

Engine & Cooling

Fuel

Ignition

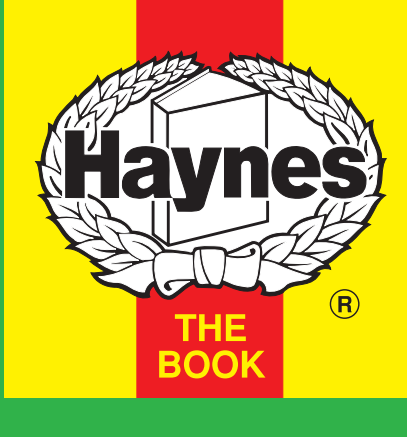
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemC15E 1360 Super Van1986 to 1988

Type		XY7 (150D)
Capacity (cm³) / number of cylinders		1360 / 4
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	[3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10 to 0.15
Valve clearance - exhaust	mm	0.20 to 0.30
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	82 to 93
Radiator cap pressure	bar	1.0

Fuel systemC15E 1360 Super Van1986 to 1988

Idle speed - manual [auto]	rpm	700 to 750
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	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex
Type / ref		32 PBISA 12 350
Main jet / needle		130±5
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	97[R]

Ignition systemC15E 1360 Super Van1986 to 1988

Type		Electronic
Ignition coil		Ducellier, Bosch
Primary resistance	ohms	0.7 to 0.94
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch/Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 5 @ 1600
	° Crankshaft @ rpm	14 to 18 @ 3000
	° Crankshaft @ rpm	24 to 28 @ 5500
Vacuum range check	mbar	65 to 230
Maximum vacuum advance	° Crankshaft	16 to 20
Spark plugs		Bosch/Champion
Type		H7DC / S281YC
Electrode gap	mm	0.60 to 0.70

Electrical systemC15E 1360 Super Van1986 to 1988

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 gearC15E 1360 Super Van1986 to 1988

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 [°]	+1.0+2.0-1.0
Camber		+47'±30'
Castor		+1°21'±30'
King pin inclination		_

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+3.3±1.7
Camber		+9'±20'

Torque wrench settingsC15E 1360 Super Van1986 to 1988

Cylinder head - stage 1	Nm	50
- stage 2	Nm	76
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	38
Main bearings	Nm	38 then 53
Clutch cover	Nm	10
Flywheel [driveplate]	Nm	68 LkC
Front hubs	Nm	250
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	60 to 80
Spark plugs	Nm	10 to 13

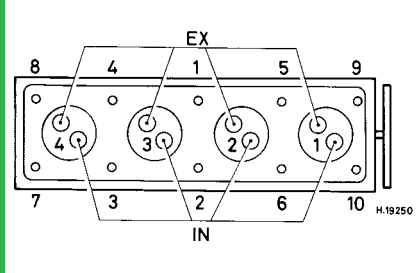
CapacitiesC15E 1360 Super Van1986 to 1988

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	With engine
Automatic transmission - refill	litres	_
Final drive	litres	With engine
Cooling system	litres	7.5
Fuel tank	litres	47

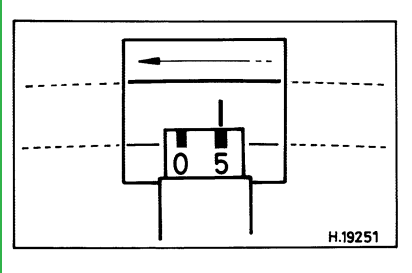
Notes and Illustrations



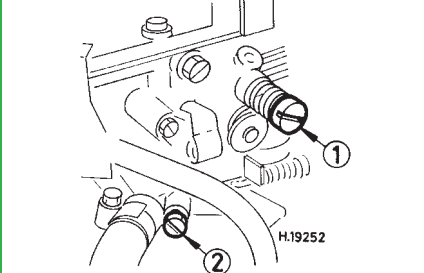
1: Idle speed 2: CO / Mixture



1360 cm³



1360 cm³



Solex PBISA