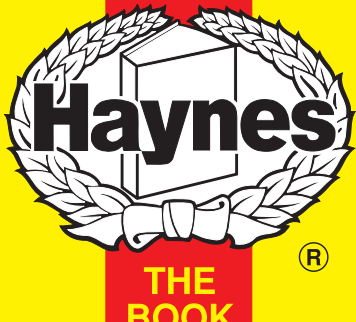


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Escort 1.11989 to 1990

Type	GUC. 1.1 HC 2V HCS	
Capacity (cm³) / 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 1.11989 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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 1.11989 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 1.11989 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 1.11989 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 1.11989 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

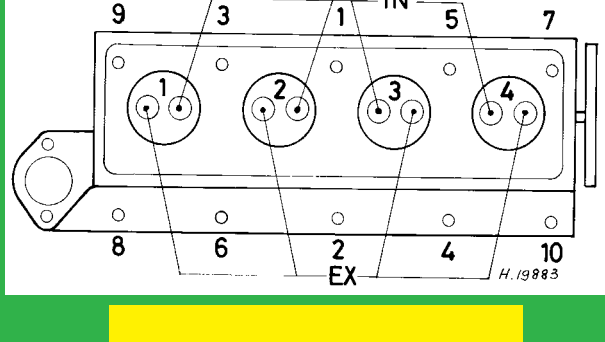
Escort 1.11989 to 1990

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

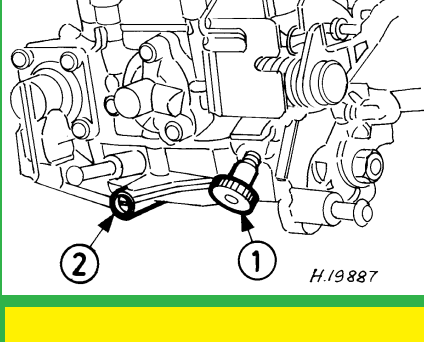
Notes and Illustrations

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

1: Idle speed2: CO / Mixture



1118 cm³



Weber TLDM