

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling systemFiesta 1.6i 16V1994 to 1995

Type		L1G. DOHC 16V. 66kW
Capacity (cm ³) / number of cylinders		1597 / 4
Compression ratio / pressure	bar	10.3/_
Oil pressure	bar	—
Oil temperature	°C	—
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 1.6i 16V1994 to 1995

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
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
Type / ref		SEFi:EEC IV
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition systemFiesta 1.6i 16V1994 to 1995

Type		EEC IV - DIS
Ignition coil		—
Primary resistance	ohms	0.50±0.05
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		Motorcraft
Type		AYRF22PP
Electrode gap	mm	1.30

Electrical systemFiesta 1.6i 16V1994 to 1995

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

Running gearFiesta 1.6i 16V1994 to 1995

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

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

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-2.0±1.0
Camber		-11'±1°20'
Castor		+22'±1°15'
King pin inclination		—

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

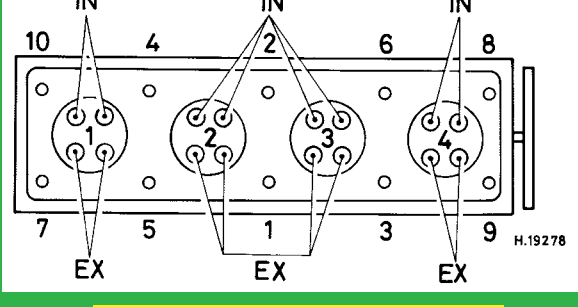
Torque wrench settingsFiesta 1.6i 16V1994 to 1995

Cylinder head - stage 1	Nm	20 to 30 N
- stage 2	Nm	40 to 50
Cylinder head - stage 3	Nm	+ 90 to 120°
- stage 4	Nm	—
Big-end bearings	Nm	15 to 20 + 90°
Main bearings	Nm	70 to 90
Clutch cover	Nm	25 to 34
Flywheel [driveplate]	Nm	107 to 117
Front hubs	Nm	205 to 235
Rear hubs	Nm	250 to 290
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	14 to 20

CapacitiesFiesta 1.6i 16V1994 to 1995

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	42

Notes and Illustrations



1597 cm³, 16V