

Engine & Cooling

Fuel

Ignition

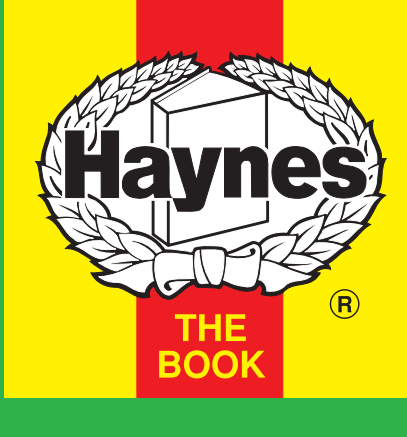
Electrical

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.

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HELP

Engine and cooling system

Escort Turbo

1986 to 1990

Type		LNA (CVH 1-4 Turbo)
Capacity (cm³) / number of cylinders		1597 / 4
Compression ratio / pressure	bar	8.3 / 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

Fuel system

Escort Turbo

1986 to 1990

Idle speed - manual [auto]	rpm	900±20
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.5±0.3
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		KE-Jetronic
Main jet / needle		—
Injection pressure	bar	2.6
Pump pressure	bar	5.5 to 6.0
Octane rating	RON	97[E 98 RON]

Ignition system

Escort Turbo

1986 to 1990

Type		ESC II
Ignition coil		—
Primary resistance	ohms	1.0 to 1.2
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Controlled by ESC II module
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs		Motorcraft/Champion
Type		AGPR901C1 / RC7YC
Electrode gap	mm	1.00

Electrical system

Escort Turbo

1986 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 Turbo

1986 to 1990

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

Tyres		
Saloon	Size	195/50x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-2.5±1.0
Camber		-53'±1°
Castor		+2°36'±1°
King pin inclination		—

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

Torque wrench settings

Escort Turbo

1986 to 1990

Cylinder head - stage 1	Nm	25
- stage 2	Nm	55
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	24 to 35
Flywheel [driveplate]	Nm	82 to 92
Front hubs	Nm	205 to 235
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	70 to 100
Spark plugs	Nm	17 to 33

Capacities

Escort Turbo

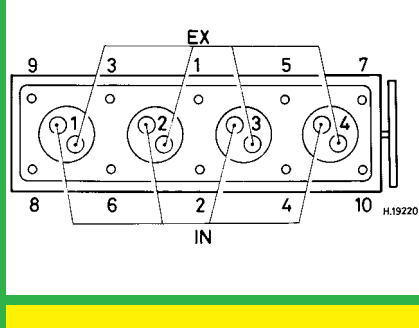
1986 to 1990

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	7.9
Fuel tank	litres	48

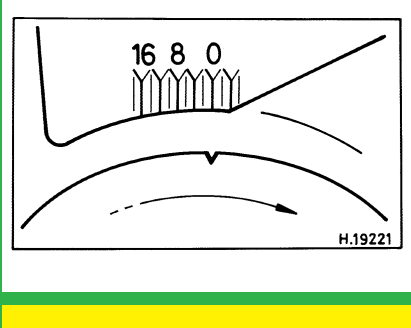
Notes and Illustrations



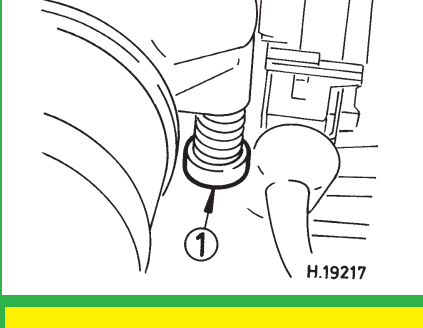
1: Idle speed 2: CO / Mixture



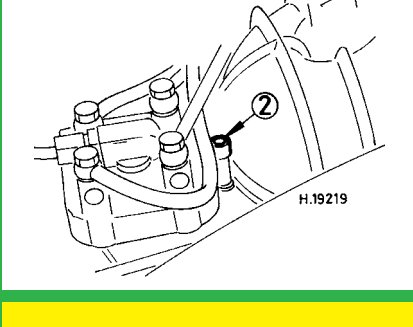
1597 cm³



1597 cm³, not DIS



KE-Jetronic



KE-Jetronic