

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 systemSaxo 1.61996 to 1997

Type		TU5JP/L3 (NFZ) 65kW
Capacity (cm³) / number of cylinders		1587 / 4
Compression ratio / pressure	bar	9.6 / _
Oil pressure	bar	[≥4.0]
Oil temperature	°C	90
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	88
Radiator cap pressure	bar	1.4

Fuel systemSaxo 1.61996 to 1997

Idle speed - manual [auto]	rpm	850±50. A/C: 900±50 N/A
Fast idle speed - manual [auto]	rpm	1300 to 2500
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥11.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_ Bosch
Type / ref		MA5.1 Motronic [AT: MP5.2]
Main jet / needle		_
Injection pressure	bar	2.0 to 2.5
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition systemSaxo 1.61996 to 1997

Type		Motronic
Ignition coil		Bosch / Bendix BAE 04
Primary resistance	ohms	0.8
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	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		Bosch/Eyquem
Type		FR6KDC / RFC58LZ2E
Electrode gap	mm	0.90

Electrical systemSaxo 1.61996 to 1997

Battery	V / CC / RC	_
Alternator voltage / full load current / engine rpm		_
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gearSaxo 1.61996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	Drum: 1.0

Tyres		
Saloon	Size	165/65x14: 185/55x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to -3.0. PAS: +1.0 to 3.0
Camber		-40'±30'
Castor		+2°13'±30'. PAS: +3°14'±30'
King pin inclination		+12°41'±40'. PAS: +12°42'±40'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.49 to 6.39
Camber		-59'±20'

Torque wrench settingsSaxo 1.61996 to 1997

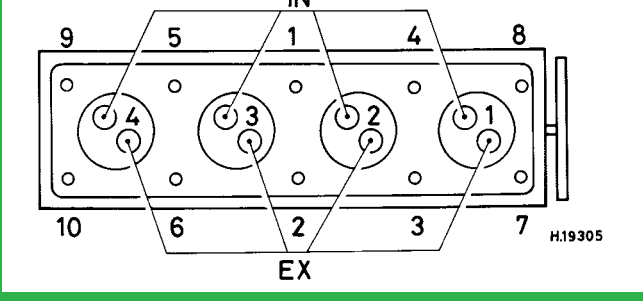
Cylinder head - stage 1	Nm	Bolts ≤176.5mm
- stage 2	Nm	20 oiled
Cylinder head - stage 3	Nm	+ 240±5°
- stage 4	Nm	_
Big-end bearings	Nm	38
Main bearings	Nm	20 + 50°
Clutch cover	Nm	13
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	25

CapacitiesSaxo 1.61996 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	6.1
Fuel tank	litres	45

Notes and Illustrations

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1587 cm³ SOHC 8V