



HELP

Engine and cooling system	Scirocco GTX 16V	1985 to 1988
Type	KB 102kW, DOHC 16V	

Capacity (cm <sup>3</sup> ) / number of cylinders		1781 / 4
Compression ratio / pressure	bar	10.0 / ≥7.5
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	85
Radiator cap pressure	bar	1.2 to 1.5

Fuel system	Scirocco GTX 16V	1985 to 1988
-------------	------------------	--------------

Idle speed - manual [auto]	rpm	1000±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Bosch
Type / ref		K-Jetronic
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	4.7 to 5.4
Octane rating	RON	98[E 98 RON]

Ignition system	Scirocco GTX 16V	1985 to 1988
-----------------	------------------	--------------

Type		FEI
Ignition coil		Bosch
Primary resistance	ohms	0.52 to 0.76
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 1000±50
V = Vacuum NV = No Vacuum		V
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		Bosch/Champion
Type		F6DTC / C6BYC
Electrode gap	mm	0.70 to 0.90

Electrical system	Scirocco GTX 16V	1985 to 1988
-------------------	------------------	--------------

Battery	V / CC / RC	12 / 220 / 75
Alternator voltage / full load current / engine rpm		–
Starter motor current / voltage - cranking	A / V	–

Running gear	Searsroebuck CTY 14V	1085 to 1088
--------------	----------------------	--------------

Running gear	Scirocco GTX 16V	1985 to 1988
Brakes -		

Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing

Rear (min. friction material thickness)	mm	7.0 with backing
Tires		

Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 1.8

- Estate / Van	bar	–
Front suspension / wheel alignment		

Toe-in (+) / Toe-out (-)	mm [°]	[-5' to -30']
Camber		+20'±20'
Castor		+1°50'±20'

King pin inclination	–
Rear suspension / wheel alignment	

Toe-in (+) / Toe-out (-)	mm [°]	[+20'±20']
		[-10'±25']

Camber	$-1^{\circ}15' \pm 25'$
--------	-------------------------

Torque wrench settings		Scirocco GTX 16V	1985 to 1988
Cylinder head - stage 1	Nm	40	
- stage 2	Nm	60	
Cylinder head - stage 3	Nm	+ 90°	
- stage 4	Nm	+ 90°	
Big-end bearings	Nm	30 + 90°	
Main bearings	Nm	65 <sup>1</sup>	
Clutch cover	Nm	20	
Flywheel [driveplate]	Nm	60 + 90° N	
Front hubs	Nm	230	
Rear hubs	Nm	WSM	
Wheel nuts / bolts	Nm	110	
Spark plugs	Nm	25	

Capacities		Scirocco GTV 16V	1985 to 1988

Capacities		Silbercco GTX 16V	1985 to 1988
Engine oil & filter	litres	4.0	
Gearbox - 4-speed [5-speed]	litres	2.0	
Automatic transmission - refill	litres	–	
Final drive	litres	WT	
Cooling system	litres	6.5	
Fuel tank	litres	55	

## Notes and Illustrations

<sup>1</sup> Replace with fully threaded shank bolts: 65 x 90°

1: Idle speed      2: CO / Mixture

