

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 106, 1.1 1991 to 1992

Type	TU1/K (H1A) (44kW)	
Capacity (cm ³) / number of cylinders	1124 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	1.5 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.4

Fuel system 106, 1.1 1991 to 1992

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.3±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex	
Type / ref	32 PBISA 16 411/2 or 411/3	
Main jet / needle	132	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[E 95 RON]

Ignition system 106, 1.1 1991 to 1992

Type	Electronic	
Ignition coil	_	
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 800
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C041-D029
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	6 to 8 @ 1000
	° Crankshaft @ rpm	18 to 22 @ 2400
	° Crankshaft @ rpm	26 to 30 @ 4400
Vacuum range check	mbar	215 to 406
Maximum vacuum advance	° Crankshaft	11 to 15
Spark plugs	Eyquem/Champion	
Type	FC42LS / C10YCC	
Electrode gap	mm	0.80

Electrical system 106, 1.1 1991 to 1992

Battery	V / CC / RC	12 / 200 / 33Ah
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear 106, 1.1 1991 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	145/70x13: 155/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.1'
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-0.5±0.5 PW
Camber		-14'±30'
Castor		+2°15'±30'
King pin inclination		+12°50'±40'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.95±0.9 PW
Camber		-1°34'±30'

Torque wrench settings 106, 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	WSM
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	60 LkC
Front hubs	Nm	250
Rear hubs	Nm	140
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

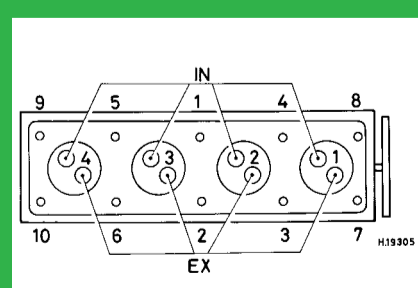
Capacities 106, 1.1 1991 to 1992

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	6.0
Fuel tank	litres	45

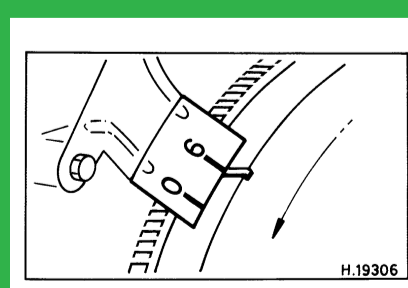
Notes and Illustrations

¹155/70x13: 2.0 / 2.0

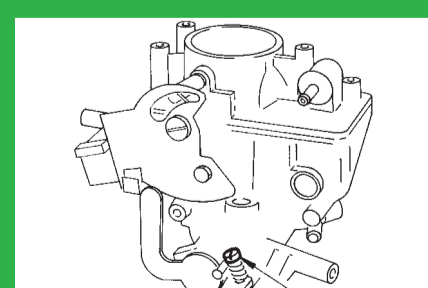
1: Idle speed 2: CO / Mixture



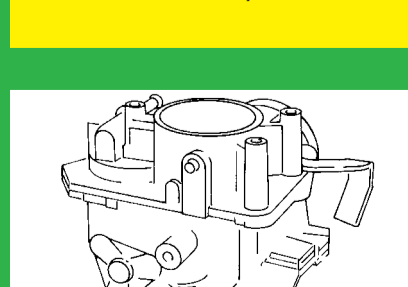
1124 cm³, TU1



1124 cm³, TU1



Solex 32 PBISA 16



Solex 32 PBISA 16