

Engine & Cooling

Fuel

Ignition

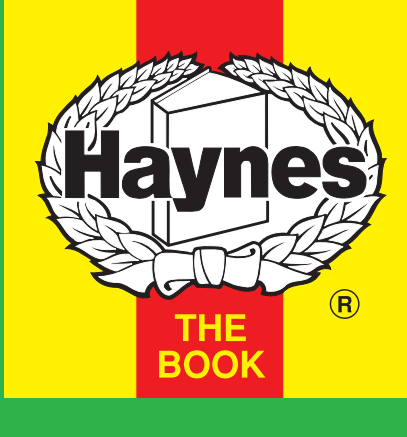
Electrical

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

Fiesta 1.6i & CAT

1989 to 1992

Type		LUC CVH 81kW. 15.04 ¹
Capacity (cm ³) / number of cylinders		1597 / 4
Compression ratio / pressure	bar	9.75 / 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	1.0

Fuel system

Fiesta 1.6i & CAT

1989 to 1992

Idle speed - manual [auto]	rpm	900±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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Ford
Type / ref		EEC IV, Weber injectors
Main jet / needle		—
Injection pressure	bar	2.3 to 2.5
Pump pressure	bar	3.0±0.1
Octane rating	RON	95[E 95 RON] ²

Ignition system

Fiesta 1.6i & CAT

1989 to 1992

Type		E-DIS 4
Ignition coil		High output DIS
Primary resistance	ohms	4.5 to 5.0
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±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

Fiesta 1.6i & CAT

1989 to 1992

Battery	V / CC / RC	12 / 360 / 60, 500/70
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / 50,70,90 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Fiesta 1.6i & CAT

1989 to 1992

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

Tyres		
Saloon	Size	185/60x13: 185/55x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.0 / 1.8 ³
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.0 ⁴
Camber		+13'±1°15' ⁵
Castor		+45'±1° ⁶
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+0.7±2.0 ⁷
Camber		-1°1'+30'-1° ⁸

Torque wrench settings

Fiesta 1.6i & CAT

1989 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	205 to 235
Rear hubs	Nm	250 to 290
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	17 to 33

Capacities

Fiesta 1.6i & CAT

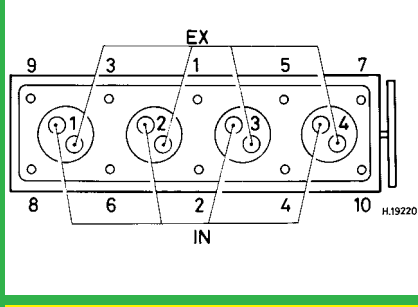
1989 to 1992

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	42

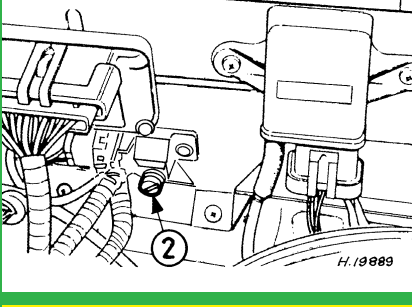
Notes and Illustrations

- ¹CAT: LUD CVH 76kW US83
- ²CAT: 95 [U]
- ³185/55x14: 2.0 / 2.0
- ⁴90 ►: -2.0±1.0
- ⁵90 ►: -4'±1°20'. 91 ►: +1°4'±1°20'
- ⁶90 ►: +56'±1°15'. 91 ►: +14'±1°15'
- ⁷4.90 ►: +2.3±2.0
- ⁸4.90 ►: -1°+30'-1°

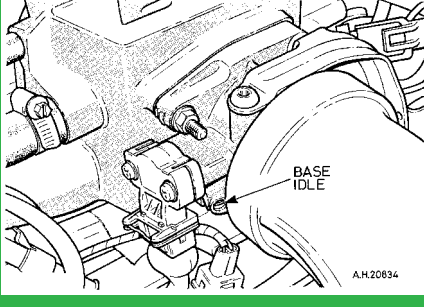
1: Idle speed 2: CO / Mixture



1597 cm³, CVH



EEC IV, Weber



EEC IV, Weber