

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 systemScorpio 2.0i 16V1994 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 systemScorpio 2.0i 16V1994 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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 systemScorpio 2.0i 16V1994 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	° Crankshaft @ rpm	Computer control N/A
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		Motorcraft
Type		AGPR22C1
Electrode gap	mm	1.00

Electrical systemScorpio 2.0i 16V1994 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 gearScorpio 2.0i 16V1994 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		—

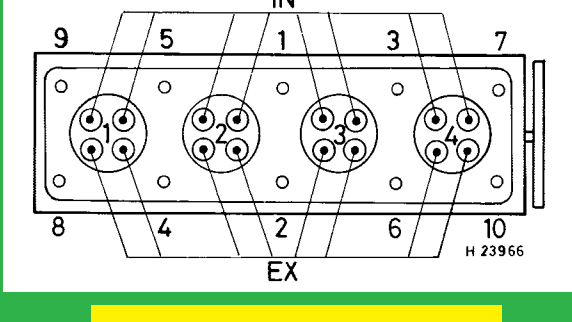
Torque wrench settingsScorpio 2.0i 16V1994 to 1996

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

CapacitiesScorpio 2.0i 16V1994 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