

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

305 Van & Estate, 1472

1983 to 1988

Type		XR5 (142) (53kW)
Capacity (cm³) / number of cylinders		1472 / 4
Compression ratio / pressure	bar	9.2 / 11.5
Oil pressure	bar	1.5 [3.7]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
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 Van & Estate, 1472

1983 to 1988

Idle speed - manual [auto]	rpm	700±50
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 PBISA 14 or 16
Main jet / needle		132±5
Injection pressure	bar	—
Pump pressure	bar	0.25
Octane rating	RON	97[L]

Ignition system

305 Van & Estate, 1472

1983 to 1988

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.85
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Ducellier
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	M150E
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	8 to 13 @ 1300
	° Crankshaft @ rpm	23 to 28 @ 2500
	° Crankshaft @ rpm	26 to 31 @ 3200
Vacuum range check	mbar	107 to 293
Maximum vacuum advance	° Crankshaft	25 to 27
Spark plugs		Bosch/Champion
Type		H7DC / S281YC
Electrode gap	mm	0.60 ¹

Electrical system

305 Van & Estate, 1472

1983 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 Van & Estate, 1472

1983 to 1988

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

Tyres		
Saloon	Size	—
Estate / Van	Size	155x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.7 / 2.1

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±1.0 ²
Camber		+25'±30'
Castor		+1°45'±30'
King pin inclination		+9°20'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+0.8±2.0
Camber		-10'±10'

Torque wrench settings

305 Van & Estate, 1472

1983 to 1988

Cylinder head - stage 1	Nm	50 ³
- stage 2	Nm	75
Cylinder head - stage 3	Nm	Warm up
- stage 4	Nm	+ 35°
Big-end bearings	Nm	38
Main bearings	Nm	53
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	90
Front hubs	Nm	250
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	18

Capacities

305 Van & Estate, 1472

1983 to 1988

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	With engine
Automatic transmission - refill	litres	—
Final drive	litres	With engine
Cooling system	litres	5.8
Fuel tank	litres	50 or 53

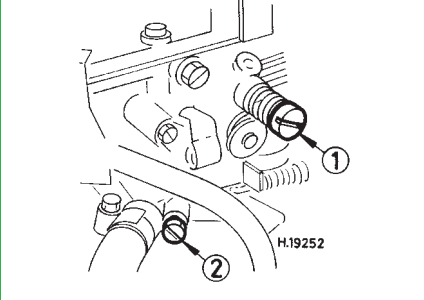
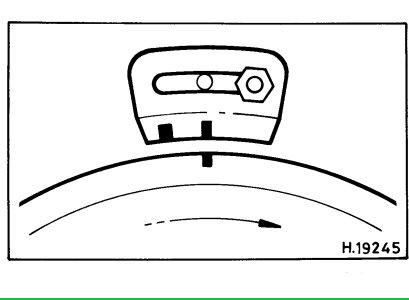
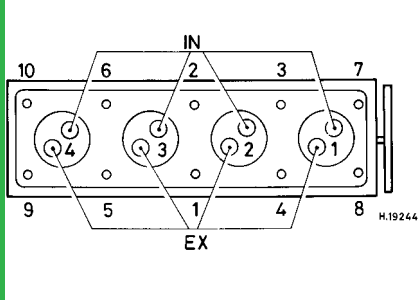
Notes and Illustrations

¹1988 MY: 0.80

²9030082 ►: +4.0±1.0

³Replace head bolts with 10-9 type if they are 8-8 type

1: Idle speed2: CO / Mixture



1472 cm³1472 cm³Solex PBISA