

Engine and cooling system

S (2.8)

1987 to 1988

Type		PRC V6
Capacity (cm ³) / 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	0.36
- exhaust	mm	0.41
Firing order		1-4-2-5-3-6
No 1 cylinder position		FR
Thermostat opening temperature	°C	79 to 83
Radiator cap pressure	bar	1.0

Fuel system

S (2.8)

1987 to 1988

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0±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	3.2 to 3.6
Pump pressure	bar	5.1±0.4
Octane rating	RON	97[L]

Ignition system

S (2.8)

1987 to 1988

Type		Electronic
Ignition coil		Bosch 0221 122 017
Primary resistance	ohms	1.2±0.1
Ballast resistor	ohms	1.1
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Motorcraft/Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 900
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	5.5 @ 1200
	° Crankshaft @ rpm	14.4 to 21.3 @ 3000
	° Crankshaft @ rpm	22 to 30 @ 5100
Vacuum range check	mbar	100 to 233
Maximum vacuum advance	° Crankshaft	10±2
Spark plugs		Motorcraft/Champion
Type		AGR22C / RN7YC
Electrode gap	mm	0.76

Electrical system

S (2.8)

1987 to 1988

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / _ / 3000
Starter motor current / voltage - cranking	A / V	55 to 75 / 12.0
- locked	A / V	400 to 600 / 7.0

Running gear

S (2.8)

1987 to 1988

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

Tyres		
Saloon	Size	205/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.5
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+0.5°±0.25°]
Camber		+1°±0.25°
Castor		+3.5°±0.5°
King pin inclination		+13°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+0.25°±0.25°]
Camber		+1.25°±0.25°

Torque wrench settings

S (2.8)

1987 to 1988

Cylinder head - stage 1	Nm	39 to 54
- stage 2	Nm	54 to 69
- stage 3	Nm	88 to 108 ¹
- stage 4	Nm	88 to 108 ²
Big-end bearings	Nm	26 to 33
Main bearings	Nm	89 to 104
Clutch cover	Nm	19
Flywheel [driveplate]	Nm	65 to 71
Front hubs	Nm	274 to 315
Rear hubs	Nm	251 to 290
Wheel nuts / bolts	Nm	95
Spark plugs	Nm	30 to 40

Capacities

S (2.8)

1987 to 1988

Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	—
Final drive	litres	1.4
Cooling system	litres	10.2
Fuel tank	litres	54.5

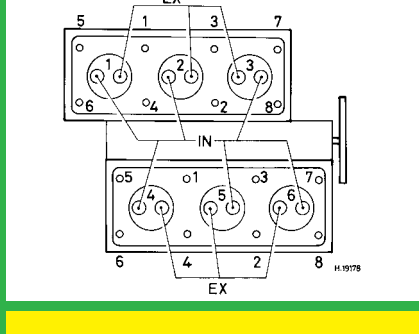
Notes and Illustrations

¹After 10 minutes

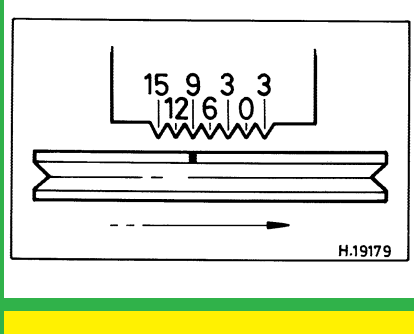
²After warm up

1: Idle speed

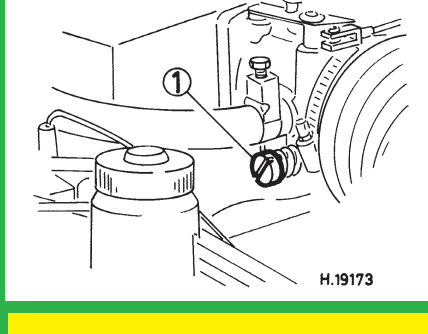
2: CO / Mixture



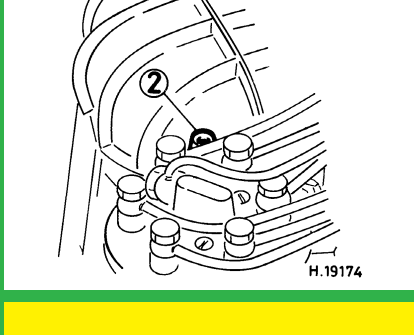
2792 cm³



2792 cm³



K-Jetronic



K-Jetronic