

Engine & Cooling Fuel Ignition Electrical Running gear Torque settings Capacities Notes & Illustrations



Automotive Technical DATA BOOK

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HELP

Engine and cooling system BX 16 RE 1987 to 1990

Type		XU51C (B1A/A) 52kW
Capacity (cm ³) / 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 system BX 16 RE 1987 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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥10.0
O ₂ @ 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 system BX 16 RE 1987 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
Centrifugal check.	° Crankshaft @ rpm	_
Vacuum range check	° Crankshaft @ rpm	0 @ 800 to 1200
Maximum vacuum advance	° Crankshaft @ rpm	17 to 21 @ 3000
Spark plugs	° Crankshaft @ rpm	24 to 28 @ 5200
Type		Eyquem/Champion
Electrode gap	mm	0.60 to 0.70

Electrical system BX 16 RE 1987 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 gear BX 16 RE 1987 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 settings BX 16 RE 1987 to 1990

Cylinder head - stage 1	Nm	60, then slacken ²
- stage 2	Nm	20 + 120° ²
Cylinder head - stage 3	Nm	Warm up, then cool, slacken ²
- 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 13 ¹

Capacities BX 16 RE 1987 to 1990

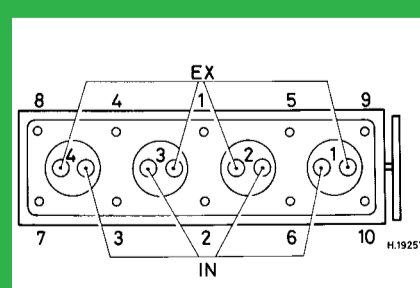
Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	2.5
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	52

Notes and Illustrations

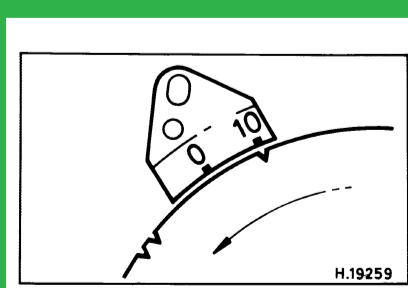
¹07.87 ▶: FC52LS / C9YCX. TWS: 25

²1987 ▶: Torx type: 60, then slacken. 20 + 300°

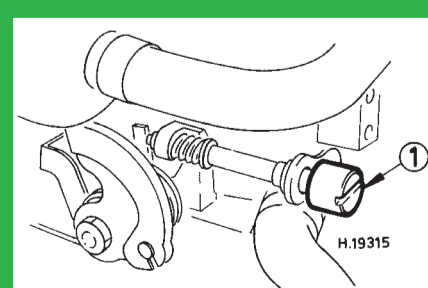
1: Idle speed 2: CO / Mixture



1580 cm³



1580 cm³



Weber TLP



Weber TLP