

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 system Scorpio 2.9i V6 24V 1994 to 1997

Type	BOB DOHC 24V 155kW EEC 96	
Capacity (cm <sup>3</sup> ) / 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 system Scorpio 2.9i V6 24V 1994 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	-
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
O <sub>2</sub> @ 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 2.9i V6 24V 1994 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 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	_/Champion	
Type	RC7YCC4	
Electrode gap	mm	1.00

## Electrical system Scorpio 2.9i V6 24V 1994 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 gear Scorpio 2.9i V6 24V 1994 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	-
Rear (min. friction material thickness)	mm	-
<b>Tyres</b>		
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
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	2.0 ±1.0
Camber	-30'±1°	
Castor	4°51'±40'	
King pin inclination	-	
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	-
Camber	-	

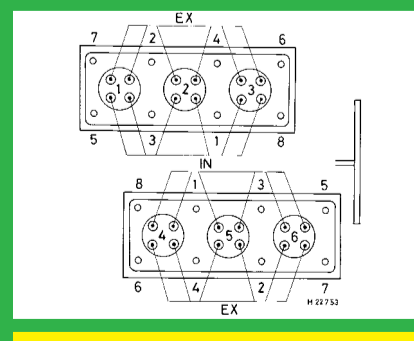
## Torque wrench settings Scorpio 2.9i V6 24V 1994 to 1997

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

## Capacities Scorpio 2.9i V6 24V 1994 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 cm<sup>3</sup>, 24V