

Engine & Cooling

Fuel

Ignition

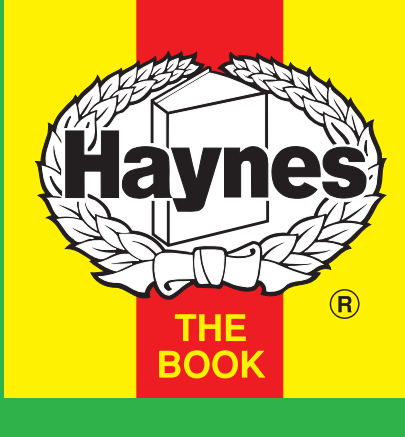
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

Fiesta 1.8i 16V

1992 to 1995

Type		Zeta/Zetec DOHC 16V US83 ¹
Capacity (cm ³) / number of cylinders		1796 / 4
Compression ratio / pressure	bar	10.0 / _
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	_

Fuel system

Fiesta 1.8i 16V

1992 to 1995

Idle speed - manual [auto]	rpm	RDB: 900±50. RQC: 850±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		Bosch
Type / ref		Ford EEC IV / SEFI
Main jet / needle		_
Injection pressure	bar	2.1±0.2
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system

Fiesta 1.8i 16V

1992 to 1995

Type		E-DIS 4
Ignition coil		High output DIS
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	N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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 system

Fiesta 1.8i 16V

1992 to 1995

Battery	V / CC / RC	12 / 360 / 60, 500 / 70,590/90
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / 50, 70,90/ 4000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

Fiesta 1.8i 16V

1992 to 1995

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

Tyres		
Saloon	Size	185/55x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0. 94 ▶: 2.1 / 2.1
- 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 settings

Fiesta 1.8i 16V

1992 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

Capacities

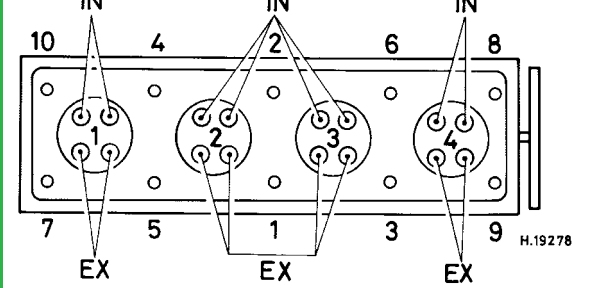
Fiesta 1.8i 16V

1992 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

¹RDB: 77kW. RQC: 96kW



1796 cm³, 16V