

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 system309, 1.91992

Type		XU92C (D2H) 80kW
Capacity (cm³) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.0 / _
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 to 93
Radiator cap pressure	bar	1.0

Fuel system309, 1.91992

Idle speed - manual [auto]	rpm	750±100
Fast idle speed - manual [auto]	rpm	850±100
CO @ idle speed [3000 rpm] - see page VI	%	0.8 to 1.5
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 Z1 543/544
Main jet / needle		115, 122
Injection pressure	bar	_
Pump pressure	bar	0.32
Octane rating	RON	95[E 95 RON]

Ignition system309, 1.91992

Type		Electronic
Ignition coil		_
Primary resistance	ohms	0.7
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 @ 750
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	C032-D020
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	12 to 14 @ 1400
	° Crankshaft @ rpm	16 to 20 @ 2000
	° Crankshaft @ rpm	29.5 to 35.5 @ 5600
Vacuum range check	mbar	153 to 400
Maximum vacuum advance	° Crankshaft	24 to 28
Spark plugs		Eyquem/Champion
Type		FC58LS / C7YCX
Electrode gap	mm	0.80

Electrical system309, 1.91992

Battery	V / CC / RC	(12L1 200)
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear309, 1.91992

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

Tyres		
Saloon	Size	165/70x13: 175/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5
Camber		-40'±30'
Castor		+2°10'±30'
King pin inclination		+10°40'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.5±1.25 PW
Camber		-1°15'±30'

Torque wrench settings309, 1.91992

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	40 ¹
Main bearings	Nm	49
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	49 LkC
Front hubs	Nm	265
Rear hubs	Nm	215
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	27

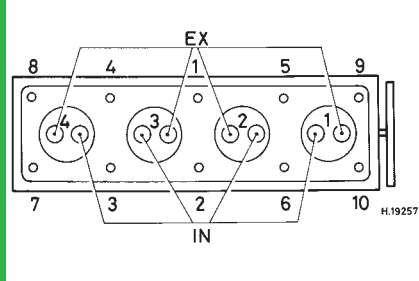
Capacities309, 1.91992

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	55

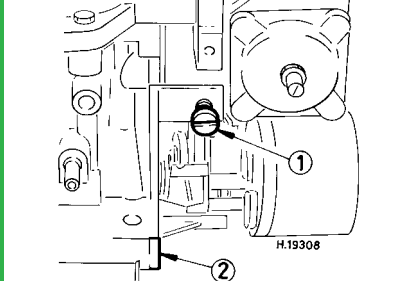
Notes and Illustrations

¹Slacken, then 20 + 70°

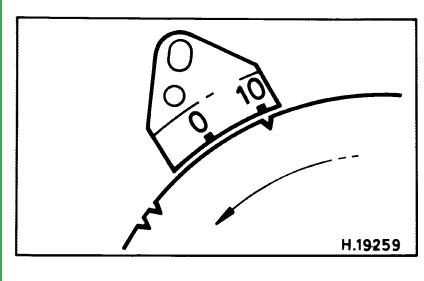
1: Idle speed 2: CO / Mixture



1905 cm³, 8V



Solex Z1



1905 cm³, 8V