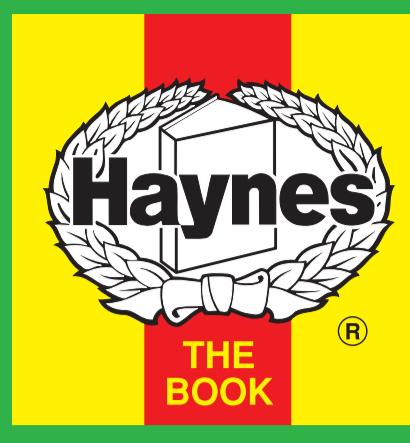


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 309, 1.6 1988 to 1990

Type	XU52C (B2A) (68kW)	
Capacity (cm ³) / number of cylinders	1580 / 4	
Compression ratio / pressure	bar	8.95 / _
Oil pressure	bar	1.4 [3.5]
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
Radiator cap pressure	bar	1.0

Fuel system 309, 1.6 1988 to 1990

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.8 to 1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex	
Type / ref	34-34 Z1 473/485	
Main jet / needle	112±5, 130±5	
Injection pressure	bar	_
Pump pressure	bar	0.32
Octane rating	RON	95[E 95 RON]

Ignition system 309, 1.6 1988 to 1990

Type	Electronic	
Ignition coil	_	
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 700
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C005-D005
Centrifugal check.	° Crankshaft @ rpm	10 to 16 @ 1200
Vacuum range check	mbar	159 to 345
Maximum vacuum advance	° Crankshaft	10 to 12
Spark plugs	Eyquem/Champion	
Type	FC58LS / C7YCX	
Electrode gap	mm	0.80

Electrical system 309, 1.6 1988 to 1990

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear 309, 1.6 1988 to 1990

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

Tyres		
Saloon	Size	165/70x13: 155x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5±0.5 PW
Camber		-30'±30'
Castor		+2°±30'
King pin inclination		+10°15'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.6±0.8 PW
Camber		-50'±30'

Torque wrench settings 309, 1.6 1988 to 1990

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	10 to 20

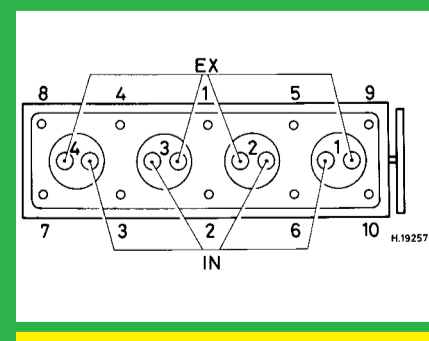
Capacities 309, 1.6 1988 to 1990

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	55

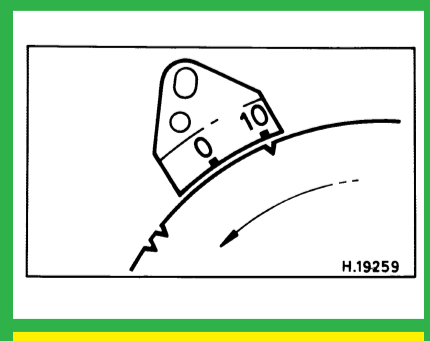
Notes and Illustrations

¹Slacken, 20 + 70°

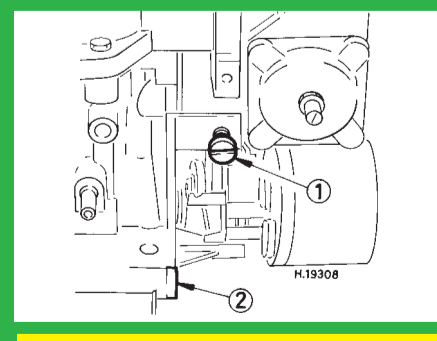
1: Idle speed 2: CO / Mixture



1580 cm³



1580 cm³



Solex Z1