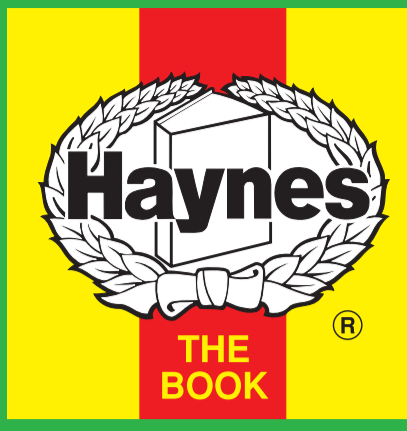


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 1100 1986 to 1989

Type		GSF
Capacity (cm ³) / number of cylinders		1117 / 4
Compression ratio / pressure	bar	9.5 / 13.3 to 15.3
Oil pressure	bar	0.6 [1.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20 to 0.25
Valve clearance - exhaust	mm	0.55 to 0.61
Firing order		1-2-4-3
No 1 cylinder position		TCE
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.9

Fuel system Fiesta 1100 1986 to 1989

Idle speed - manual [auto]	rpm	800±50 [850±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		Ford
Type / ref		VV. 84BF-9510-KFC
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	97[RA] ¹

Ignition system Fiesta 1100 1986 to 1989

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.13 to 1.33
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	6 BTDC @ idle ¹
V = Vacuum NV = No Vacuum		V
Total ignition advance	° Crankshaft @ rpm	13 to 19 @ 2000
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	3 to 9 @ 2000
	° Crankshaft @ rpm	7 to 13 @ 3000
	° Crankshaft @ rpm	11 to 17 @ 4000
Vacuum range check	mbar	0 to 400
Maximum vacuum advance	° Crankshaft	13 to 19
Spark plugs		Motorcraft/Champion
Type		AGRF22 / RS9YC
Electrode gap	mm	0.75

Electrical system Fiesta 1100 1986 to 1989

Battery	V / CC / RC	12 / 150 / 55
Alternator voltage / full load current / engine rpm		13.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear Fiesta 1100 1986 to 1989

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

Tyres		
Saloon	Size	135x13: 155/70x13
Estate / Van	Size	135x13: 155/70x13
Pressure - front / rear - Saloon	bar	1.8 / 1.8 ²
- Estate / Van	bar	1.8 / 1.8 ²

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-3.0±1.0
Camber		+2°±1°
Castor		+30'+1°15'-1°
King pin inclination		—

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	—
Camber		—

Torque wrench settings Fiesta 1100 1986 to 1989

Cylinder head - stage 1	Nm	10 to 15
- stage 2	Nm	40 to 50
Cylinder head - stage 3	Nm	80 to 90
- stage 4	Nm	100 to 110 ³
Big-end bearings	Nm	26 to 33
Main bearings	Nm	88 to 102
Clutch cover	Nm	9 to 11 ⁴
Flywheel [driveplate]	Nm	64 to 70
Front hubs	Nm	205 to 235
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	15 to 20

Capacities Fiesta 1100 1986 to 1989

Engine oil & filter	litres	3.25
Gearbox - 4-speed [5-speed]	litres	2.8 [3.1]
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	5.3
Fuel tank	litres	40

Notes and Illustrations

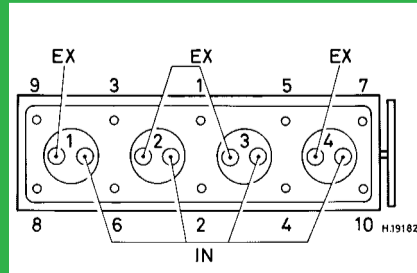
¹[E 95 RON]: 2° BTDC @ idle

²155/70x13: 1.6 / 1.8. CTX AT: 2.0 / 2.0

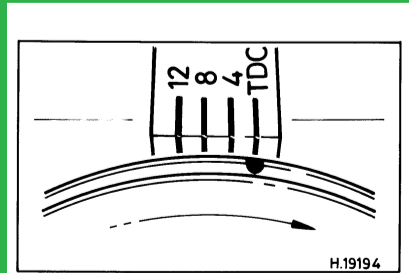
³Wait 10 to 20 minutes

⁴87 ▶: 24 to 35

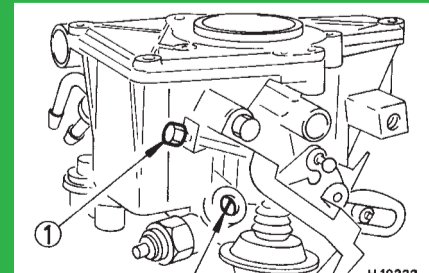
1: Idle speed 2: CO / Mixture



1117 cm³



1117 cm³



Ford VV