

Engine & Cooling

Fuel

Ignition

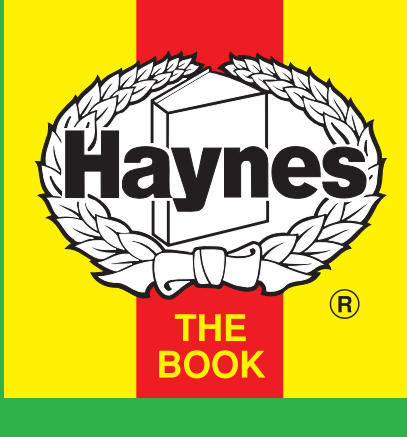
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemAX 1.11991 to 1992

Type	TU1 (H1A/H1B) 41kW	
Capacity (cm³) / 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	88
Radiator cap pressure	bar	1.4

Fuel systemAX 1.11991 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
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 PBISA 16 PSA411	
Main jet / needle	127.5	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	95[E 95 RON]

Ignition systemAX 1.11991 to 1992

Type	Electronic - Hall effect	
Ignition coil	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	16 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

Electrical systemAX 1.11991 to 1992

Battery	V / CC / RC	12 / 150 / 25
Alternator voltage / full load current / engine rpm	13.5 / 50 / 3650	
Starter motor current / voltage - cranking	A / V	105 / 12
- locked	A / V	220 / _

Running gearAX 1.11991 to 1992

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	145/70x13: 155/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.0±1.5
Camber	0+30'	
Castor	+2°15'±30'	
King pin inclination	+12.58°	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.8 to 5.4
Camber	-1°15'±20'	

Torque wrench settingsAX 1.11991 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	13
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	140
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

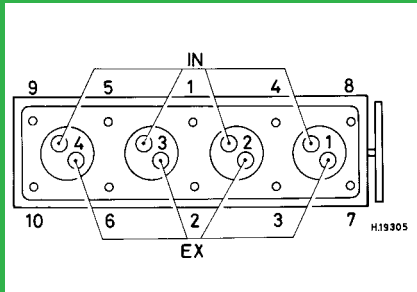
CapacitiesAX 1.11991 to 1992

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	4.8
Fuel tank	litres	43

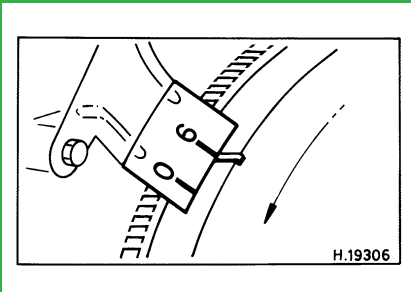
Notes and Illustrations



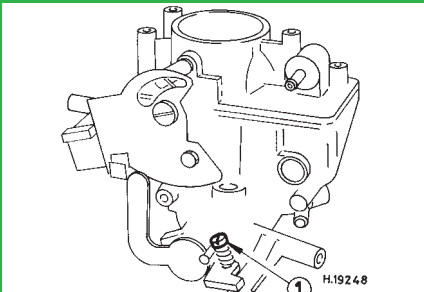
1: Idle speed 2: CO / Mixture



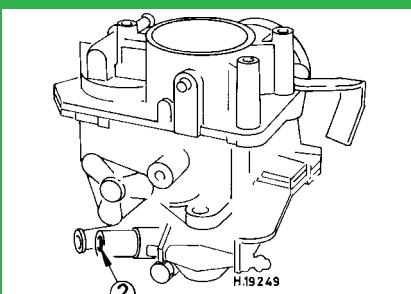
1124 cm³



1124 cm³



Solex PBISA



Solex PBISA