Haynes THE BOOK

Automotive Technical DATA BOOK

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Engine and cooling system

		BX 14i CAT 1991 to 1994
Type		TU3M (KDY) 55kW[1]
Capacity (cm³) / number of cylinders		1360 / 4
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	[4.0]
Oil temperature	ºC	90
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	88
Radiator cap pressure	bar	1.0

Fuel system

		BX 14i CAT 1991 to 1994
Idle speed - manual [auto]	rpm	850±50 N/A
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	%	≥9.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		Mono-Jetronic SPI
Main jet / needle		_
Injection pressure	bar	1.0
Pump pressure	bar	1.0 to 1.2
Octane rating	RON	95[U]

Ignition system

		BX 14i CAT 1991 to 1994
Type		Electronic - Hall effect
Ignition coil		Ducellier. Marelli BTR02
Primary resistance	ohms	0.70 to 0.85
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch/Ducellier
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	8±2 BTDC @ 850±50
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	C060-D049
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	0 @ 1000 to 1800
	º Crankshaft @ rpm	6 to 10 @ 3000
	º Crankshaft @ rpm	22 to 26 @ 6200
Vacuum range check	mbar	130 to 640
Maximum vacuum advance	º Crankshaft	20 to 24
Spark plugs		Eyquem/Champion
Type		RFC52LS / RC9YCC
Electrode gap	mm	0.80

Electrical system

		BX 14i CAT 1991 to 1994
Battery	V / CC / RC	12 / 175 / 35, / 175 / 29
Alternator voltage / full load current / engine rpm		13.5 / 50 / 3650
Starter motor current / voltage - cranking	A / V	220 to 250 / _
- locked	A / V	350 / _

Running gear

		BX 14i CAT 1991 to 1994
Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
Tyres		
Saloon	Size	145x14: 165/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	_
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		-9'±20' [88 ▶: -1°±20']

Torque wrench settings

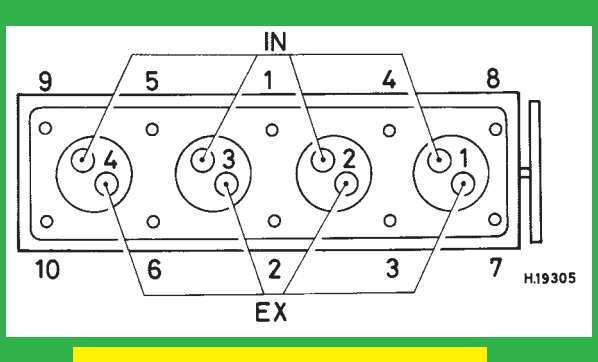
		BX 14i CAT 1991 to 1994
Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	25

Capacities

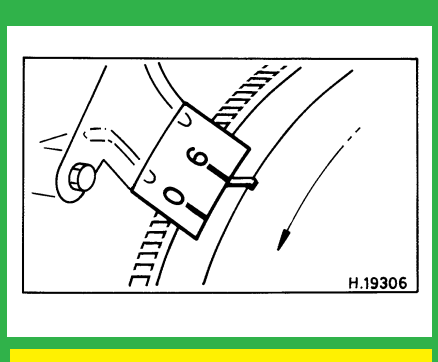
		BX 14i CAT 1991 to 1994
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	44

Notes and Illustrations

[1]94 ▶: TU3FM/Z (KDY)



1360 cm³



1360 cm³