

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

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HELP

## Engine and cooling system Fiesta 950 1986 to 1989

Type		TKB
Capacity (cm <sup>3</sup> ) / number of cylinders		957 / 4
Compression ratio / pressure	bar	8.5 / 10.2 to 12.2
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 950 1986 to 1989

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1400±100 (Weber 3300±100)
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/Weber
Type / ref		F: 1V. W: TLM
Main jet / needle		F: 107. W: 112
Injection pressure	bar	-
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	91[E 95 RON]

## Ignition system Fiesta 950 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	10 BTDC @ idle
V = Vacuum  NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	5 to 15 @ 2000
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	-1 to 5 @ 2000
	° Crankshaft @ rpm	7 to 13 @ 3000
	° Crankshaft @ rpm	12 to 18 @ 4000
Vacuum range check	mbar	0 to 200
Maximum vacuum advance	° Crankshaft	6 to 10
Spark plugs		Motorcraft/Champion
Type		AGRF22 / RS9YC
Electrode gap	mm	0.75

## Electrical system Fiesta 950 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 950 1986 to 1989

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

<b>Tyres</b>		
Saloon	Size	135x13
Estate / Van	Size	135x13
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	1.8 / 1.8

## 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 950 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 <sup>1</sup>
Big-end bearings	Nm	26 to 33
Main bearings	Nm	88 to 102
Clutch cover	Nm	9 to 11 <sup>2</sup>
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 950 1986 to 1989

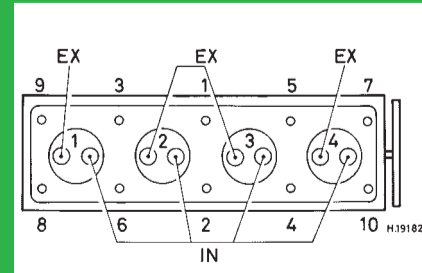
Engine oil & filter	litres	3.25
Gearbox - 4-speed [5-speed]	litres	2.8 [3.1]
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	5.3
Fuel tank	litres	40

## Notes and Illustrations

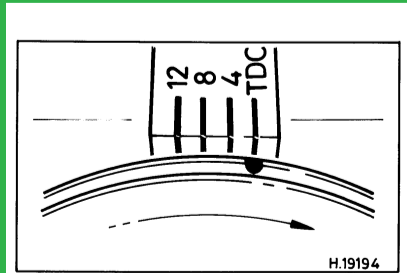
<sup>1</sup>Wait 10 to 20 minutes

<sup>2</sup>87 ▶: 24 to 35

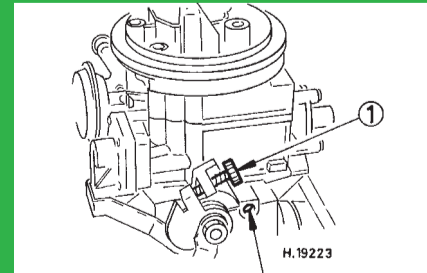
1: Idle speed    2: CO / Mixture



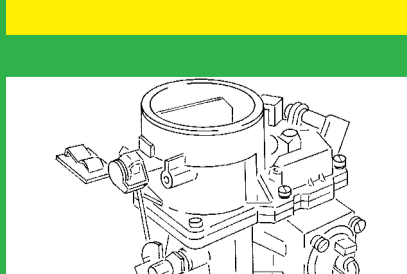
957 cm<sup>3</sup>



957 cm<sup>3</sup>



Weber TLM, ▶1989



Ford 1V