

Engine & Cooling

Fuel

Ignition

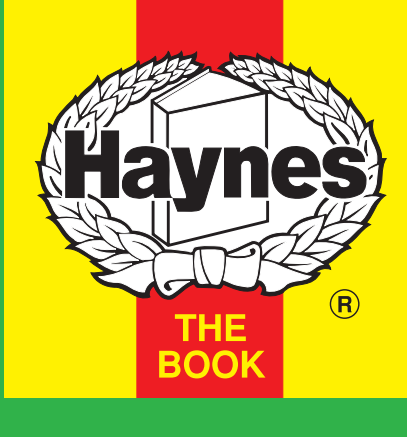
Electrical

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 systemBX 141983 to 1988

Type	XY6C (150A)	
Capacity (cm ³) / number of cylinders	1360 / 4	
Compression ratio / pressure	bar	9.3 / _
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	1.0

Fuel systemBX 141983 to 1988

Idle speed - manual [auto]	rpm	700±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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥9.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex	
Type / ref	30-30 Z2 CIT 329	
Main jet / needle	112.5, 125	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[L]

Ignition systemBX 141983 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	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 850
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	XA1-XD1
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 800 to 1600
	° Crankshaft @ rpm	12 to 18 @ 3000
	° Crankshaft @ rpm	20 to 26 @ 5400
Vacuum range check	mbar	80 to 350
Maximum vacuum advance	° Crankshaft	18 to 24
Spark plugs	Bosch/Champion	
Type	H7DC / S281YC	
Electrode gap	mm	0.60 to 0.70

Electrical systemBX 141983 to 1988

Battery	V / CC / RC	12 / 175 / 35 or / 175 / 29
Alternator voltage / full load current / engine rpm	13.8 to 14.5 / _ / 3600	
Starter motor current / voltage - cranking	A / V	220 to 250 / _
- locked	A / V	350 / _

Running gearBX 141983 to 1988

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

Tyres		
Saloon	Size	145x14:165/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 2.0
- Estate / Van	bar	_

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 settingsBX 141983 to 1988

Cylinder head - stage 1	Nm	50
- stage 2	Nm	75
Cylinder head - stage 3	Nm	Warm up, then cool down
- stage 4	Nm	Slacken, then 78
Big-end bearings	Nm	38
Main bearings	Nm	38 then 53
Clutch cover	Nm	10
Flywheel [driveplate]	Nm	68 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	12

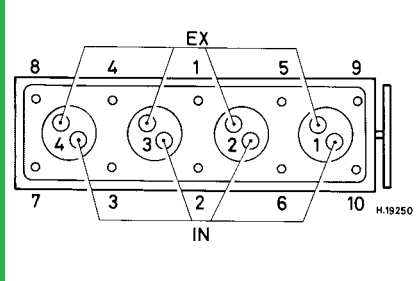
CapacitiesBX 141983 to 1988

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	With engine
Automatic transmission - refill	litres	_
Final drive	litres	With engine
Cooling system	litres	6.5
Fuel tank	litres	44

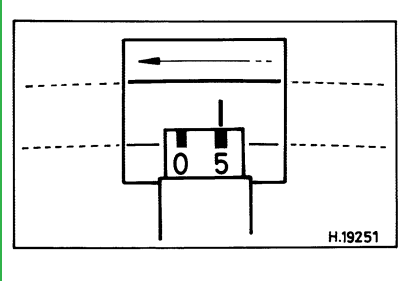
Notes and Illustrations



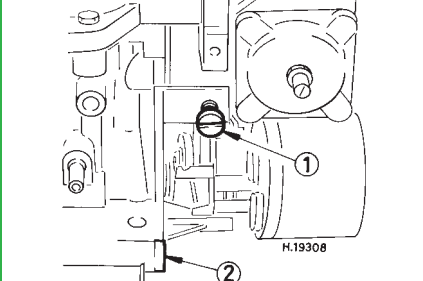
1: Idle speed 2: CO / Mixture



1360 cm³



1360 cm³



Solex Z2