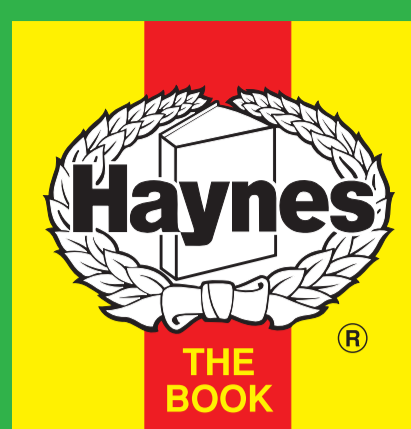


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 1.6i & CAT 1990 to 1992

Type	LJE CVH 79kW. 15.04 ¹	
Capacity (cm ³) / number of cylinders	1597 / 4	
Compression ratio / pressure	bar	9.75 / 12 to 14
Oil pressure	bar	0.6 [1.5]
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 1.6i & CAT 1990 to 1992

Idle speed - manual [auto]	rpm	900±50. Base idle: 750±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.8±0.25. CAT: ≤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	EEC IV / EFI	
Main jet / needle	—	
Injection pressure	bar	2.3 to 2.5
Pump pressure	bar	3.0±0.1
Octane rating	RON	97[E 95 RON] ²

Ignition system Escort & Orion 1.6i & CAT 1990 to 1992

Type	E-DIS 4	
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	[10±2 BTDC] N/A
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	AGPR22CD1 / C6YCC	
Electrode gap	mm	1.00

Electrical system Escort & Orion 1.6i & CAT 1990 to 1992

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 1.6i & CAT 1990 to 1992

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	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'	
Castor	0±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 1.6i & CAT 1990 to 1992

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	220 to 250
Rear hubs	Nm	250 to 270
Wheel nuts / bolts	Nm	70 to 100
Spark plugs	Nm	17 to 33

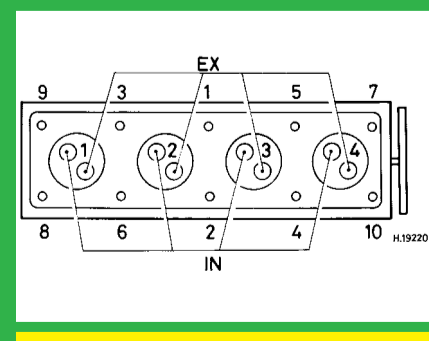
Capacities Escort & Orion 1.6i & CAT 1990 to 1992

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	7.8
Fuel tank	litres	55

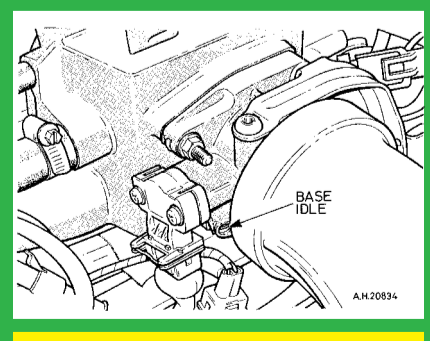
Notes and Illustrations

¹CAT: LJF CVH 75kW US83
²CAT: 95 [U]

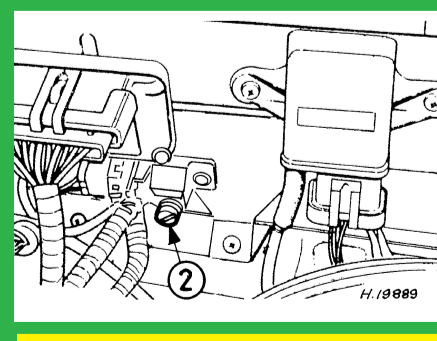
1: Idle speed 2: CO / Mixture



1597 cm³, LJE



Weber EEC IV / EFI



Weber EEC IV / EFI