

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Engine and cooling system 4 / 4, 1.6i CAT 1991 to 1993

Type	LJF (Ford CVH) 75kW	
Capacity (cm ³) / 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 system 4 / 4, 1.6i CAT 1991 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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ 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 system 4 / 4, 1.6i CAT 1991 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 system 4 / 4, 1.6i CAT 1991 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 gear 4 / 4, 1.6i CAT 1991 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 / 1.5 ¹
- 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 settings 4 / 4, 1.6i CAT 1991 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	75 ²
Spark plugs	Nm	27

Capacities 4 / 4, 1.6i CAT 1991 to 1993

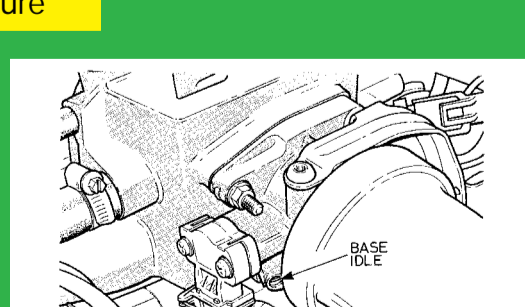
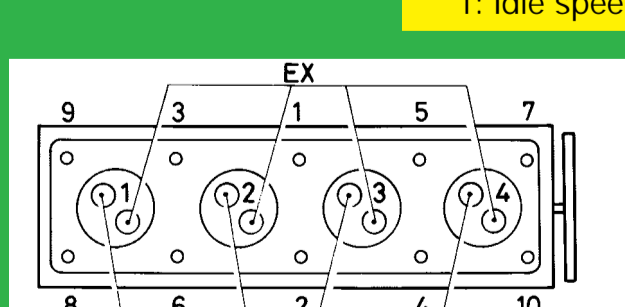
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	—
Final drive	litres	1.0
Cooling system	litres	10.2
Fuel tank	litres	56

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