

Engine & Cooling

Fuel

Ignition

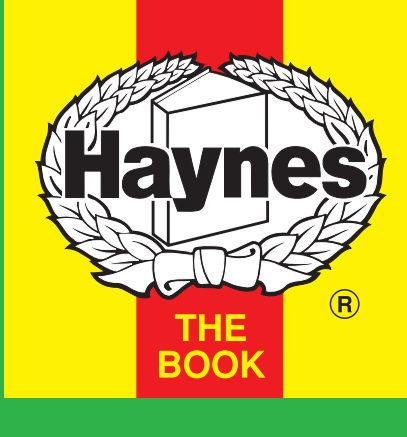
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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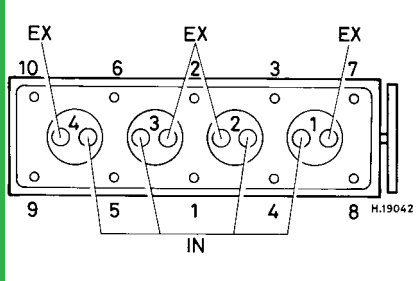
HELP

Engine and cooling system		19, 1.2 (B/C/L530)	1990 to 1992
Type		C1G-7-30	
Capacity (cm³) / number of cylinders		1237 / 4	
Compression ratio / pressure	bar	9.2 / _	
Oil pressure	bar	0.7 [3.5]	
Oil temperature	°C	80	
Valve clearance - inlet	mm	0.15	
Valve clearance - exhaust	mm	0.20	
Firing order		1-3-4-2	
No 1 cylinder position		FE	
Thermostat opening temperature	°C	86	
Radiator cap pressure	bar	1.2	
Fuel system		19, 1.2 (B/C/L530)	1990 to 1992
Idle speed - manual [auto]	rpm	700±50	
Fast idle speed - manual [auto]	rpm	_	
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		32 BIS 936	
Main jet / needle		120	
Injection pressure	bar	_	
Pump pressure	bar	0.17 to 0.33	
Octane rating	RON	98[E 95 RON]	
Ignition system		19, 1.2 (B/C/L530)	1990 to 1992
Type		Electronic	
Ignition coil		_	
Primary resistance	ohms	1.45	
Ballast resistor	ohms	_	
Voltage - Tmnl 15(+) to earth	V	_	
Distributor		Ducellier	
Points gap (air gap)	mm	_	
Dwell angle	° (%)	_	
Condenser capacity	µF	_	
Rotation		_	
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ idle	
V = Vacuum NV = No Vacuum		NV	
Total ignition advance	° Crankshaft @ rpm	RE450 / RE306	
	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
Centrifugal check.	° Crankshaft @ rpm	5 to 7 @ 750¹	
	° Crankshaft @ rpm	11 to 17 @ 1550¹	
	° Crankshaft @ rpm	26 to 30 @ 4050¹	
Vacuum range check	mbar	0 to 300	
Maximum vacuum advance	° Crankshaft	≥14. RE306: ≥12	
Spark plugs		AC/Champion	
Type		C42CXLS / N281YC	
Electrode gap	mm	0.75 to 0.85	
Electrical system		19, 1.2 (B/C/L530)	1990 to 1992
Battery	V / CC / RC	12 / 35Ah	
Alternator voltage / full load current / engine rpm		13.5 to 15.0 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_	
- locked	A / V	350 to 460 / _	
Running gear		19, 1.2 (B/C/L530)	1990 to 1992
Brakes -			
Front (min. friction material thickness)	mm	6.0 with backing	
Rear (min. friction material thickness)	mm	2.5	
Tyres			
Saloon	Size	145x13: 155x13: 165/70x13	
Estate / Van	Size	_	
Pressure - front / rear - Saloon	bar	2.0 / 2.2	
- Estate / Van	bar	_	
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0	
Camber		-5'±30'	
Castor		+1°55'. PAS: +4°	
King pin inclination		+12°55'±30'	
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 2.5	
Camber		-50'±30'	
Torque wrench settings		19, 1.2 (B/C/L530)	1990 to 1992
Cylinder head - stage 1	Nm	55 to 65	
- stage 2	Nm	_	
Cylinder head - stage 3	Nm	_	
- stage 4	Nm	_	
Big-end bearings	Nm	35	
Main bearings	Nm	55 to 65	
Clutch cover	Nm	18	
Flywheel [driveplate]	Nm	50	
Front hubs	Nm	250	
Rear hubs	Nm	160	
Wheel nuts / bolts	Nm	80	
Spark plugs	Nm	_	
Capacities		19, 1.2 (B/C/L530)	1990 to 1992
Engine oil & filter	litres	3.5	
Gearbox - 4-speed [5-speed]	litres	2.8 [2.9]	
Automatic transmission - refill	litres	_	
Final drive	litres	WT	
Cooling system	litres	5.4	
Fuel tank	litres	55	

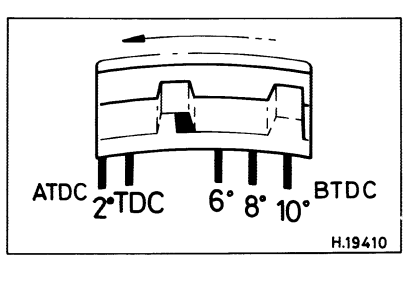
Notes and Illustrations

¹RE306: 4 to 8 @ 750, 11 to 17 @ 1550, 25 to 31 @ 4050

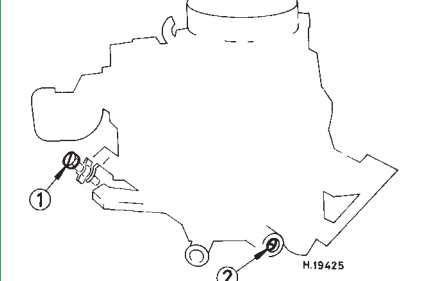
1: Idle speed 2: CO / Mixture



1237 cm³



1237 cm³



Solex 32 BIS