

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & 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.

MENU

HELP

Engine and cooling system

Escort & Orion 1.4 1990 to 1993

Type		FUH. (54kW). 15.05 ¹
Capacity (cm ³) / number of cylinders		1392 / 4
Compression ratio / pressure	bar	8.5 / 12 to 14
Oil pressure	bar	1.0 [2.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	1.2 to 1.4

Fuel system

Escort & Orion 1.4 1990 to 1993

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1900±50
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		2V (TLD). 91SF-9510-BB
Main jet / needle		107, 140
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	98[E 95 RON]

Ignition system

Escort & Orion 1.4 1990 to 1993

Type		ESC P1 - DIS
Ignition coil		High output DIS
Primary resistance	ohms	0.5±0.05
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	—
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		AGPR22CD / RC7YCC
Electrode gap	mm	0.75

Electrical system

Escort & Orion 1.4 1990 to 1993

Battery	V / CC / RC	12 / 270 / 50, 360 / 60
Alternator voltage / full load current / engine rpm		13.5 / 55, 70 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Escort & Orion 1.4 1990 to 1993

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	175/70x13: 185/60x14
Estate / Van	Size	165x13: 175/70x13: 185/60x14
Pressure - front / rear - Saloon	bar	2.0 / 1.8
- Estate / Van	bar	2.0 / 1.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.0
Camber		-15'±1°20'. Van: -22'±1°20'
Castor		0±1°15'. Van: -48'±1°15'
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0
Camber		-1°+30'-1°

Torque wrench settings

Escort & Orion 1.4 1990 to 1993

Cylinder head - stage 1	Nm	20 to 40
- stage 2	Nm	40 to 60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 to 36
Main bearings	Nm	90 to 100
Clutch cover	Nm	25 to 34
Flywheel [driveplate]	Nm	82 to 92
Front hubs	Nm	205 to 235 ²
Rear hubs	Nm	250 to 270
Wheel nuts / bolts	Nm	70 to 100
Spark plugs	Nm	17 to 33

Capacities

Escort & Orion 1.4 1990 to 1993

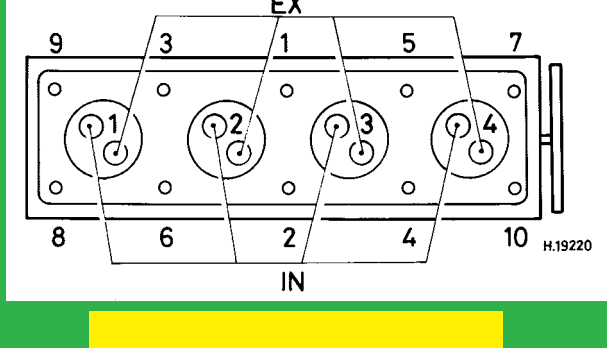
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.6
Fuel tank	litres	55

Notes and Illustrations

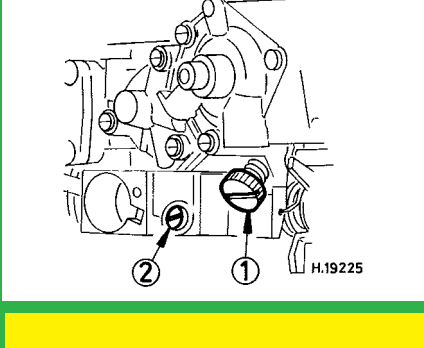
¹With pulse-air system

²ABS: 220 to 250

1: Idle speed 2: CO / Mixture



1392 cm³



Weber TLD