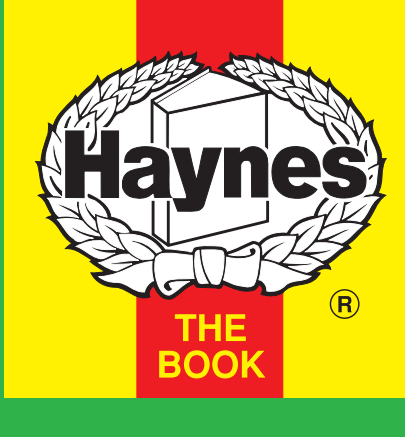


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

405, 1.6i CAT1992 to 1993

Type		XU5M3/L/Z (BDY) 65kW US83
Capacity (cm³) / number of cylinders		1580 / 4
Compression ratio / pressure	bar	8.95 / _
Oil pressure	bar	1.4 [3.5]
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	MT: 88 to 100. AT: 82 to 94
Radiator cap pressure	bar	1.0

Fuel system

405, 1.6i CAT1992 to 1993

Idle speed - manual [auto]	rpm	800±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		MMFD Monopoint G6 SPI
Main jet / needle		_
Injection pressure	bar	0.70 to 0.90
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

405, 1.6i CAT1992 to 1993

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	Computer control
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 / C9YCX
Electrode gap	mm	0.80±0.05

Electrical system

405, 1.6i CAT1992 to 1993

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 gear

405, 1.6i CAT1992 to 1993

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

Tyres		
Saloon	Size	_
Estate / Van	Size	175/70x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.1 / 2.3

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

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.8 PW
Camber		-1°30'±30'

Torque wrench settings

405, 1.6i CAT1992 to 1993

Cylinder head - stage 1	Nm	60: Bolts ≤176.5mm
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	40 ¹
Main bearings	Nm	49
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	49 LkC
Front hubs	Nm	320
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	25 to 30

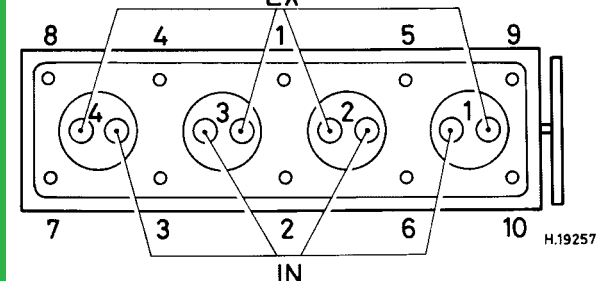
Capacities

405, 1.6i CAT1992 to 1993

Engine oil & filter	litres	4.75
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	6.6
Fuel tank	litres	70

Notes and Illustrations

¹Slacken, then 20 + 70°



1580 cm³