

Engine & Cooling

Fuel

Ignition

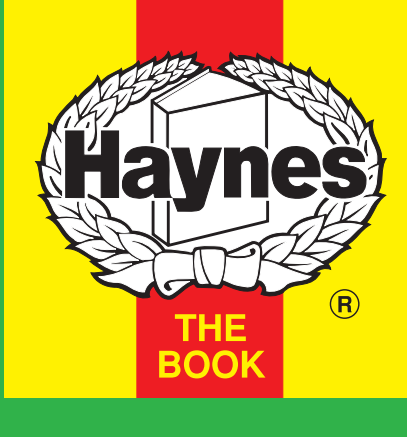
Electrical

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 16 RE1987 to 1990

Type		XU51C (B1A/A) 52kW
Capacity (cm³) / number of cylinders		1580 / 4
Compression ratio / pressure	bar	9.35 / _
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 systemBX 16 RE1987 to 1990

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	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		36 TLP 1 / 100
Main jet / needle		140 to 145
Injection pressure	bar	_
Pump pressure	bar	≥0.27
Octane rating	RON	97[L]

Ignition systemBX 16 RE1987 to 1990

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 @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C023-D018
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 800 to 1200
	° Crankshaft @ rpm	17 to 21 @ 3000
	° Crankshaft @ rpm	24 to 28 @ 5200
Vacuum range check	mbar	80 to 530
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs		Eyquem/Champion
Type		C62LJS / S279YC¹
Electrode gap	mm	0.60 to 0.70

Electrical systemBX 16 RE1987 to 1990

Battery	V / CC / RC	12 / 225 / 45 or / 200 / 33
Alternator voltage / full load current / engine rpm		13.5 / 50 / 3650
Starter motor current / voltage - cranking	A / V	220 / _
- locked	A / V	350 / _

Running gearBX 16 RE1987 to 1990

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

Tyres		
Saloon	Size	165/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 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 16 RE1987 to 1990

Cylinder head - stage 1	Nm	60, then slacken²
- stage 2	Nm	20 + 120°²
Cylinder head - stage 3	Nm	Warm up, then cool, slacken²
- stage 4	Nm	20 + 120°²
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	10 to 13¹

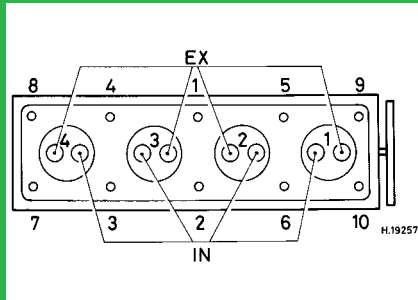
CapacitiesBX 16 RE1987 to 1990

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	52

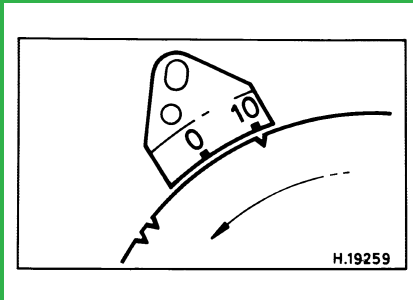
Notes and Illustrations

- ¹07.87 ►: FC52LS / C9YCX. TWS: 25
- ²1987 ►: Torx type: 60, then slacken. 20 + 300°

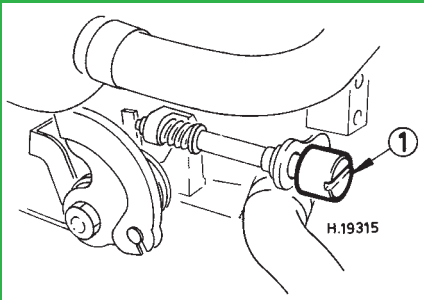
1: Idle speed2: CO / Mixture



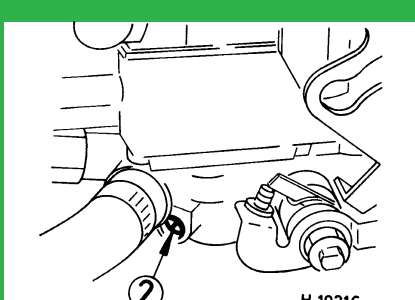
1580 cm³



1580 cm³



Weber TLP



Weber TLP