

Engine & Cooling

Fuel

Ignition

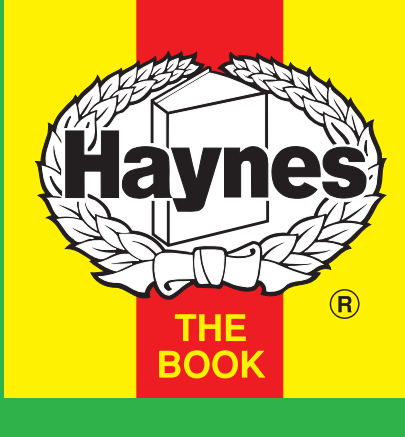
Electrical

Running gear

Torque settings

Capacities

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling system			Fiesta 1.3 & Courier	1995 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 system			Fiesta 1.3 & Courier	1995 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 system			Fiesta 1.3 & Courier	1995 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 system			Fiesta 1.3 & Courier	1995 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 gear			Fiesta 1.3 & Courier	1995 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	2.1 / 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 settings			Fiesta 1.3 & Courier	1995 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	270	
Rear hubs		Nm	270	
Wheel nuts / bolts		Nm	85	
Spark plugs		Nm	17	
Capacities			Fiesta 1.3 & Courier	1995 to 1997
Engine oil & filter		litres	3.25	
Gearbox - 4-speed [5-speed]		litres	2.8	
Automatic transmission - refill		litres	—	
Final drive		litres	WT	
Cooling system		litres	7.1	
Fuel tank		litres	42	

Notes and Illustrations

¹J4C: 44kW

