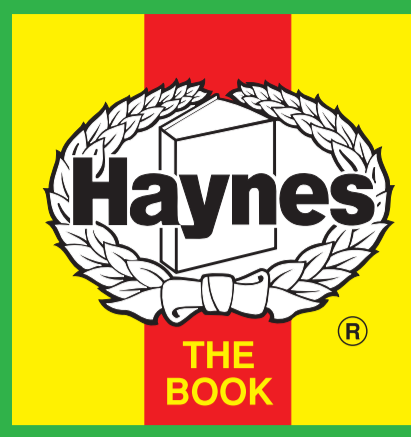


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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 system Capri 1600 1979 to 1988

Type		LCN (OHC)
Capacity (cm <sup>3</sup> ) / 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 1600 1979 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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ 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 1600 1979 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 <sup>1</sup>
Dwell angle	° (%)	48 to 52
Condenser capacity	µF	Motorcraft: 0.21 to 0.25 <sup>2</sup>
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 <sup>3</sup>
° Crankshaft @ rpm		Motorcraft: 18 to 22 @ 3000 <sup>3</sup>
° Crankshaft @ rpm		M'craft: 30.5 to 34.5 @ 5600 <sup>3</sup>
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 1600 1979 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 1600 1979 to 1988

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	—
Rear (min. friction material thickness)	mm	—
<b>Tyres</b>		
Saloon	Size	165x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.9
- Estate / Van	bar	—
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +7.0
Camber		+15' to +1°45'
Castor		+33' to +1°48'
King pin inclination		—
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	—
Camber		—

### Torque wrench settings Capri 1600 1979 to 1988

Cylinder head - stage 1	Nm	Splined: 20 to 40 <sup>4</sup>
- stage 2	Nm	Splined: 49 to 69 <sup>5</sup>
Cylinder head - stage 3	Nm	Splined: 83 to 93 <sup>6</sup>
- stage 4	Nm	Splined:88 to 108 <sup>7</sup>
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

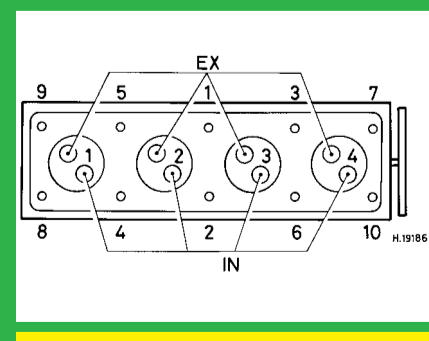
### Capacities Capri 1600 1979 to 1988

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

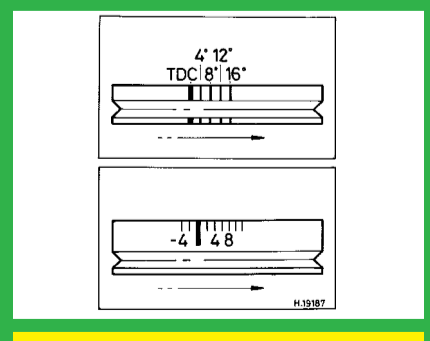
### Notes and Illustrations

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

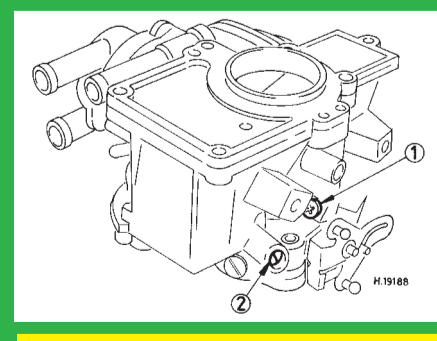
1: Idle speed      2: CO / Mixture



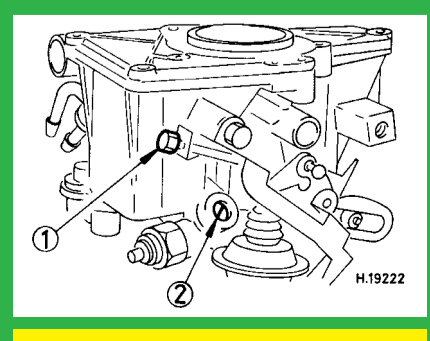
1593 cm<sup>3</sup>



1593 cm<sup>3</sup>



Ford VV, early



Ford VV, later