

Engine & Cooling

Fuel

Ignition

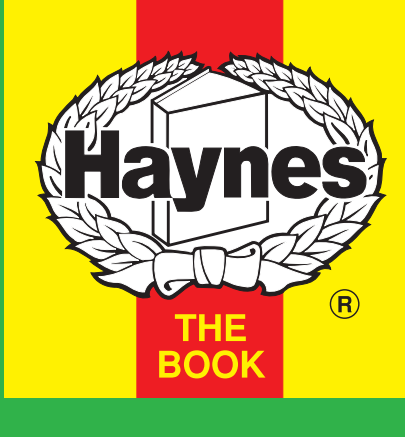
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system21, 1.7 (B/L/K481)1986 to 1993

Type		F2N-B7-12 69kW
Capacity (cm³) / number of cylinders		1721 / 4
Compression ratio / pressure	bar	9.25 / _
Oil pressure	bar	2.0 [3.5]
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	89 to 101
Radiator cap pressure	bar	1.2

Fuel system21, 1.7 (B/L/K481)1986 to 1993

Idle speed - manual [auto]	rpm	700±25
Fast idle speed - manual [auto]	rpm	A/c: 850±25
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex
Type / ref		28-34 Z10 867/913/970
Main jet / needle		97.5, 122.5
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	92[E 95 RON]

Ignition system21, 1.7 (B/L/K481)1986 to 1993

Type		AEI
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Renix
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	4±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE234
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	3 to 5 @ 750
	° Crankshaft @ rpm	7 to 9 @ 1550
	° Crankshaft @ rpm	24 to 27 @ 4050
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	≥15
Spark plugs		AC/Champion
Type		C41CXLS / N279YC
Electrode gap	mm	0.75 to 0.85

Electrical system21, 1.7 (B/L/K481)1986 to 1993

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear21, 1.7 (B/L/K481)1986 to 1993

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres		
Saloon	Size	155x13: 175/70x13
Estate / Van	Size	175/70x13: 165/80x13
Pressure - front / rear - Saloon	bar	2.0 / 2.2
- Estate / Van	bar	2.0 / 2.6

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		0±30'
Castor		+2°±30'
King pin inclination		+11°40'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 5.0
Camber		-40'±10'. 89 ►: -20'±10'

Torque wrench settings21, 1.7 (B/L/K481)1986 to 1993

Cylinder head - stage 1	Nm	30
- stage 2	Nm	70, wait 3 min. Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 123±2°
Big-end bearings	Nm	45 to 50
Main bearings	Nm	60 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

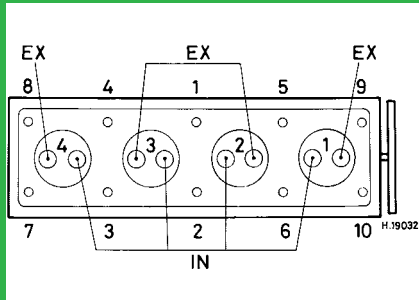
Capacities21, 1.7 (B/L/K481)1986 to 1993

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	3.3 [3.4]
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.2. 6.89 ►: 6.4
Fuel tank	litres	66

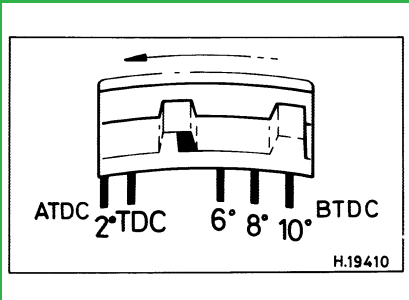
Notes and Illustrations



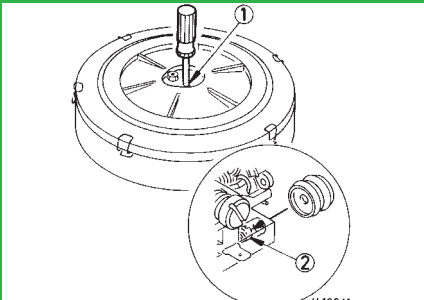
1: Idle speed 2: CO / Mixture



1721 cm³



1721 cm³, F2N



Solex Z10