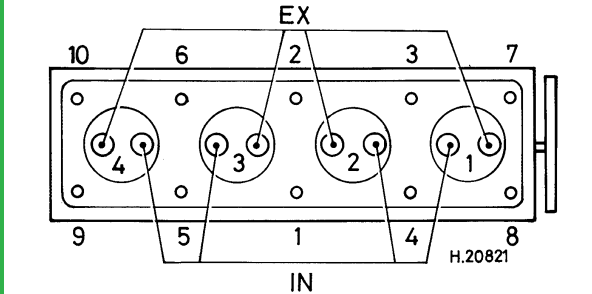
Cylinder head - stage 1	Nm	35: Bolts ≤122mm
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+ 160°
- stage 4	Nm	_
Big-end bearings	Nm	40²
Main bearings	Nm	70
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	320
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	27

Capacities405, 2.0i & 4x4 CAT1992 to 1997

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	2.0. Transfer: 1.8
Automatic transmission - refill	litres	2.4
Final drive	litres	4x4: 1.6
Cooling system	litres	7.0
Fuel tank	litres	70

Notes and Illustrations

- ¹Estate: +1.0±0.8
- ²Slacken, then 20 + 70°



1998 cm³, 8V