

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

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HELP

Engine and cooling system Escort 1.1 1989 to 1990

Type	GUC. 1.1 HC 2V HCS	
Capacity (cm ³) / number of cylinders	1118 / 4	
Compression ratio / pressure	bar	9.5 / ≥13.2
Oil pressure	bar	0.6
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20 to 0.25
Valve clearance - exhaust	mm	0.30 to 0.35
Firing order	1-2-4-3	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	1.0

Fuel system Escort 1.1 1989 to 1990

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	2800
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Weber	
Type / ref	TLDM (2V)	
Main jet / needle	92, 122	
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	95[E 95 RON]

Ignition system Escort 1.1 1989 to 1990

Type	UESC - DIS	
Ignition coil	—	
Primary resistance	ohms	0.5 to 1.0
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static	° Crankshaft @ rpm	[10 BTDC]
V = Vacuum NV = No Vacuum	—	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs	Motorcraft/Champion	
Type	AGRF22C1 / RS9YC	
Electrode gap	mm	1.00

Electrical system Escort 1.1 1989 to 1990

Battery	V / CC / RC	12 / 200 / 70
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / _ / 4000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear Escort 1.1 1989 to 1990

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	145x13
Estate / Van	Size	155x13
Pressure - front / rear - Saloon	bar	¹
- Estate / Van	bar	1.6 / 2.0
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.5±1.0
Camber	3D: +10' 5D: +6' ²	
Castor	3D: +2°4'. 5D: +2°11' ³	
King pin inclination	—	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	¹
Camber	¹	

Torque wrench settings Escort 1.1 1989 to 1990

Cylinder head - stage 1	Nm	30
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	4 + 90°
Main bearings	Nm	88 to 102
Clutch cover	Nm	25 to 34
Flywheel [driveplate]	Nm	64 to 70
Front hubs	Nm	205 to 235
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	70 to 100
Spark plugs	Nm	14 to 20

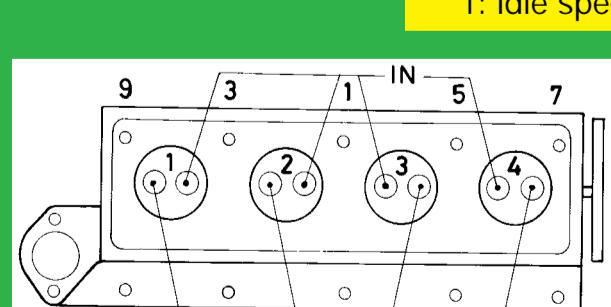
Capacities Escort 1.1 1989 to 1990

Engine oil & filter	litres	3.3
Gearbox - 4-speed [5-speed]	litres	2.8 [3.1]
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.1
Fuel tank	litres	48. Van: 50

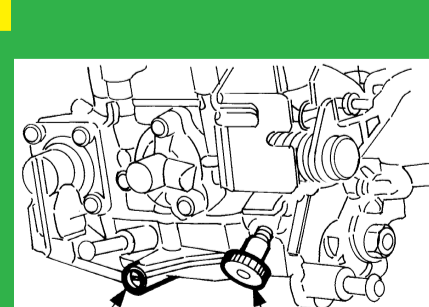
Notes and Illustrations

- ¹WSM
- ²Est: +27'. Van: +20'. 4D: 0
- ³Est: +2°26'. 35 van: +1°46'. 55 van: +1°26'. 4D: +2°32'

1: Idle speed 2: CO / Mixture



1118 cm³



Weber TLDM