

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 system4 / 4, 1.6i CAT1991 to 1993

Type	LJF (Ford CVH) 75kW	
Capacity (cm³) / number of cylinders	1597 / 4	
Compression ratio / pressure	bar	9.75 / ≥12.3
Oil pressure	bar	1.0 [2.8]
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	85 to 89
Radiator cap pressure	bar	0.90

Fuel system4 / 4, 1.6i CAT1991 to 1993

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Weber	
Type / ref	EECIV EFI	
Main jet / needle	—	
Injection pressure	bar	2.3 to 2.5
Pump pressure	bar	3.0±0.1
Octane rating	RON	95[U]

Ignition system4 / 4, 1.6i CAT1991 to 1993

Type	E-DIS 4	
Ignition coil	High output DIS	
Primary resistance	ohms	0.5±0.5
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	10 BTDC @ 900
V = Vacuum NV = No Vacuum	—	
Total ignition advance	° Crankshaft @ rpm	—
	° 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/Champion	
Type	AGPR22CD1 / C6YCC	
Electrode gap	mm	1.00

Electrical system4 / 4, 1.6i CAT1991 to 1993

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 45 / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear4 / 4, 1.6i CAT1991 to 1993

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

Tyres		
Saloon	Size	165x15: 195/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.5¹
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +3.0
Camber	0 to -30'	
Castor	+4° N/A	
King pin inclination	+2°	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0
Camber	0	

Torque wrench settings4 / 4, 1.6i CAT1991 to 1993

Cylinder head - stage 1	Nm	25
- stage 2	Nm	55
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 to 36
Main bearings	Nm	90 to 100
Clutch cover	Nm	16 to 20
Flywheel [driveplate]	Nm	82 to 92
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	75²
Spark plugs	Nm	27

Capacities4 / 4, 1.6i CAT1991 to 1993

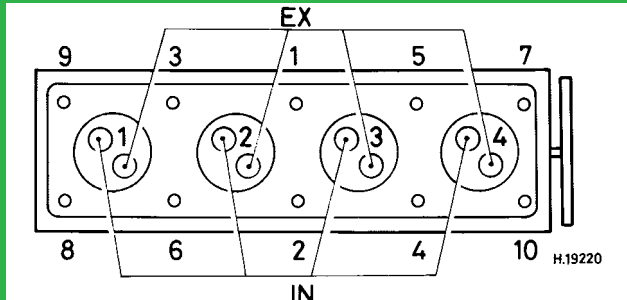
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	—
Final drive	litres	1.0
Cooling system	litres	10.2
Fuel tank	litres	56

Notes and Illustrations

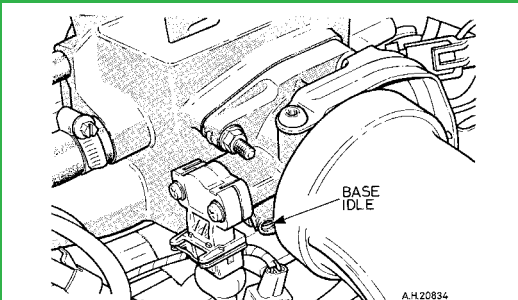
¹195/60x15 tyres. 165x15: 1.2 / 1.2

²Not centre locking wire wheels

1: Idle speed 2: CO / Mixture



1597 cm³



EEC IV EFI