

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 15, 161991 to 1992

Type	XU51C (B1F) 58kW	
Capacity (cm ³) / number of cylinders	1580 / 4	
Compression ratio / pressure	bar	8.95 / _
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 15, 161991 to 1992

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	36TLP19/100. A/C: 36TLP19/250	
Main jet / needle	142±5	
Injection pressure	bar	_
Pump pressure	bar	≥0.27
Octane rating	RON	98[E 95 RON]

Ignition systemBX 15, 161991 to 1992

Type	Electronic - Hall effect	
Ignition coil	BTR 02	
Primary resistance	ohms	0.8
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	C066-D052
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1300
	° Crankshaft @ rpm	5 to 9 @ 1600
	° Crankshaft @ rpm	25 to 29 @ 5600
Vacuum range check	mbar	140 to 480
Maximum vacuum advance	° Crankshaft	14 to 18
Spark plugs	Bosch/Champion	
Type	F6DCOR / C7YCX	
Electrode gap	mm	0.80

Electrical systemBX 15, 161991 to 1992

Battery	V / CC / RC	12 / 225 / 45, / 200 / 33
Alternator voltage / full load current / engine rpm	13.5 / 50, 80 / 3650	
Starter motor current / voltage - cranking	A / V	220 /
- locked	A / V	350 /

Running gearBX 15, 161991 to 1992

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

Tyres		
Saloon	Size	155x14: 165/70x14
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	165x14: 2.0 / 2.0 ¹
- 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	-1°±20'	

Torque wrench settingsBX 15, 161991 to 1992

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
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	80 Alloy: 90
Spark plugs	Nm	18

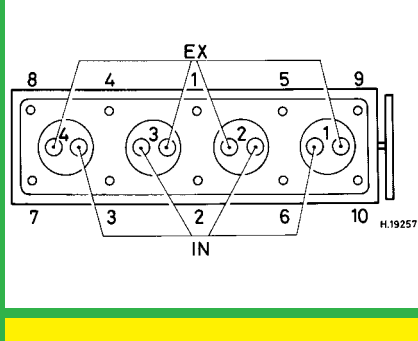
CapacitiesBX 15, 161991 to 1992

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 or 66

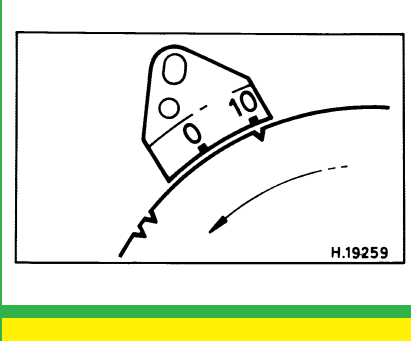
Notes and Illustrations

¹155x14: 2.2 / 2.2

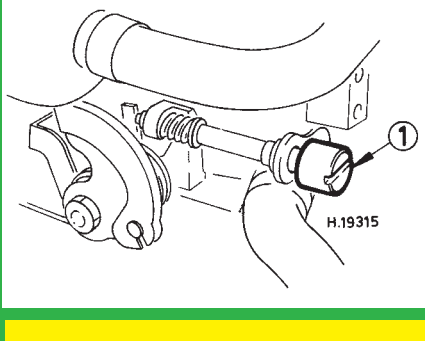
1: Idle speed2: CO / Mixture



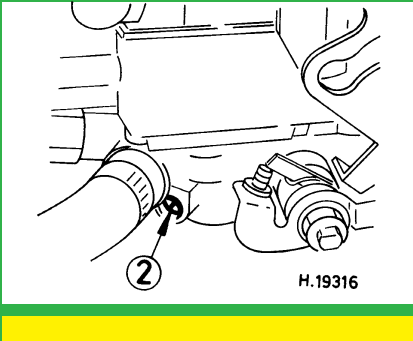
1580 cm³



1580 cm³



Weber TLP



Weber TLP