

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

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### Engine and cooling system Fiesta 1.3i & Courier CAT 1991 to 1996

Type	J6B HCS CFI 44kW US83	
Capacity (cm <sup>3</sup> ) / number of cylinders	1297 / 4	
Compression ratio / pressure	bar	8.8 / 13 to 16
Oil pressure	bar	0.6 [1.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
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	1.2 to 1.4

### Fuel system Fiesta 1.3i & Courier CAT 1991 to 1996

Idle speed - manual [auto]	rpm	900±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Ford	
Type / ref	EEC IV / CFI	
Main jet / needle	—	
Injection pressure	bar	1.0
Pump pressure	bar	≥3.0
Octane rating	RON	95[U]

### Ignition system Fiesta 1.3i & Courier CAT 1991 to 1996

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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	[10±2 BTDC] N/A
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 / RS9YC	
Electrode gap	mm	1.00

### Electrical system Fiesta 1.3i & Courier CAT 1991 to 1996

Battery	V / CC / RC	12 / 270 / 50, 360 / 60, 500/70
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 50, 70 / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

### Running gear Fiesta 1.3i & Courier CAT 1991 to 1996

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.0

<b>Tyres</b>		
Saloon	Size	145x13: 155/70x13: 165/65x13
Estate / Van	Size	145x13: 165/70x13
Pressure - front / rear - Saloon	bar	1.8 / 1.8. 155/70: 2.0 / 1.8
- Estate / Van	bar	1.8 / 1.8. Courier: 2.0 / 1.8

### Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-2.0±1.0
Camber	-8'±1°20'. Van: -3'±1°20' <sup>1</sup>	
Castor	+53'±1°15'. Van: +51'±1°15' <sup>2</sup>	
King pin inclination	—	

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.3±2.0 <sup>3</sup>
Camber	-1°+30'-1° <sup>4</sup>	

### Torque wrench settings Fiesta 1.3i & Courier CAT 1991 to 1996

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	24 to 35
Flywheel [driveplate]	Nm	64 to 70
Front hubs	Nm	205 to 235
Rear hubs	Nm	250 to 290
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	14 to 20

### Capacities Fiesta 1.3i & Courier CAT 1991 to 1996

Engine oil & filter	litres	3.25
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	7.1
Fuel tank	litres	42

### Notes and Illustrations

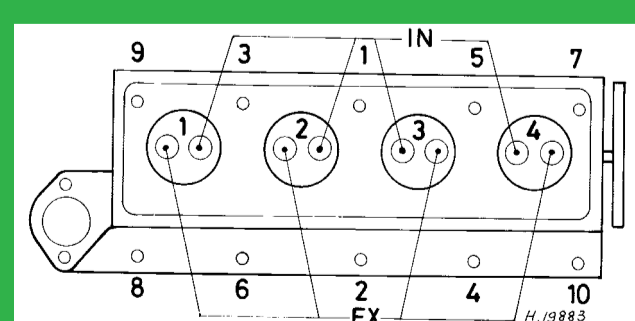
<sup>1</sup>92 ►: -9'±1°20'. Van: -6'±1°20'

<sup>2</sup>92 ►: +51'±1°15'. Van: +53'±1°15'

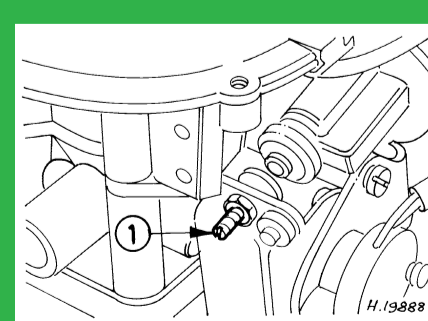
<sup>3</sup>Courier: +1.35±0.5

<sup>4</sup>Courier: -24.5'±10'

1: Idle speed      2: CO / Mixture



1297 cm<sup>3</sup>



EEC IV / CFI