

Engine & Cooling

Fuel

Ignition

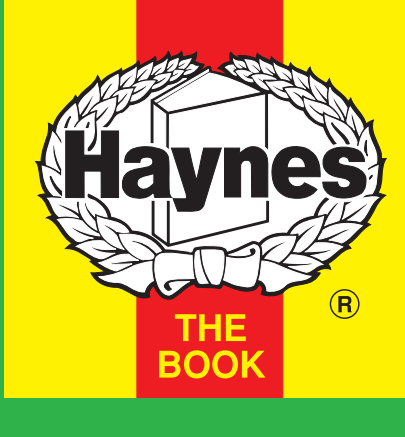
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling systemVisa Club & Special1979 to 1988

Type		V06 / 630. 83 ▶: 644
Capacity (cm³) / number of cylinders		652 / 2
Compression ratio / pressure	bar	9.0 (83 ▶: 9.5) / _
Oil pressure	bar	[5.5 to 6.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.20
Firing order		1-2
No 1 cylinder position		FEL
Thermostat opening temperature	°C	—
Radiator cap pressure	bar	—

Fuel systemVisa Club & Special1979 to 1988

Idle speed - manual [auto]	rpm	850 to 900
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	—
HC @ idle speed [3000 rpm] - see page VI	ppm	—
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Solex/Weber
Type / ref		26-35 CSIC 209 / 83 ▶: 244 ¹
Main jet / needle		125±5, 130±5 (83 ▶:120, 120) ²
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	93[L] ³

Ignition systemVisa Club & Special1979 to 1988

Type		Electronic
Ignition coil		Ducellier
Primary resistance	ohms	0.6 to 0.8
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 850
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 to 3 @ 1200 ⁴
	° Crankshaft @ rpm	11.3 to 15 @ 2000 ⁴
	° Crankshaft @ rpm	21 to 24 @ 5000 ⁴
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	10
Spark plugs		AC/Champion
Type		C42CLTS / S6YC
Electrode gap	mm	0.60 to 0.70

Electrical systemVisa Club & Special1979 to 1988

Battery	V / CC / RC	12 / _
Alternator voltage / full load current / engine rpm		13.5 / _ / 4000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearVisa Club & Special1979 to 1988

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

Tyres		
Saloon	Size	135x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.7 / 2.0
- Estate / Van	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	+1.0±1.0
Camber		+45’±30’
Castor		+2°37’±30’
King pin inclination		+9°5’±40’

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	+1.0 to 4.0
Camber		-1°±30’

Torque wrench settingsVisa Club & Special1979 to 1988

Cylinder head - stage 1	Nm	10
- stage 2	Nm	19
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	—
Main bearings	Nm	37 ⁵
Clutch cover	Nm	10 to 13
Flywheel [driveplate]	Nm	66 oiled
Front hubs	Nm	250
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	60 to 80
Spark plugs	Nm	10 to 13

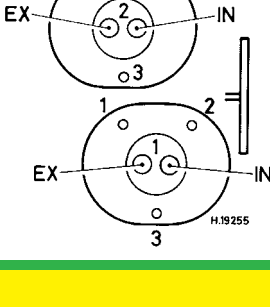
CapacitiesVisa Club & Special1979 to 1988

Engine oil & filter	litres	3.3
Gearbox - 4-speed [5-speed]	litres	1.4
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	—
Fuel tank	litres	40

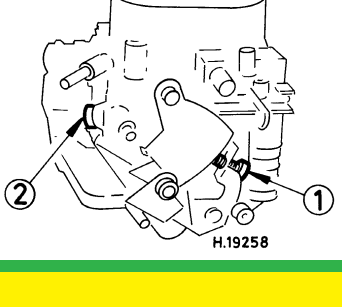
Notes and Illustrations

- ¹Solex only. Weber 32-34 DMTC
- ²Solex only. Weber: 107, 110
- ³83 ▶ with V06/644 engine: [E 95 RON]
- ⁴83 ▶: 10 to 13 @ 1300, 18 to 21 @ 2000, 29 to 32 @ 5200
- ⁵Except front bearing: 17

1: Idle speed 2: CO / Mixture



652 cm³



Solex CSIC