

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 systemProbe 2.0i 16V CAT1994 to 1997

Type		DOHC 16V 85kW
Capacity (cm³) / number of cylinders		1991 / 4
Compression ratio / pressure	bar	9.0/ 8.2 to 11.7
Oil pressure	bar	[3.9 to 4.9]
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		TBE
Thermostat opening temperature	°C	80
Radiator cap pressure	bar	0.9 to 1.2

Fuel systemProbe 2.0i 16V CAT1994 to 1997

Idle speed - manual [auto]	rpm	700±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		SEFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemProbe 2.0i 16V CAT1994 to 1997

Type		E-DIS 4
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		AG8P32C
Electrode gap	mm	1.00 to 1.10

Electrical systemProbe 2.0i 16V CAT1994 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 80 / _
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearProbe 2.0i 16V CAT1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	205/55x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	17'±17'
Camber		-42'±45'
Castor		3°1'±45'
King pin inclination		15°25'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	17'±17'
Camber		-42'±42'

Torque wrench settingsProbe 2.0i 16V CAT1994 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	25 + 90°
Main bearings	Nm	20 + 90°
Clutch cover	Nm	24
Flywheel [driveplate]	Nm	100
Front hubs	Nm	280
Rear hubs	Nm	210
Wheel nuts / bolts	Nm	105
Spark plugs	Nm	20

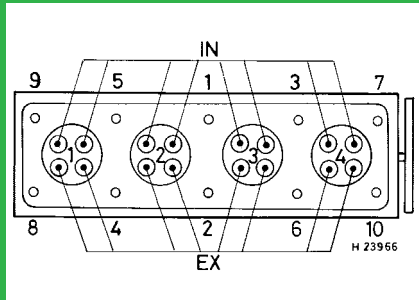
CapacitiesProbe 2.0i 16V CAT1994 to 1997

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	58.5

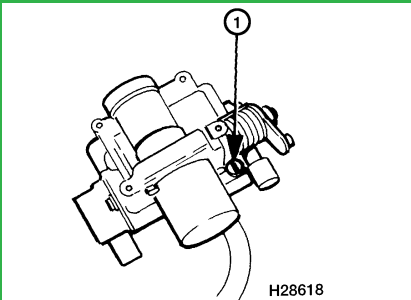
Notes and Illustrations



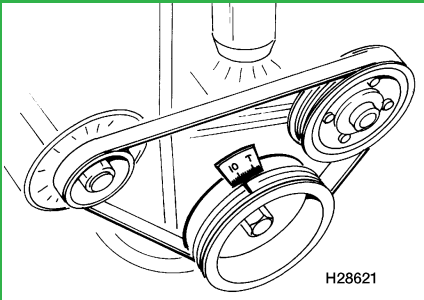
1: Idle speed2: CO / Mixture



1991 cm³, 16V



1991 cm³, 16V



1991 cm³, 16V