

Engine & Cooling

Fuel

Ignition

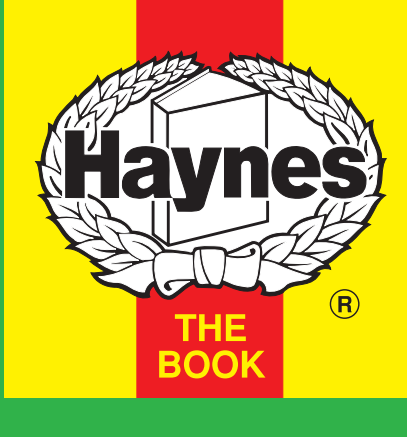
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemFiesta 11001986 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 systemFiesta 11001986 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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 systemFiesta 11001986 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 systemFiesta 11001986 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 gearFiesta 11001986 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 settingsFiesta 11001986 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

CapacitiesFiesta 11001986 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

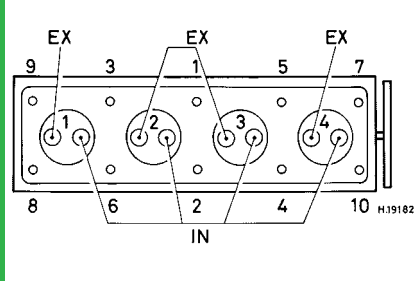
¹[E 95 RON]: 2° BTDC @ idle

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

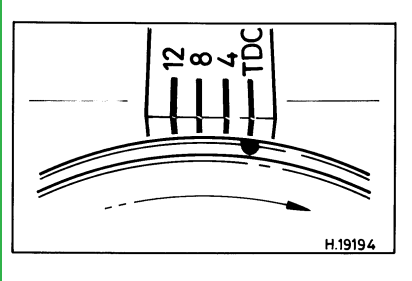
³Wait 10 to 20 minutes

⁴87 ►: 24 to 35

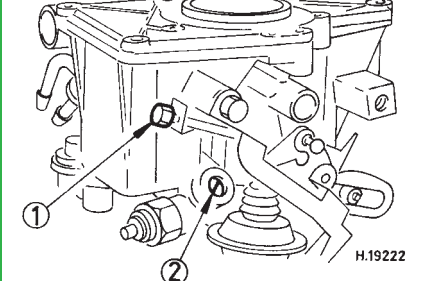
1: Idle speed 2: CO / Mixture



1117 cm³



1117 cm³



Ford VV