

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 2.9i V6 24V1994 to 1997

Type		BOB DOHC 24V 155kW EEC 96
Capacity (cm ³) / number of cylinders		2933 / 6
Compression ratio / pressure	bar	9.7 / 14.0
Oil pressure	bar	[≥2.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-4-2-5-3-6
No 1 cylinder position		FR
Thermostat opening temperature	°C	—
Radiator cap pressure	bar	—

Fuel systemScorpio 2.9i V6 24V1994 to 1997

Idle speed - manual [auto]	rpm	[730±50]
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		_Ford
Type / ref		EEC V SEFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemScorpio 2.9i V6 24V1994 to 1997

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		_/Champion
Type		RC7YCC4
Electrode gap	mm	1.00

Electrical systemScorpio 2.9i V6 24V1994 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / 100 / _
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearScorpio 2.9i V6 24V1994 to 1997

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

Tyres		
Saloon	Size	225/50x16
Estate / Van	Size	225/50x16
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	2.0 / 2.0

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	2.0 ±1.0
Camber		-30'±1°
Castor		4°51'±40'
King pin inclination		—

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

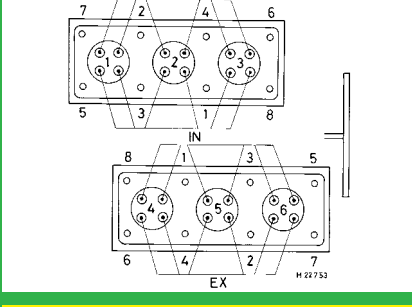
Torque wrench settingsScorpio 2.9i V6 24V1994 to 1997

Cylinder head - stage 1	Nm	50 N
- stage 2	Nm	+ 180°
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	32
Main bearings	Nm	97
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	—
Front hubs	Nm	420
Rear hubs	Nm	290
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	20

CapacitiesScorpio 2.9i V6 24V1994 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	—
Automatic transmission - refill	litres	10.3
Final drive	litres	1.3
Cooling system	litres	9.5
Fuel tank	litres	70

Notes and Illustrations



2933 cm³, 24V