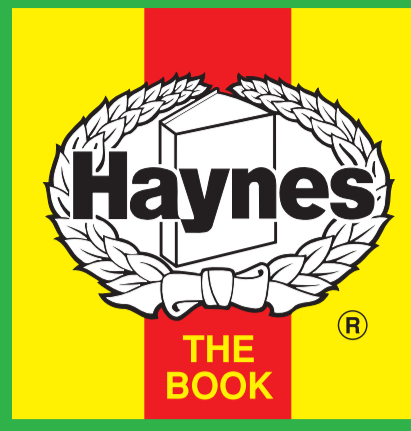


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 system Scudo 1.6i 1996 to 1997

Type		220 A2.000 (W2) 58kW US83
Capacity (cm ³) / number of cylinders		1581 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	0.8 [3.4 to 4.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	87 to 98
Radiator cap pressure	bar	1.0

Fuel system Scudo 1.6i 1996 to 1997

Idle speed - manual [auto]	rpm	800 to 850 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.35
HC @ idle speed [3000 rpm] - see page VI	ppm	≤90
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥14.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_ Bosch
Type / ref		MA1.7-Mono-Motronic
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Scudo 1.6i 1996 to 1997

Type		Motronic Static
Ignition coil		BAE 504D. 4 output
Primary resistance	ohms	0.405 to 0.495
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	4±2 BTDC @ 600 to 1000
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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		_/Champion
Type		RN9YCC
Electrode gap	mm	0.85 to 0.95

Electrical system Scudo 1.6i 1996 to 1997

Battery	V / CC / RC	12 L1 250, L2 300
Alternator voltage / full load current / engine rpm		75 or 100A
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Scudo 1.6i 1996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	8.5 with backing
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	_
Estate / Van	Size	195/70x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.5 / 2.5
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 3.0
Camber		0±30'
Castor		+1°±30'. PAS: +3°30'±30'
King pin inclination		+11°28'±40'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 3.0
Camber		-1°±30'

Torque wrench settings Scudo 1.6i 1996 to 1997

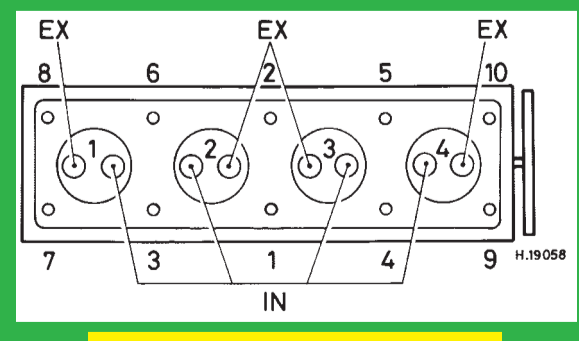
Cylinder head - stage 1	Nm	20'
- stage 2	Nm	Slacken, then 40
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	M6: 17. M8: 30
Flywheel [driveplate]	Nm	85 LkC
Front hubs	Nm	100 +60° oiled
Rear hubs	Nm	100 +60°
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	25 to 30

Capacities Scudo 1.6i 1996 to 1997

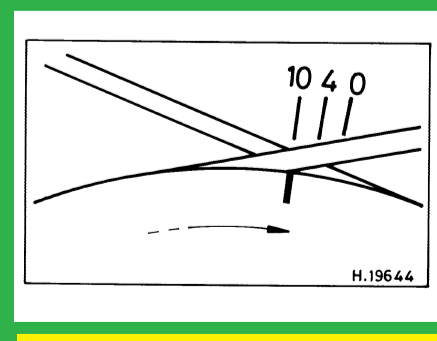
Engine oil & filter	litres	3.75
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	80

Notes and Illustrations

¹Bolt length (below head): Manifold side: ≤101mm. Oil filter side: ≤86mm



1581 cm³, 8V



1581 cm³, 8V