

Engine & Cooling

Fuel

Ignition

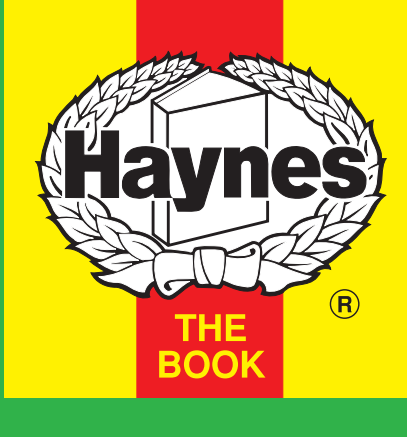
Electrical

Running gear

Torque settings

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemFiesta 9501986 to 1989

Type	TKB	
Capacity (cm ³) / 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 systemFiesta 9501986 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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 systemFiesta 9501986 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 systemFiesta 9501986 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 9501986 to 1989

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

Tyres		
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 settingsFiesta 9501986 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 ¹
Big-end bearings	Nm	26 to 33
Main bearings	Nm	88 to 102
Clutch cover	Nm	9 to 11 ²
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 9501986 to 1989

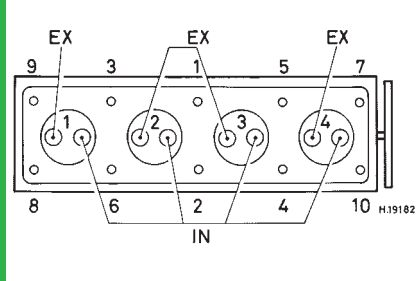
Engine oil & filter	litres	3.25
Gearbox - 4-speed [5-speed]	litres	2.8 [3.1]
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	5.3
Fuel tank	litres	40

Notes and Illustrations

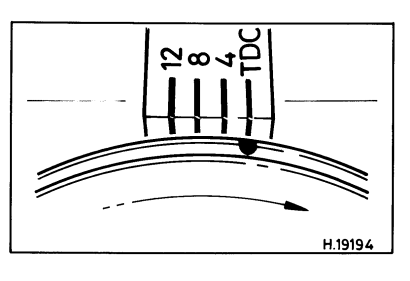
¹Wait 10 to 20 minutes

²87 ►: 24 to 35

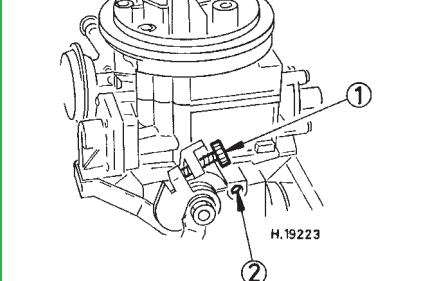
1: Idle speed 2: CO / Mixture



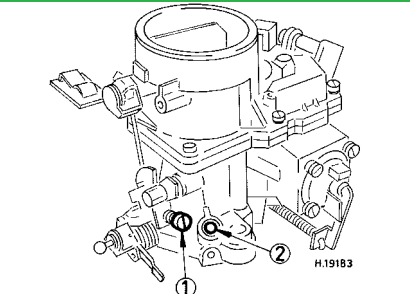
957 cm³



957 cm³



Weber TLM, ►1989



Ford 1V