

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling systemCapri 2.8i1981 to 1988

Type	PRN	
Capacity (cm³) / number of cylinders	2792 / 6	
Compression ratio / pressure	bar	9.2 / ≥11.5
Oil pressure	bar	1.0 [2.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.35
Valve clearance - exhaust	mm	0.40
Firing order	1-4-2-5-3-6	
No 1 cylinder position	FR	
Thermostat opening temperature	°C	79 to 83
Radiator cap pressure	bar	0.85 to 1.10

Fuel systemCapri 2.8i1981 to 1988

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.25±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	Bosch	
Type / ref	K-Jetronic	
Main jet / needle	—	
Injection pressure	bar	2.5 to 4.0
Pump pressure	bar	5.5±0.25
Octane rating	RON	97[R]

Ignition systemCapri 2.8i1981 to 1988

Type	Electronic	
Ignition coil	—	
Primary resistance	ohms	0.75 to 0.85
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ idle
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	21 to 29 @ 2000
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	1 to 5 @ 1200
	° Crankshaft @ rpm	16.5 to 20.5 @ 3000
	° Crankshaft @ rpm	19.5 to 25.5 @ 4400
Vacuum range check	mbar	101 to 253
Maximum vacuum advance	° Crankshaft	8 to 12
Spark plugs	Motorcraft/Champion	
Type	AGR22C / RN7YC	
Electrode gap	mm	0.60

Electrical systemCapri 2.8i1981 to 1988

Battery	V / CC / RC	12 / 200 / 70 or 250 / 80
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 gearCapri 2.8i1981 to 1988

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	205/60 VR13: 195/50 VR15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	205x13: 2.0 / 2.0 ¹
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +7.0
Camber	+30'	
Castor	+1°	
King pin inclination	—	

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

Torque wrench settingsCapri 2.8i1981 to 1988

Cylinder head - stage 1	Nm	39 to 54
- stage 2	Nm	54 to 69
Cylinder head - stage 3	Nm	88 to 108 ²
- stage 4	Nm	88 to 108 ³
Big-end bearings	Nm	29 to 34
Main bearings	Nm	90 to 104
Clutch cover	Nm	17 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	30 to 40

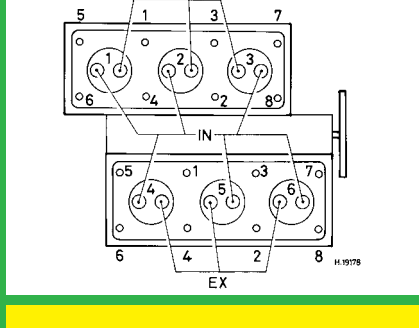
CapacitiesCapri 2.8i1981 to 1988

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	2.0 [1.9]
Automatic transmission - refill	litres	—
Final drive	litres	1.1
Cooling system	litres	8.7
Fuel tank	litres	58

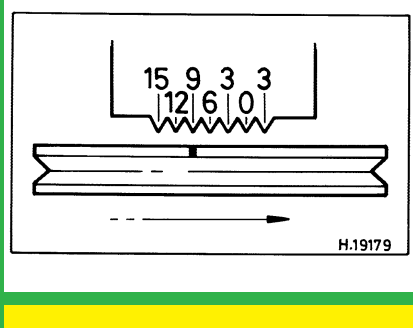
Notes and Illustrations

- ¹195x15: 1.8 / 1.8
- ²Wait 10 to 20 min., then stage 3
- ³Warm engine & retorque to S 4 in sequence shown

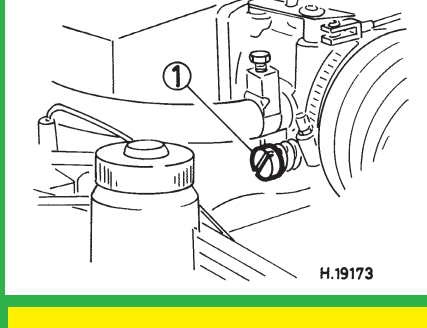
1: Idle speed2: CO / Mixture



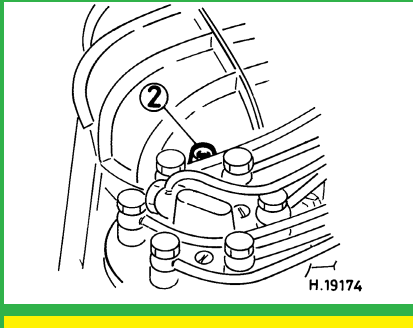
2792 cm³



2792 cm³



K-Jetronic



K-Jetronic