

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Fiesta 1.41989 to 1992

Type		FUF (55kW). 15.04
Capacity (cm³) / number of cylinders		1392 / 4
Compression ratio / pressure	bar	9.5 / 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 1.41989 to 1992

Idle speed - manual [auto]	rpm	800±50 [850±50]
Fast idle speed - manual [auto]	rpm	2700±100 [2800±100]
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		Weber
Type / ref		DFTM (2V) 89SF-9510-CC [DA]
Main jet / needle		100, 125
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	97[RA] ¹

Ignition system

Fiesta 1.41989 to 1992

Type		ESC I
Ignition coil		Bosch. Femsa. Polmot.
Primary resistance	ohms	0.72 to 0.88
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ idle ¹
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	18 to 32 @ 2000
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	3.0 to 9.0 @ 2000
	° Crankshaft @ rpm	6.4 to 12.4 @ 3000
	° Crankshaft @ rpm	10.0 to 16.0 @ 4000
Vacuum range check	mbar	500
Maximum vacuum advance	° Crankshaft	18 to 32
Spark plugs		Motorcraft/Champion
Type		AGPR22CD / RC7YC
Electrode gap	mm	0.75

Electrical system

Fiesta 1.41989 to 1992

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 1.41989 to 1992

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

Tyres		
Saloon	Size	145x13: 155/70x13: 165/55x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 1.8 ²
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.0 ³
Camber		+12'±1°15' ⁴
Castor		+18'±1° ⁵
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+0.2±2.0 ⁶
Camber		-1°1'+30'-1° ⁷

Torque wrench settings

Fiesta 1.41989 to 1992

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

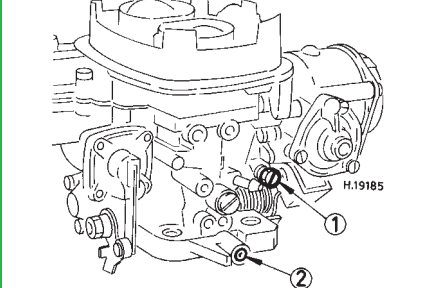
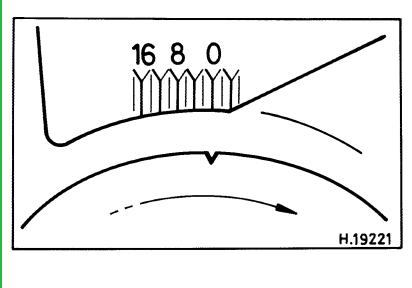
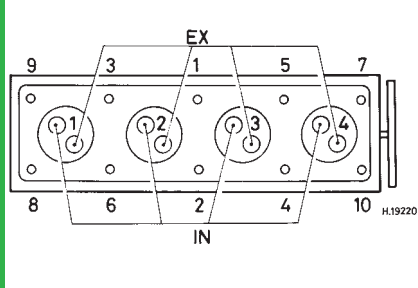
Fiesta 1.41989 to 1992

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	7.6
Fuel tank	litres	42

Notes and Illustrations

- ¹[E 95 RON]: 8° BTDC @ idle
- ²155/70x13: 2.0 / 1.8
- ³90 ►: -2.0±1.0
- ⁴S: +8'±1°15'. 90 ►: -8'±1°20'. 92 ►: -9'±1°20'
- ⁵S: +32'±1°. 90 ►: +53'±1°15'. 92 ►: +52'±1°15'
- ⁶S: +0.5±2.0. 4.90 ►: +2.3±2.0
- ⁷4.90 ►: -1°+30'-1°

1: Idle speed2: CO / Mixture



1392 cm³1392 cm³Weber DFTM, 1989►