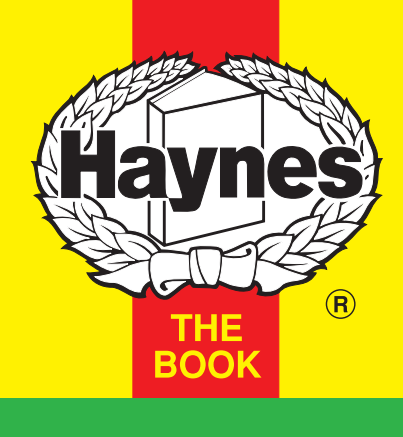




Automotive
Technical
DATA
BOOK

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 19

1987 to 1989

Type	XU9 (D2A/159A)	
Capacity (cm ³) / number of cylinders	1905 / 4	
Compression ratio / pressure	bar	9.3 / _
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 19

1987 to 1989

Idle speed - manual [auto]	rpm	650 to 700 [650 to 750]
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	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex/Weber	
Type / ref	S: 34-34 Z1. W: 34-34 DRTC	
Main jet / needle	S: 115, 115. W: 110, 125	
Injection pressure	bar	_
Pump pressure	bar	≥0.27
Octane rating	RON	97[RA] ¹

Ignition system

BX 19

1987 to 1989

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	C001-D001
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 900 to 1100
	° Crankshaft @ rpm	12 to 16 @ 3000
	° Crankshaft @ rpm	17 to 21 @ 5000
Vacuum range check	mbar	80 to 540
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs	Bosch/Champion ²	
Type	H6DC / S279YC ²	
Electrode gap	mm	0.60 to 0.70

Electrical system

BX 19

1987 to 1989

Battery	V / CC / RC	12 / 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	310 to 350 / _

Running gear

BX 19

1987 to 1989

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

Tyres		
Saloon	Size	165/70x14
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	2.0 / 2.2
- 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 19

1987 to 1989

Cylinder head - stage 1	Nm	60, then slacken ³
- stage 2	Nm	20 + 120 ^{o3}
Cylinder head - stage 3	Nm	Warm up, then cool, slacken ³
- stage 4	Nm	20 + 120 ^{o3}
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 19

1987 to 1989

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	2.5
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	66. Estate: 52

Notes and Illustrations

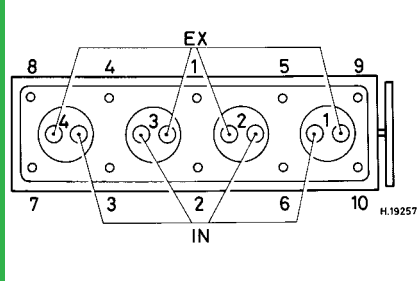
¹[E 95 RON]: 7 BTDC @ 850

²07.87 ►: FC52LS / C9YCX. TWS: 25

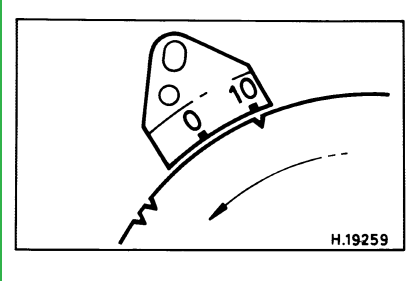
³1987 ►: Torx type: 60, then slacken. 20 + 300°

1: Idle speed

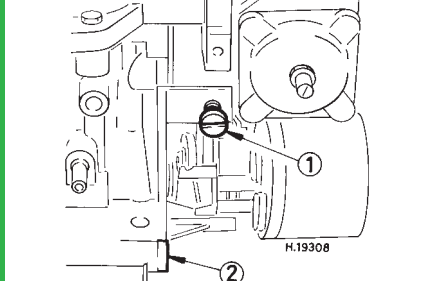
2: CO / Mixture



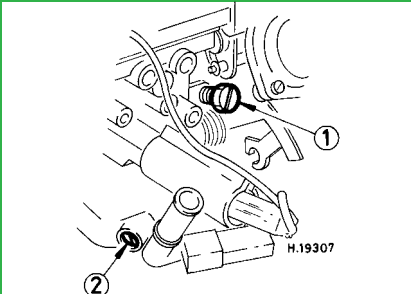
1905 cm³, 8V



1905 cm³, 8V



Solex Z1



Weber DRTC