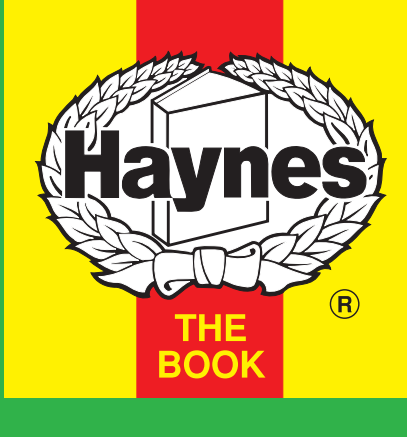


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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

305, 19051984 to 1988

Type		XU9S (159A) (75kW) ¹
Capacity (cm³) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	2.1 [4.1]
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	82
Radiator cap pressure	bar	0.8

Fuel system

305, 19051984 to 1988

Idle speed - manual [auto]	rpm	600 to 750
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex
Type / ref		34-34 CISAC. 34-34 Z1, XU92C
Main jet / needle		CIS: 115, 122.5. Z1: 115, 115
Injection pressure	bar	_
Pump pressure	bar	0.33
Octane rating	RON	97[L]

Ignition system

305, 19051984 to 1988

Type		Electronic
Ignition coil		_
Primary resistance	ohms	0.85
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C001-D001
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	8 to 14 @ 1000
	° Crankshaft @ rpm	10 to 18 @ 1200
	° Crankshaft @ rpm	22 to 26 @ 3000
Vacuum range check	mbar	213 to 533
Maximum vacuum advance	° Crankshaft	23 to 27
Spark plugs		Bosch/Champion
Type		H6DC / S279YC
Electrode gap	mm	0.60

Electrical system

305, 19051984 to 1988

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 2500
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

305, 19051984 to 1988

Brakes -		
Front (min. friction material thickness)	mm	2.5
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	1.9 / 2.0
- Estate / Van	bar	1.8 / 2.2

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+4.0±1.0
Camber		+25'±30'
Castor		+1°45'±30'
King pin inclination		+9°20'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+4.3±2.0²
Camber		-1°±30' [Estate: -10'±10']

Torque wrench settings

305, 19051984 to 1988

Cylinder head - stage 1	Nm	60³
- stage 2	Nm	Slacken each bolt in turn³
Cylinder head - stage 3	Nm	20³
- stage 4	Nm	+ 120°³
Big-end bearings	Nm	40⁴
Main bearings	Nm	50
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	250
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	80. Alloy: 90
Spark plugs	Nm	18

Capacities

305, 19051984 to 1988

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	6.7
Fuel tank	litres	56. Estate: 50

Notes and Illustrations

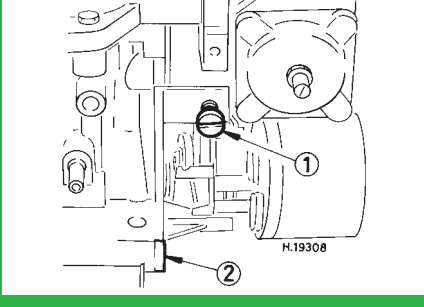
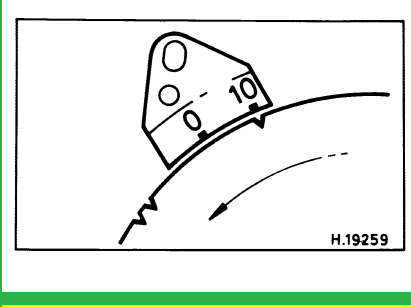
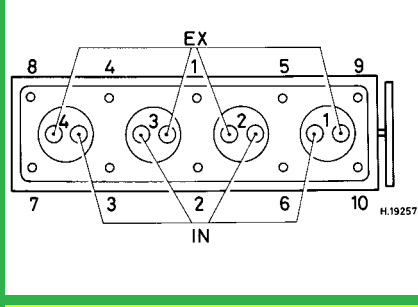
¹87 ►: XU92C (D2A) 78kW

²Estate: +0.8±2.0

³04.87 ► Torx bolts: 60, slacken then 20 + 300°

⁴Slacken, then 20 + 70°

1: Idle speed2: CO / Mixture



1905 cm³1905 cm³Solex CISAC / Z1