

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

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HELP

Engine and cooling system Scorpio 2.0i 16V 1994 to 1996

Type	N3A DOHC 16V 100kW EEC96	
Capacity (cm ³) / number of cylinders	1998 / 4	
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	1.6 [3.1]
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	-	
Thermostat opening temperature	°C	-
Radiator cap pressure	bar	-

Fuel system Scorpio 2.0i 16V 1994 to 1996

Idle speed - manual [auto]	rpm	875±50 [800±50]
Fast idle speed - manual [auto]	rpm	-
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection	_ Ford	
Type / ref	EEC V SEFI	
Main jet / needle	-	
Injection pressure	bar	-
Pump pressure	bar	-
Octane rating	RON	95[U]

Ignition system Scorpio 2.0i 16V 1994 to 1996

Type	EEC V	
Ignition coil	-	
Primary resistance	ohms	-
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 V = Vacuum NV = No Vacuum	° Crankshaft @ rpm	Computer control N/A
Total ignition advance	° Crankshaft @ rpm	Computer control
Centrifugal check.	° Crankshaft @ rpm	Computer control
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	-
Spark plugs	Motorcraft	
Type	AGPR22C1	
Electrode gap	mm	1.00

Electrical system Scorpio 2.0i 16V 1994 to 1996

Battery	V / CC / RC	-
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 90 / _	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Scorpio 2.0i 16V 1994 to 1996

Brakes -		
Front (min. friction material thickness)	mm	-
Rear (min. friction material thickness)	mm	-
Tyres		
Saloon	Size	195/65x15:205/60x15:205/55x16
Estate / Van	Size	195/65x15: 205/60x15
Pressure - front / rear - Saloon	bar	2.0 / 2.0. 205: 2.2 / 2.2
- Estate / Van	bar	2.0 / 2.0
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	2.0±1.0
Camber		-27'±15'
Castor		4°50'±40'
King pin inclination	-	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-
Camber	-	

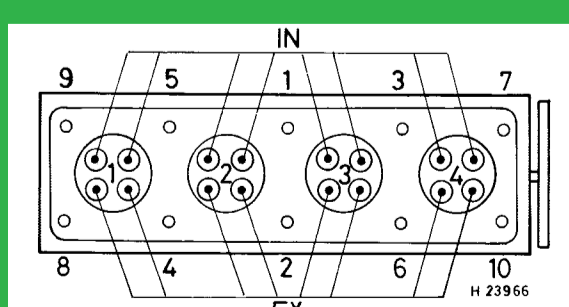
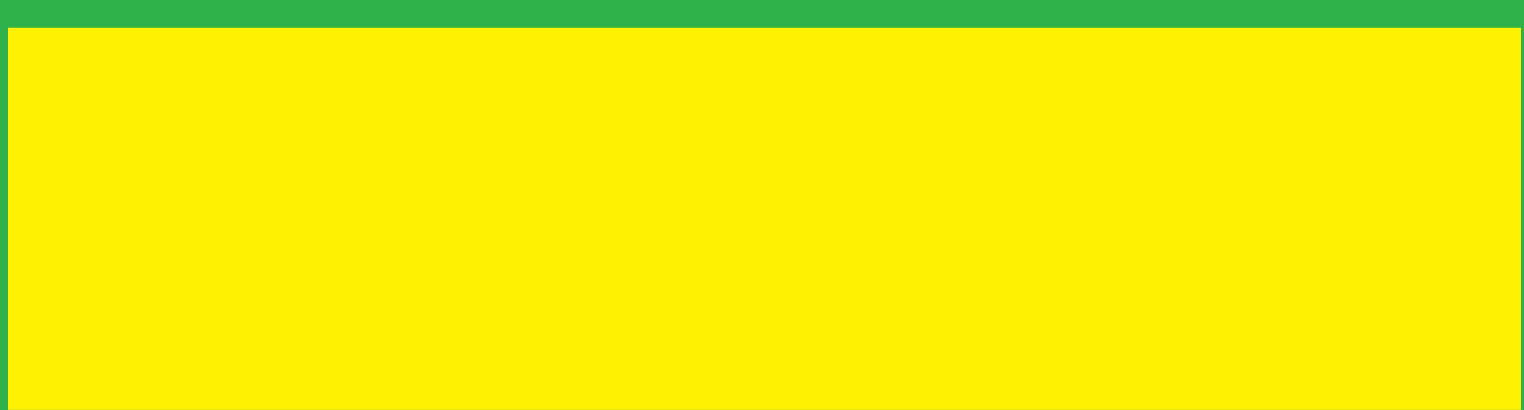
Torque wrench settings Scorpio 2.0i 16V 1994 to 1996

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	55
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	7, 16, + 90° N
Main bearings	Nm	97
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	87
Front hubs	Nm	420
Rear hubs	Nm	290
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	18

Capacities Scorpio 2.0i 16V 1994 to 1996

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	1.2
Automatic transmission - refill	litres	10.3
Final drive	litres	1.3
Cooling system	litres	7.5
Fuel tank	litres	70

Notes and Illustrations



1998 cm³, DOHC 16V