

[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 system BX 16 1984 to 1988

Type		XU5S (171C)
Capacity (cm ³) / number of cylinders		1580 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[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	82
Radiator cap pressure	bar	1.0

Fuel system BX 16 1984 to 1988

Idle speed - manual [auto]	rpm	650±50
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	≤100
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥10.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex/Weber
Type / ref		S: 32-34 Z1. W: 32-34DRTC
Main jet / needle		S: 140, 120. W: 107, 112
Injection pressure	bar	_
Pump pressure	bar	≥0.27
Octane rating	RON	98[RA] ¹

Ignition system BX 16 1984 to 1988

Type		Electronic - Hall effect
Ignition coil		Bosch, Ducellier
Primary resistance	ohms	B: 0.82±10%. D: 0.8±5%
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier/Bosch
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 850 ¹
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	M148E
	° Crankshaft @ rpm	23 to 27 @ 3000
	° Crankshaft @ rpm	34 to 38 @ 5200
Centrifugal check.	° Crankshaft @ rpm	0 to 6 @ 1200
	° Crankshaft @ rpm	13 to 17 @ 3000
	° Crankshaft @ rpm	24 to 28 @ 5200
Vacuum range check	mbar	100 to 460
Maximum vacuum advance	° Crankshaft	20 to 24
Spark plugs		Bosch/Champion
Type		H6DC / S279YC ²
Electrode gap	mm	0.60 to 0.70

Electrical system BX 16 1984 to 1988

Battery	V / CC / RC	12 / 225 / 45 or / 200 / 33
Alternator voltage / full load current / engine rpm		13.8 to 14.5 / _ / 3600
Starter motor current / voltage - cranking	A / V	220 / _
- locked	A / V	350 / _

Running gear BX 16 1984 to 1988

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

Tyres		
Saloon	Size	155x14: 165/70x14: 170/65x365
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	165x14: 2.0 / 2.0 ³
- Estate / Van	bar	2.3 / 2.5

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30'
Castor		+2°±35'
King pin inclination		+11°58'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +5.0
Camber		-9'±20' [88 ▶: -1°±20']

Torque wrench settings BX 16 1984 to 1988

Cylinder head - stage 1	Nm	60, then slacken ⁴
- stage 2	Nm	20 + 120° ⁴
Cylinder head - stage 3	Nm	Warm up, then cool, slacken ⁴
- stage 4	Nm	20 + 120° ⁴
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	12 ²

Capacities BX 16 1984 to 1988

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	2.5
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	52

Notes and Illustrations

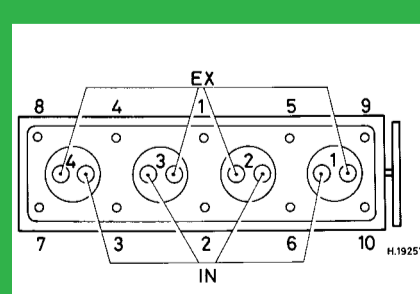
¹[E 95 RON]: 8 BTDC @ 850

²04.88 ▶: FC62LS / C7YCX. TWS: 25

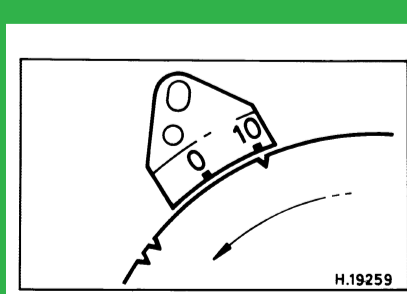
³170/65x365: 1.9 / 2.1. 155x14: 2.2 / 2.2

⁴1987 ▶: Torx type: 60, then slacken. 20 + 300°

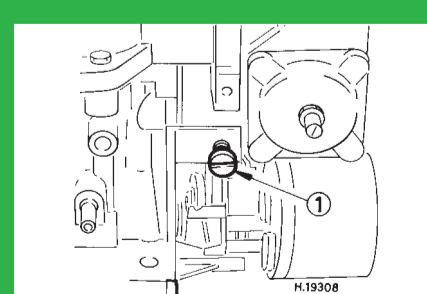
1: Idle speed 2: CO / Mixture



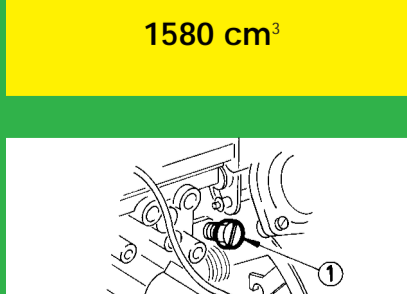
1580 cm³



1580 cm³



Solex Z1



Weber DRTC