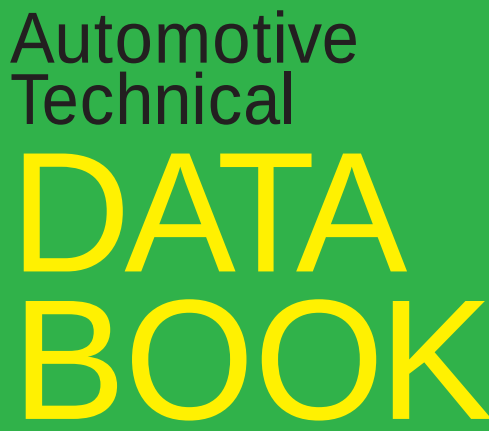




HELP

Engine and cooling system	BX 16	1987 to 1993
Type	VINTEC (DOE) 2.0L 16V	

type	XU52C (B2C) 68kW	
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	79 to 82
Radiator cap pressure	bar	1.0

Fuel system	BX 16	1987 to 1993
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Idle speed - manual [auto]	rpm	800±50. A/C: 750±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		Solex
Type / ref		32-34 Z1 PSA 464/5/471/2
Main jet / needle		112.5, 125
Injection pressure	bar	—
Pump pressure	bar	≥0.27
Octane rating	RON	98[E 95 RON]

Ignition system	BX 16	1987 to 1993
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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 @ 850
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	C005-D017
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 900 to 1100
	° Crankshaft @ rpm	13 to 17 @ 3000
	° Crankshaft @ rpm	24 to 28 @ 5200
Vacuum range check	mbar	100 to 420
Maximum vacuum advance	° Crankshaft	18 to 22
Spark plugs		Bosch/Champion
Type		F6DCOR / C7YCX
Electrode gap	mm	0.80

Electrical system	BX 16	1987 to 1993
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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 /

	1985	1986	1987
Running gear			
	BY 16	1987 to 1993	

Running gear	DX 10	1987 to 1999
Brakes -		

Front (min. friction material thickness)	mm	—
Rear (min. friction material thickness)	mm	—

Real (min. inlction material thickness)	mm	-
Tyres		

Saloon	Size	155x14: 165/70x14: 170/65x365
Estate / Van	Size	165/70x14
Pressure - front / rear - Saloon	bar	165x14: 2.0 / 2.0 ¹
- Estate / Van	bar	2.3 / 2.5

Estate / van	bar	2.10 / 2.10
Front suspension / wheel alignment		0 / 0

Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber		0±30'
Castor		+2°±35'
King pin inclination		+11°58'

Rear suspension / wheel alignment		12-55
Twist (°) / Toe (°)	[51]	0 to +5.2

Toe-in (+) / Toe-out (-)	mm [°]	0 to +5.0
Camber		-1°±20'

Torque wrench settings		
	BX 16	1987 to 1993

	2007 to 2008	2009 to 2010
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 16	1987 to 1993
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Supplies		EX 10	1997 to 1999
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

1170x365: 1 9 / 2 1 155x14: 2 2 / 2 2

1: Idle speed 2: CO / Mixture

