

Engine & Cooling

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Automotive Technical
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Engine and cooling systemFiesta 1.251995 to 1997

Type	Zetec SE DHA DOHC 16V 55kW	
Capacity (cm ³) / number of cylinders	1242 / 4	
Compression ratio / pressure	bar	10.1 / _
Oil pressure	bar	1.4 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.17 to 0.23
Valve clearance - exhaust	mm	0.27 to 0.33
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	1.20

Fuel systemFiesta 1.251995 to 1997

Idle speed - manual [auto]	rpm	N/A
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 1.251995 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	RE7YCC	
Electrode gap	mm	1.00

Electrical systemFiesta 1.251995 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 1.251995 to 1997

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

Tyres		
Saloon	Size	165/70x13
Estate / Van	Size	
Pressure - front / rear - Saloon	bar	2.1 / 1.8
- Estate / Van	bar	

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber	-40'±1°10'. PAS: -37'±1°10'	
Castor	1°20'±1°15'. PAS: 2°14'±1°15'	
King pin inclination	_	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	2.3±2.0
Camber	-1°±70'	

Torque wrench settingsFiesta 1.251995 to 1997

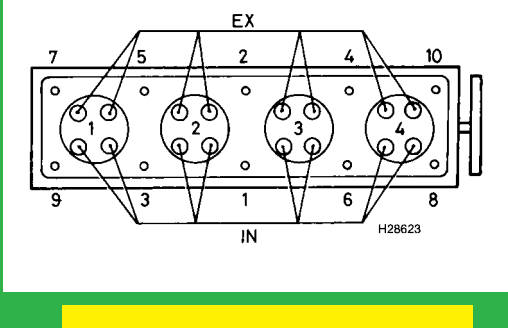
Cylinder head - stage 1	Nm	15
- stage 2	Nm	30
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	_
Big-end bearings	Nm	8 + 90°
Main bearings	Nm	WSM
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	85
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	15

CapacitiesFiesta 1.251995 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.8
Automatic transmission - refill	litres	4.2
Final drive	litres	WT
Cooling system	litres	7.1
Fuel tank	litres	42

Notes and Illustrations

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1254 cm³, 16V