

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system ZX 1.1 1991 to 1992

Type	TU1/K (H1A) 44kW 15.04	
Capacity (cm ³) / number of cylinders	1124 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	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	°C	89
Radiator cap pressure	bar	1.4

Fuel system ZX 1.1 1991 to 1992

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
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 PBISA 16 PSA411	
Main jet / needle	127.5	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	98[E 95 RON]

Ignition system ZX 1.1 1991 to 1992

Type	Electronic	
Ignition coil	Ducellier BTR 05	
Primary resistance	ohms	0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8±2 BTDC @ 750
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C041-D029
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1400
	° Crankshaft @ rpm	12 to 16 @ 3000
	° Crankshaft @ rpm	18 to 22 @ 4400
Vacuum range check	mbar	140 to 410
Maximum vacuum advance	° Crankshaft	11 to 15
Spark plugs	Bosch/Champion	
Type	F7DCOR / C10YCC	
Electrode gap	mm	0.80 to 0.90

Electrical system ZX 1.1 1991 to 1992

Battery	V / CC / RC	(12L1 200, 12L1 250)
Alternator voltage / full load current / engine rpm	13.8 to 14.5 / 50 / 1800	
Starter motor current / voltage - cranking	A / V	105 / 12
- locked	A / V	220 / _

Running gear ZX 1.1 1991 to 1992

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	165/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -2.0
Camber	+30'±30'	
Castor	+1°30'±30'	
King pin inclination	+10°45'±40'	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.5 to +2.5
Camber	-1°±20'	

Torque wrench settings ZX 1.1 1991 to 1992

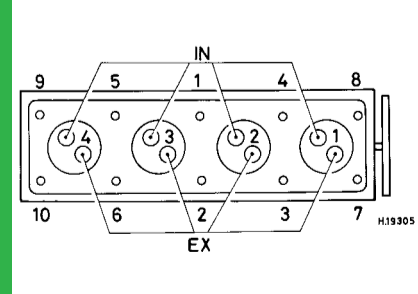
Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	35
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	140
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities ZX 1.1 1991 to 1992

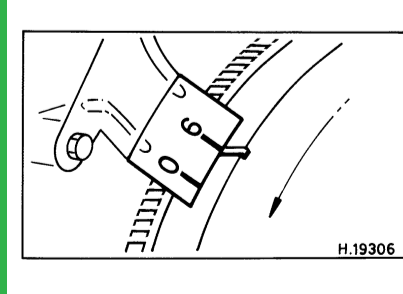
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.5. A/C: 7.5
Fuel tank	litres	56

Notes and Illustrations

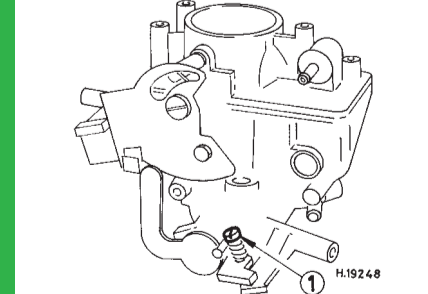
1: Idle speed 2: CO / Mixture



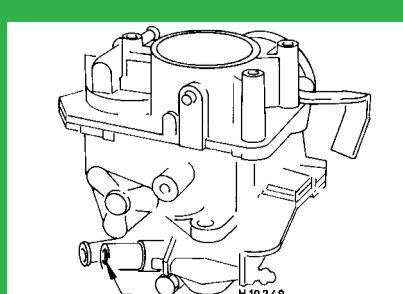
1124 cm³



1124 cm³



Solex PBISA



Solex PBISA