Haynes THE BOOK

Automotive Technical

DATA BOOK

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MENU | HELP

Engine and cooling system

BX 16i 1991 to 1992

Type		XU5JA (B6E) 83kW
Capacity (cm³) / number of cylinders		1580 / 4
Compression ratio / pressure	bar	9.25 / _
Oil pressure	bar	[3.5]
Oil temperature	ºC	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	ºC	82
Radiator cap pressure	bar	1.0

Fuel system

BX 16i 1991 to 1992

Idle speed - manual [auto]	rpm	850 to 900
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		Bosch
Type / ref		LE-Jetronic
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	97[E 95 RON]

Ignition system

BX 16i 1991 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	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	10 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	C064-D050
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	0 @ 1100 to 1400
	º Crankshaft @ rpm	11 to 15 @ 2250
	º Crankshaft @ rpm	21 to 25 @ 5000
Vacuum range check	mbar	220 to 350
Maximum vacuum advance	º Crankshaft	11 to 15
Spark plugs		Eyquem/Champion
Type		FC58LS / C7YCX
Electrode gap	mm	0.80

Electrical system

BX 16i 1991 to 1992

Battery	V / CC / RC	12 / 225 / 45, / 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 16i 1991 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 [º]	0 to -3.0
Camber		0±30'
Castor		+2°±35'
King pin inclination		+11°58'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	0 to +5.0
Camber		-1°±20'

Torque wrench settings

BX 16i 1991 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

Capacities

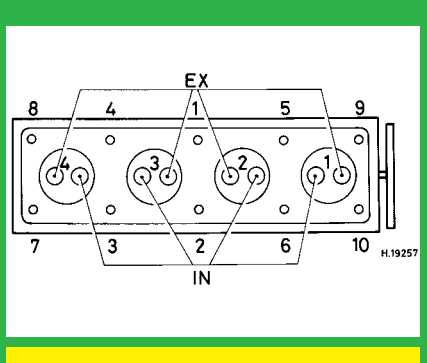
BX 16i 1991 to 1992

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

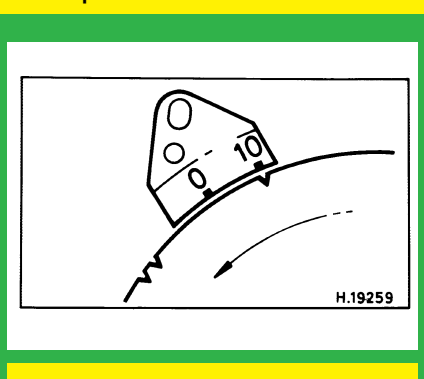
Notes and Illustrations

[1]155x14: 2.2 / 2.2

1: Idle speed 2: CO / Mixture



1580 cm³



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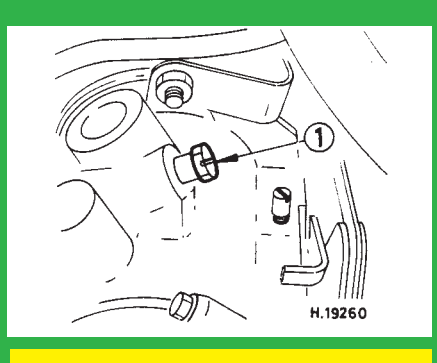
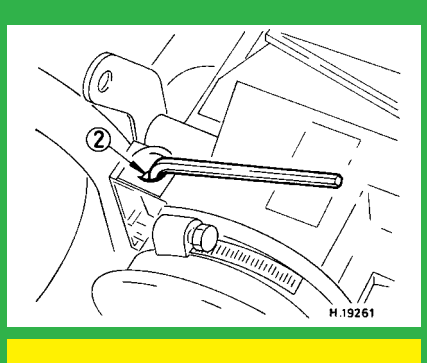


LE-Jetronic



LE-Jetronic