

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling systemFiesta 1.41995 to 1996

Type	PTE F4A 53kW 96 EEC	
Capacity (cm ³) / 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 systemFiesta 1.41995 to 1996

Idle speed - manual [auto]	rpm	860±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	SFI	
Main jet / needle	—	
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemFiesta 1.41995 to 1996

Type	EEC IV - DIS	
Ignition coil	—	
Primary resistance	ohms	—
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
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	Motorcraft	
Type	AGPR22CD1	
Electrode gap	mm	1.00

Electrical systemFiesta 1.41995 to 1996

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm	—	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearFiesta 1.41995 to 1996

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

Tyres		
Saloon	Size	155/70x13: 165/65x13:185/55x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.3 / 1.8. 185/55: 2.1 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-2.0±1.0
Camber	-8'±1°20'	
Castor	+53'±1°15'	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.3±2.0
Camber	-1°+30'-1°	

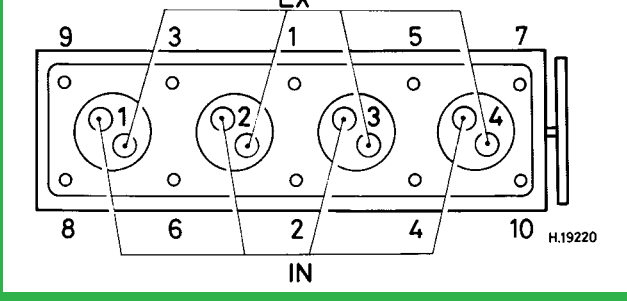
Torque wrench settingsFiesta 1.41995 to 1996

Cylinder head - stage 1	Nm	30
- stage 2	Nm	50
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	33
Main bearings	Nm	95
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	87
Front hubs	Nm	205 to 235
Rear hubs	Nm	250 to 290
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	25

CapacitiesFiesta 1.41995 to 1996

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.1
Fuel tank	litres	42

Notes and Illustrations



1392 cm³