

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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MENUHELP

Engine and cooling system

Capri 16001979 to 1988

Type	LCN (OHC)	
Capacity (cm³) / number of cylinders	1593 / 4	
Compression ratio / pressure	bar	9.2 / 11 to 13
Oil pressure	bar	2.1 [2.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.25
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	85 to 98
Radiator cap pressure	bar	0.9

Fuel system

Capri 16001979 to 1988

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.5±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	Ford	
Type / ref	VV	
Main jet / needle	FAJ	
Injection pressure	bar	—
Pump pressure	bar	0.28 to 0.36
Octane rating	RON	97[R]

Ignition system

Capri 16001979 to 1988

Type	Contact breaker - CIS	
Ignition coil	Various	
Primary resistance	ohms	0.95 to 1.6
Ballast resistor	ohms	1.5
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Motorcraft/Bosch	
Points gap (air gap)	mm	Motorcraft: 0.64 ¹
Dwell angle	° (%)	48 to 52
Condenser capacity	µF	Motorcraft: 0.21 to 0.25 ²
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ idle
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Motorcraft: 4 to 10 @ 1500 ³
	° Crankshaft @ rpm	Motorcraft: 18 to 22 @ 3000 ³
	° Crankshaft @ rpm	M'craft: 30.5 to 34.5 @ 5600 ³
Vacuum range check	mbar	68 to 271
Maximum vacuum advance	° Crankshaft	9 to 13
Spark plugs	Motorcraft/Champion	
Type	BF22 / F7YC	
Electrode gap	mm	0.60

Electrical system

Capri 16001979 to 1988

Battery	V / CC / RC	12 / 200 / 70
Alternator voltage / full load current / engine rpm	13.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	45 to 79 / 12
- locked	A / V	380 to 775 / 7

Running gear

Capri 16001979 to 1988

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

Tyres		
Saloon	Size	165x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.9
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +7.0
Camber	+15' to +1°45'	
Castor	+33' to +1°48'	
King pin inclination	—	

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

Torque wrench settings

Capri 16001979 to 1988

Cylinder head - stage 1	Nm	Splined: 20 to 40 ⁴
- stage 2	Nm	Splined: 49 to 69 ⁵
Cylinder head - stage 3	Nm	Splined: 83 to 93 ⁶
- stage 4	Nm	Splined:88 to 108 ⁷
Big-end bearings	Nm	41 to 48
Main bearings	Nm	88 to 102
Clutch cover	Nm	16 to 21
Flywheel [driveplate]	Nm	65 to 71
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	69 to 87
Spark plugs	Nm	20 to 28

Capacities

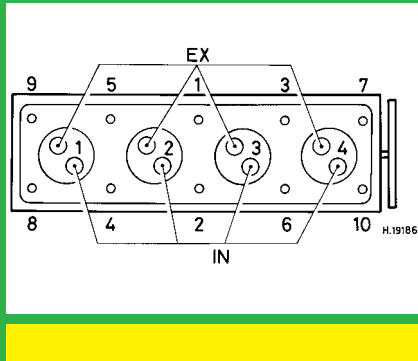
Capri 16001979 to 1988

Engine oil & filter	litres	3.75
Gearbox - 4-speed [5-speed]	litres	C: 1.0 H: 1.5
Automatic transmission - refill	litres	6.5
Final drive	litres	D/J: 1.1
Cooling system	litres	5.75
Fuel tank	litres	58

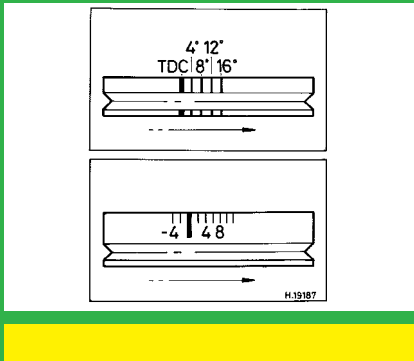
Notes and Illustrations

- ¹Bos: 0.40 to 0.50
- ²Bosch: 0.18 to 0.26
- ³Bos: 4 to 10 @ 1500, 17 to 21 @ 3000, 31 to 35 @ 5600
- ⁴Torx: 35 to 40
- ⁵Torx: 70 to 75
- ⁶Torx: Wait 5 mins. + 90°
- ⁷Splined: Wait 10 to 20 min. Warm engine & retorque to S4 in sequence shown. NOT Torx

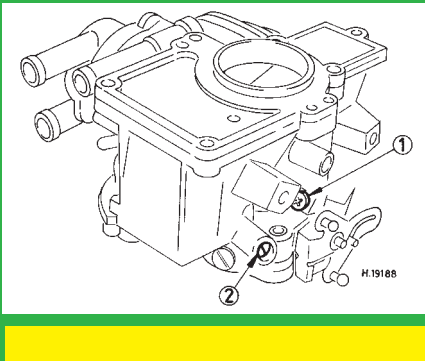
1: Idle speed2: CO / Mixture



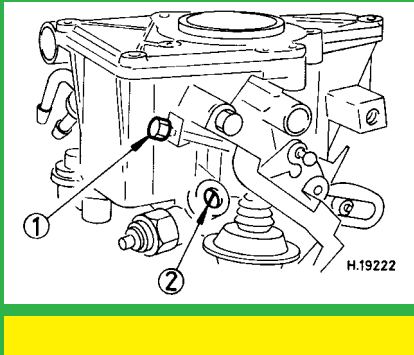
1593 cm³



1593 cm³



Ford VV, early



Ford VV, later