

Engine & Cooling

Fuel

Ignition

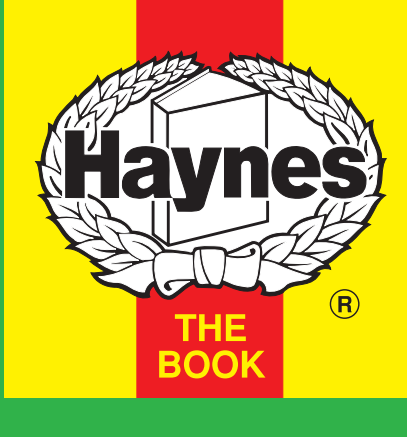
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemC25E 18001990 to 1994

Type	XN1TA (170C) 63kW	
Capacity (cm³) / number of cylinders	1971 / 4	
Compression ratio / pressure	bar	8.8 / _
Oil pressure	bar	2.7 [3.8]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	80 to 83
Radiator cap pressure	bar	1.0

Fuel systemC25E 18001990 to 1994

Idle speed - manual [auto]	rpm	900+50-0
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex	
Type / ref	34 PBISA 16 PSA 425	
Main jet / needle	127.5	
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	96[RA] ¹

Ignition systemC25E 18001990 to 1994

Type	Electronic	
Ignition coil	Bosch. Ducellier 91535633	
Primary resistance	ohms	0.6 to 1.0
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 700 ¹
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C013-D018
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1300
	° Crankshaft @ rpm	16 to 20 @ 3000
	° Crankshaft @ rpm	28 to 32 @ 5000
Vacuum range check	mbar	100 to 540
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs	Bosch/Champion	
Type	W7DC / N281YC	
Electrode gap	mm	0.60 to 0.70

Electrical systemC25E 18001990 to 1994

Battery	V / CC / RC	12 / 255 / 55Ah
Alternator voltage / full load current / engine rpm	13.3 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	330 to 400 / _

Running gearC25E 18001990 to 1994

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

Tyres		
Saloon	Size	_
Estate / Van	Size	195/75x16
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	4.0 / 4.5

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5±1.0 ²
Camber	+2° to 2°30'	
Castor	0 to +30'	
King pin inclination	+9°30' to 11°30'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0 N/A
Camber	_	

Torque wrench settingsC25E 18001990 to 1994

Cylinder head - stage 1	Nm	50, then slacken ³
- stage 2	Nm	20 ³
Cylinder head - stage 3	Nm	+ 180° ³
- stage 4	Nm	Warm up, then + 35° ³
Big-end bearings	Nm	40
Main bearings	Nm	75
Clutch cover	Nm	15 N
Flywheel [driveplate]	Nm	68 LkC N
Front hubs	Nm	500 LkC
Rear hubs	Nm	170
Wheel nuts / bolts	Nm	180
Spark plugs	Nm	23

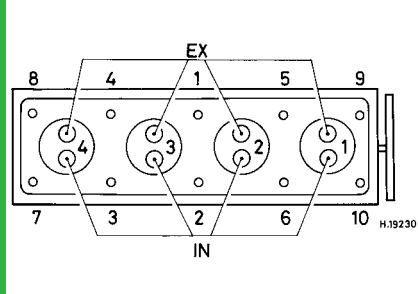
CapacitiesC25E 18001990 to 1994

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.3 ⁴
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	70

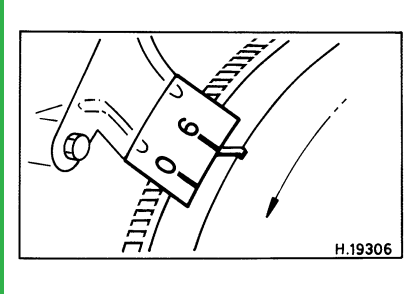
Notes and Illustrations

- ¹[E 95 RON]: 6 BTDC @ 700
- ²Chassis cab: +2.0±1.0
- ³4.89 ►, Torx bolt: 60, then slacken, then 20 + 300°
- ⁴7.89 ►: 1.6

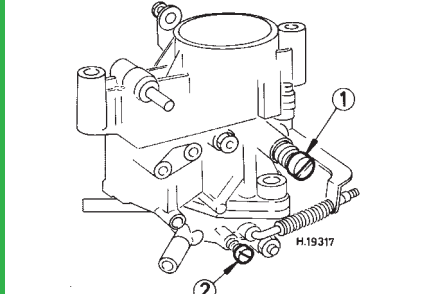
1: Idle speed2: CO / Mixture



1971 cm³



1971 cm³



Solex PBISA