

Engine & Cooling

Fuel

Ignition

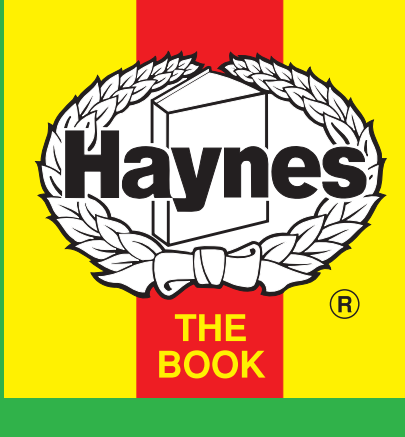
Electrical

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 2.5i 24V CAT1994 to 1997

Type		DOHC 24V V6 119kW
Capacity (cm ³) / number of cylinders		2497 / 6
Compression ratio / pressure	bar	9.2 / 9.7 to 13.9
Oil pressure	bar	1.9 [3.4 to 4.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-3-4-5-6
No 1 cylinder position		—
Thermostat opening temperature	°C	80
Radiator cap pressure	bar	0.7 to 1.0

Fuel systemProbe 2.5i 24V CAT1994 to 1997

Idle speed - manual [auto]	rpm	550 to 750
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		—
Type / ref		SEFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemProbe 2.5i 24V CAT1994 to 1997

Type		E-DIS 6
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		AGSP33C
Electrode gap	mm	1.00 to 1.10

Electrical systemProbe 2.5i 24V CAT1994 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / 90 / —
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearProbe 2.5i 24V CAT1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	225/50x16
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		-54'±45'
Castor		3°1'±45'
King pin inclination		15°44'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	17'±17'
Camber		-54±45'

Torque wrench settingsProbe 2.5i 24V CAT1994 to 1997

Cylinder head - stage 1	Nm	25
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	25 + 90° + 90°
Main bearings	Nm	WSM
Clutch cover	Nm	24
Flywheel [driveplate]	Nm	65
Front hubs	Nm	280
Rear hubs	Nm	210
Wheel nuts / bolts	Nm	105
Spark plugs	Nm	20

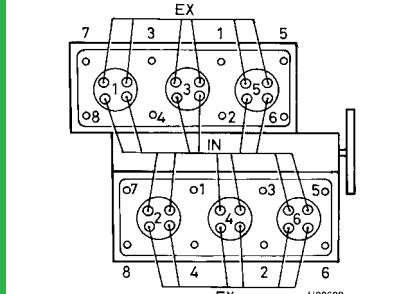
CapacitiesProbe 2.5i 24V CAT1994 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.7
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	58.5

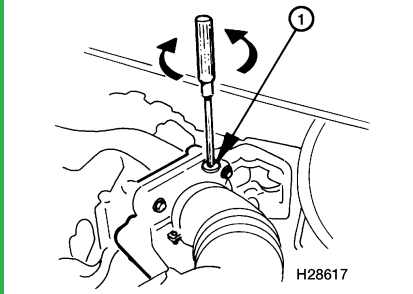
Notes and Illustrations



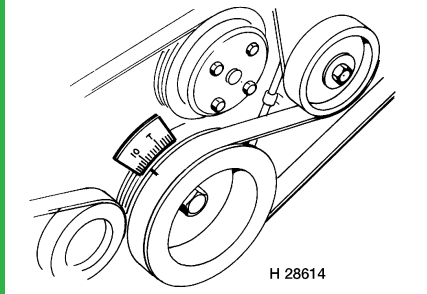
1: Idle speed 2: CO / Mixture



2497 cm³, 24V



2497 cm³, 24V



2497 cm³, 24V