

Engine & Cooling

Fuel

Ignition

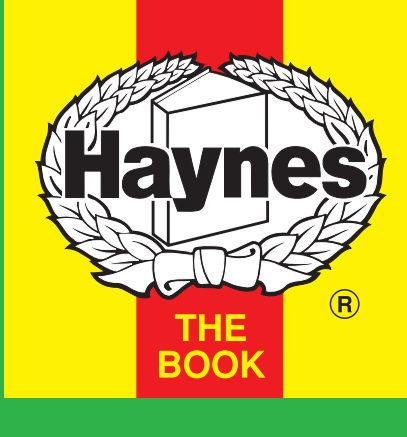
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

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1986 to 1992

Type	LUB (Ford CVH)	
Capacity (cm ³) / number of cylinders	1597 / 4	
Compression ratio / pressure	bar	9.5 / ≥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

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1986 to 1992

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1900±50
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.25
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	2V (TLDM)	
Main jet / needle	117, 127	
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	97[R]

Ignition system

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1986 to 1992

Type	Electronic	
Ignition coil	Bosch	
Primary resistance	ohms	0.72 to 0.88
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 800
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	17.4 to 30.2 @ 2000
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 to 7 @ 1500
	° Crankshaft @ rpm	13 to 19 @ 3000
	° Crankshaft @ rpm	18 to 24.5 @ 5000
Vacuum range check	mbar	0 to 284
Maximum vacuum advance	° Crankshaft	8.7 to 15.2
Spark plugs	Motorcraft/Champion	
Type	AGPR12C or 22C / RC7YC	
Electrode gap	mm	0.75

Electrical system

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1986 to 1992

Battery	V / CC / RC	12 / 48Ah
Alternator voltage / full load current / engine rpm	13.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

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1986 to 1992

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	+2° (195/60 tyres: -1°)	
Castor	+4°	
King pin inclination	+2°	

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

Torque wrench settings

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1986 to 1992

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

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1986 to 1992

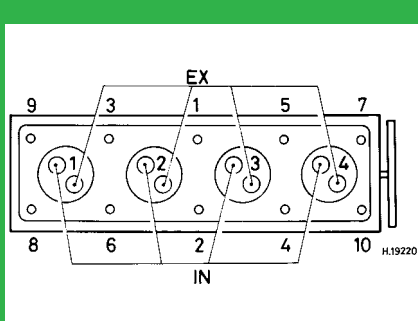
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.9
Automatic transmission - refill	litres	—
Final drive	litres	1.0
Cooling system	litres	11.4
Fuel tank	litres	56

Notes and Illustrations

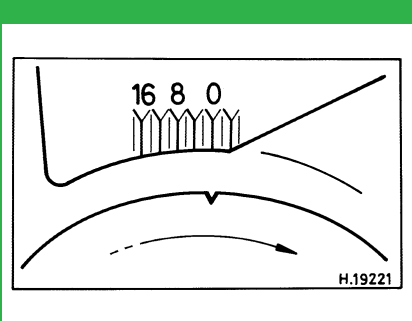
- ¹195/60x15 tyres. 165x15: 1.4 / 1.4
- ²Not centre locking wire wheels

1: Idle speed

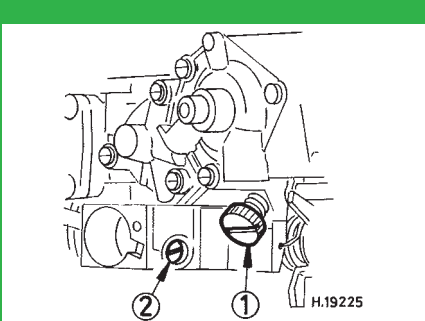
2: CO / Mixture



1597 cm³



1597 cm³



Weber TLDM