

Engine & Cooling

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Automotive Technical
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Engine and cooling systemFiesta 1.3 Classic1995 to 1997

Type		Endura-E JJA(J4C) OHV 36kW ¹
Capacity (cm ³) / number of cylinders		1297 / 4
Compression ratio / pressure	bar	9.5 / 13.0 to 16.0
Oil pressure	bar	0.6 [1.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.30
Firing order		1-2-4-3
No 1 cylinder position		TCE
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	1.20

Fuel systemFiesta 1.3 Classic1995 to 1997

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	—
HC @ idle speed [3000 rpm] - see page VI	ppm	—
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		_Ford
Type / ref		EEC V SEFI
Main jet / needle		—
Injection pressure	bar	2.7
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemFiesta 1.3 Classic1995 to 1997

Type		EEC V
Ignition coil		—
Primary resistance	ohms	0.4 to 0.6
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		_/Champion
Type		RS9YCC
Electrode gap	mm	0.80

Electrical systemFiesta 1.3 Classic1995 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / 55, 70, 90 / _
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearFiesta 1.3 Classic1995 to 1997

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

Tyres		
Saloon	Size	155/70x13: 165/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.4 / 1.8. 165/70: 2.2 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[0±10']
Camber		+44' to -2°44' ²
Castor		+2°35' to 55' ³
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+4.3 to 0.3
Camber		-30' to -2°

Torque wrench settingsFiesta 1.3 Classic1995 to 1997

Cylinder head - stage 1	Nm	30, Re-use once
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	—
Big-end bearings	Nm	4 + 90°
Main bearings	Nm	95
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	67
Front hubs	Nm	290
Rear hubs	Nm	235
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	17

CapacitiesFiesta 1.3 Classic1995 to 1997

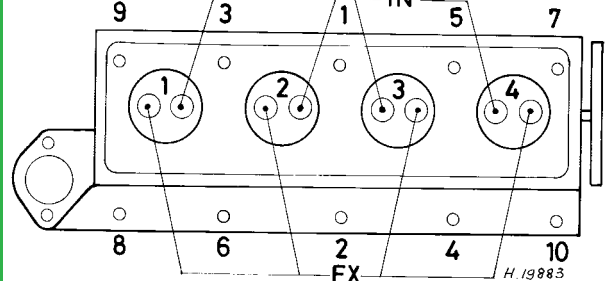
Engine oil & filter	litres	3.25
Gearbox - 4-speed [5-speed]	litres	2.6
Automatic transmission - refill	litres	4.1
Final drive	litres	WT
Cooling system	litres	7.1
Fuel tank	litres	42

Notes and Illustrations

¹J4C: 44kW

²PAS: +47' to -2°1'

³PAS: +3°29' to 59'



1297 cm³