

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemVisa 11 & Convertible1983 to 1989

Type		XW7 (109/5F)
Capacity (cm³) / number of cylinders		1124 / 4
Compression ratio / pressure	bar	9.7 / _
Oil pressure	bar	[3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10 to 0.15
Valve clearance - exhaust	mm	0.20 to 0.30
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.80

Fuel systemVisa 11 & Convertible1983 to 1989

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex
Type / ref		32 PBISA 12
Main jet / needle		120
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	97[L]

Ignition systemVisa 11 & Convertible1983 to 1989

Type		Electronic
Ignition coil		Ducellier, Bosch
Primary resistance	ohms	0.7 to 0.94
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	12.0
Distributor		Bosch/Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	VA5-VD5
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 5 @ 1700
	° Crankshaft @ rpm	12 to 17 @ 3000
	° Crankshaft @ rpm	20 to 24 @ 4400
Vacuum range check	mbar	30 to 250
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs		AC/Champion
Type		C42LTS / S281YC
Electrode gap	mm	0.60 to 0.70

Electrical systemVisa 11 & Convertible1983 to 1989

Battery	V / CC / RC	12 / _
Alternator voltage / full load current / engine rpm		13.5 / _ / 4000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gearVisa 11 & Convertible1983 to 1989

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

Tyres		
Saloon	Size	145x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.7 / 1.9
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +2.0
Camber		+34'±30'
Castor		+1°54'±30'
King pin inclination		+9°20'±40'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 4.0
Camber		-1°±30'

Torque wrench settingsVisa 11 & Convertible1983 to 1989

Cylinder head - stage 1	Nm	40
- stage 2	Nm	65 to 70¹
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	38
Main bearings	Nm	53
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	68
Front hubs	Nm	250
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	60 to 80²
Spark plugs	Nm	10 to 13

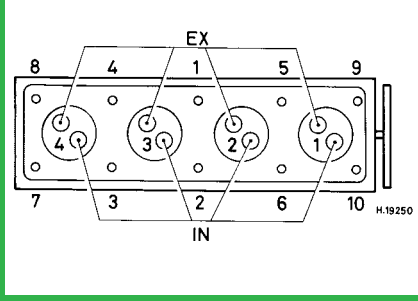
CapacitiesVisa 11 & Convertible1983 to 1989

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	With engine
Automatic transmission - refill	litres	_
Final drive	litres	With engine
Cooling system	litres	6.5. 5 spd: 7.0
Fuel tank	litres	40

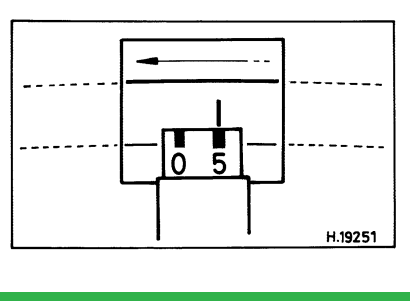
Notes and Illustrations

¹►44 200. 44201 ►: 76
²Alloy: 75 to 85

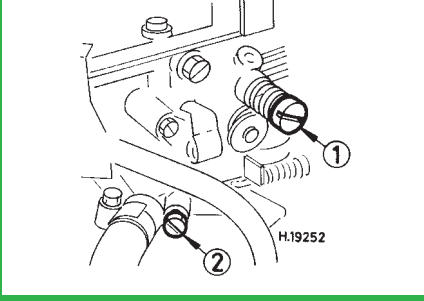
1: Idle speed 2: CO / Mixture



1124 cm³



1124 cm³



Solex 32 PBISA 12