Haynes THE BOOK ®

Automotive Technical DATA BOOK

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Engine and cooling system — BX 14 — 1983 to 1989

Type		XY6D (150C)
Capacity (cm³) / number of cylinders		1360 / 4
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	[3.0]
Oil temperature	ºC	80
Valve clearance - inlet	mm	0.10 to 0.15
Valve clearance - exhaust	mm	0.20 to 0.30
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 14 — 1983 to 1989

Idle speed - manual [auto]	rpm	800±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		Solex
Type / ref		32-32 Z2 CIT 348
Main jet / needle		115, 120
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[L]

Ignition system — BX 14 — 1983 to 1989

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
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	10 BTDC @ 850
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	XA2-XD2
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	0 to 2 @ 1600
	º Crankshaft @ rpm	11 to 15 @ 3000
	º Crankshaft @ rpm	18 to 22 @ 4800
Vacuum range check	mbar	120 to 330
Maximum vacuum advance	º Crankshaft	18 to 22
Spark plugs		Bosch/Champion
Type		H7DC / S281YC
Electrode gap	mm	0.60 to 0.70

Electrical system — BX 14 — 1983 to 1989

Battery	V / CC / RC	12 / 175 / 35 or / 175 / 29
Alternator voltage / full load current / engine rpm		13.8 to 14.5 / _ / 3600
Starter motor current / voltage - cranking	A / V	220 to 250 / _
- locked	A / V	350 / _

Running gear — BX 14 — 1983 to 1989

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	145x14: 1.9 / 2.0[1]
- 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 14 — 1983 to 1989

Cylinder head - stage 1	Nm	50
- stage 2	Nm	75
Cylinder head - stage 3	Nm	Warm up, then cool down
- stage 4	Nm	Slacken, then 78
Big-end bearings	Nm	38
Main bearings	Nm	38 then 53
Clutch cover	Nm	10
Flywheel [driveplate]	Nm	68 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	10 to 13

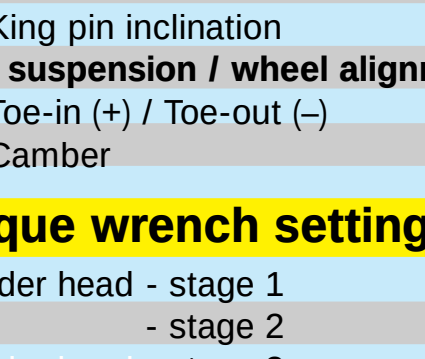
Capacities — BX 14 — 1983 to 1989

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	With engine
Automatic transmission - refill	litres	_
Final drive	litres	With engine
Cooling system	litres	6.5
Fuel tank	litres	44

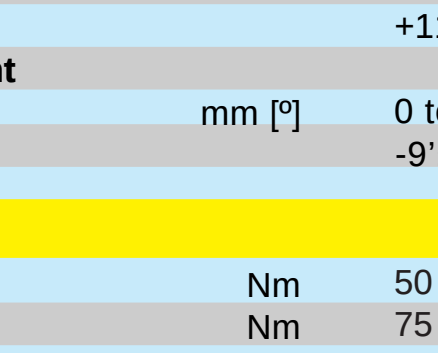
Notes and Illustrations

[1]**165/70x14: 1.8 / 1.8. All 88 ▶: 1.9 / 2.0**

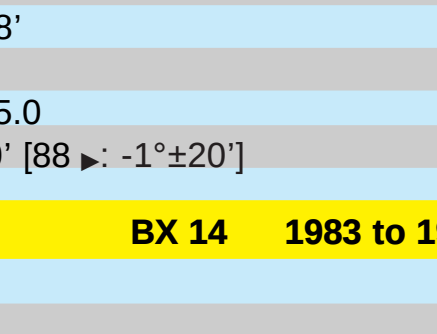
1: Idle speed 2: CO / Mixture



1360 cm³



1360 cm³



Solex Z2