

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 Fiesta 1.4i & Van CAT 1990 to 1995

Type	F6E (52kW). US83	
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	1.0

Fuel system Fiesta 1.4i & Van CAT 1990 to 1995

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Weber	
Type / ref	CFI with EEC IV control	
Main jet / needle	—	
Injection pressure	bar	1.0
Pump pressure	bar	≥3.0
Octane rating	RON	95[U]

Ignition system Fiesta 1.4i & Van CAT 1990 to 1995

Type	E-DIS 4	
Ignition coil	Bosch. Femsa. Polmot.	
Primary resistance	ohms	0.50±0.05
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 1200±50
V = Vacuum NV = No Vacuum	NV	
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	AGPR32CD1 / RC7YCC	
Electrode gap	mm	1.00

Electrical system Fiesta 1.4i & Van CAT 1990 to 1995

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 1.4i & Van CAT 1990 to 1995

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	155/70x13
Estate / Van	Size	145x13
Pressure - front / rear - Saloon	bar	2.0 / 1.8
- Estate / Van	bar	1.8 / 1.8
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.0±1.0
Camber	-8'±1°20'. Van: -3'±1°20' ¹	
Castor	+53'±1°15'. Van: +51'±1°15' ²	
King pin inclination	—	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.3±2.0
Camber	-1°+30'-1°	

Torque wrench settings Fiesta 1.4i & Van CAT 1990 to 1995

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	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	27

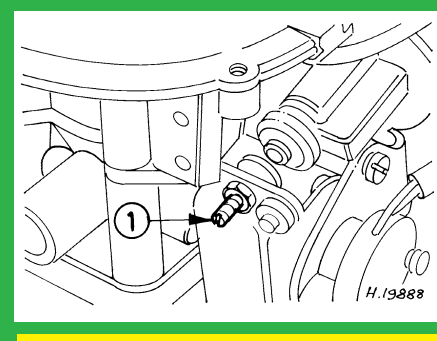
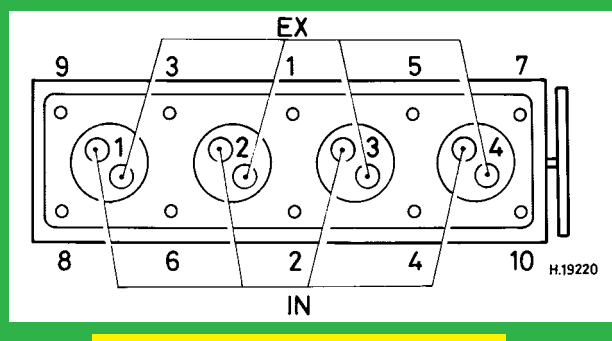
Capacities Fiesta 1.4i & Van CAT 1990 to 1995

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	42

Notes and Illustrations

¹92 ▶: -9'±1°20'
²92 ▶: +51'±1°15'

1: Idle speed 2: CO / Mixture



1392 cm³

EEC IV / CFI