

Engine & Cooling

Fuel

Ignition

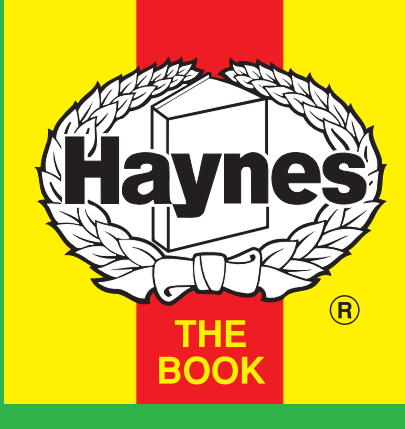
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

C15E 1124 Van

1988 to 1995

Type	TU1/K (H1A) 40kW	
Capacity (cm ³) / number of cylinders	1124 / 4	
Compression ratio / pressure	bar	8.2 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	90
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	87 to 89
Radiator cap pressure	bar	1.0

Fuel system

C15E 1124 Van

1988 to 1995

Idle speed - manual [auto]	rpm	750±50
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	32 PBISA 16 PSA 411	
Main jet / needle	127.5±2.5	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[E 95 RON]

Ignition system

C15E 1124 Van

1988 to 1995

Type	Electronic	
Ignition coil	Ducellier. Marelli.BTR 02	
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 @ 700
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C041-D029
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 4 @ 1400
	° Crankshaft @ rpm	13 to 17 @ 3000
	° Crankshaft @ rpm	18 to 22 @ 4800
Vacuum range check	mbar	130 to 410
Maximum vacuum advance	° Crankshaft	11 to 15
Spark plugs	Eyquem/Champion	
Type	FC52LS / C9YCX	
Electrode gap	mm	0.80

Electrical system

C15E 1124 Van

1988 to 1995

Battery	V / CC / RC	12 / 175 / 29
Alternator voltage / full load current / engine rpm	13.8 to 14.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	47 / 12 (no load)
- locked	A / V	_

Running gear

C15E 1124 Van

1988 to 1995

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

Tyres		
Saloon	Size	_
Estate / Van	Size	145x13
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.3 / 2.6

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0
Camber	+37'±30' (765kg: +34'±30')	
Castor	+57'±30' (765kg: +43'±30')	
King pin inclination	+8°39'±30' (765kg: +8°45'±30')	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.6 to 5.0
Camber	-9'±20'	

Torque wrench settings

C15E 1124 Van

1988 to 1995

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	10
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	60 to 80
Spark plugs	Nm	25

Capacities

C15E 1124 Van

1988 to 1995

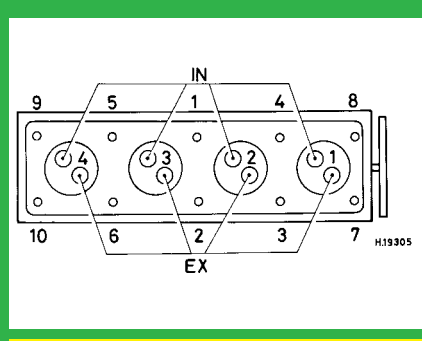
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	47

Notes and Illustrations

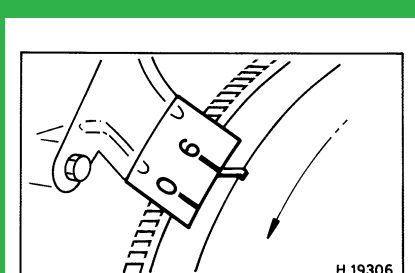


1: Idle speed

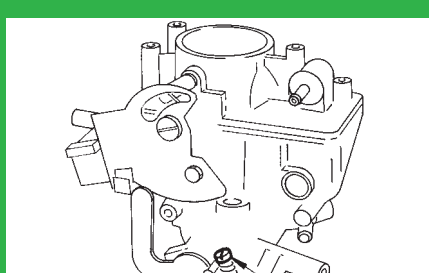
2: CO / Mixture



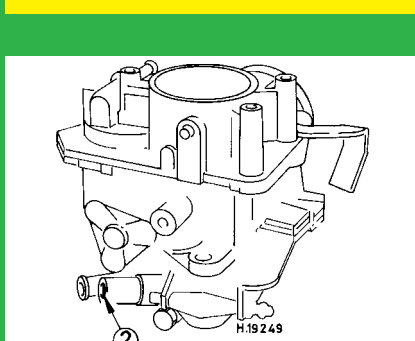
1124 cm³



1124 cm³



Solex PBISA



Solex PBISA