

Engine & Cooling

Fuel

Ignition

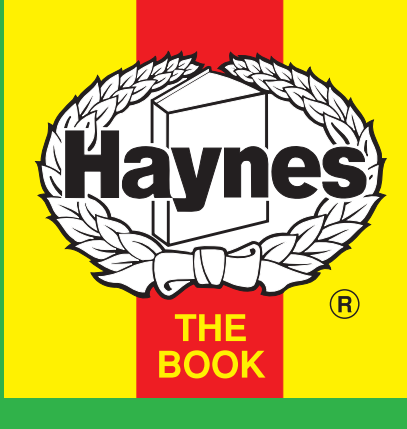
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

Fiesta 1.4

1989 to 1992

Type	FUG (54kW). 15.05 ¹	
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 system

Fiesta 1.4

1989 to 1992

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	3300
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	Weber	
Type / ref	TLD. 87SF-9510-HA	
Main jet / needle	115, 185	
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	98[E 95 RON]

Ignition system

Fiesta 1.4

1989 to 1992

Type	ESC I ²	
Ignition coil	Bosch. Femsa. Polmot.	
Primary resistance	ohms	0.72 to 0.88. ESCP1: 0.50±0.05
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 800
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs	Motorcraft/Champion	
Type	AGPR22CD1 / RC7YCC ³	
Electrode gap	mm	1.00 ³

Electrical system

Fiesta 1.4

1989 to 1992

Battery	V / CC / RC	12 / 270 / 50, 360 / 60,500/70
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 50, 70 / 4000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Fiesta 1.4

1989 to 1992

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

Tyres		
Saloon	Size	145x13: 155/70x13: 165/55x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 1.8 ⁴
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.0 ⁵
Camber	+12'±1°15' ⁶	
Castor	+18'±1°7'	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+0.2±2.0 ⁸
Camber	-1°1'+30'-1° ⁹	

Torque wrench settings

Fiesta 1.4

1989 to 1992

Cylinder head - stage 1	Nm	25
- stage 2	Nm	55
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 to 36
Main bearings	Nm	90 to 100
Clutch cover	Nm	25 to 34
Flywheel [driveplate]	Nm	82 to 92
Front hubs	Nm	205 to 235
Rear hubs	Nm	250 to 290
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	27

Capacities

Fiesta 1.4

1989 to 1992

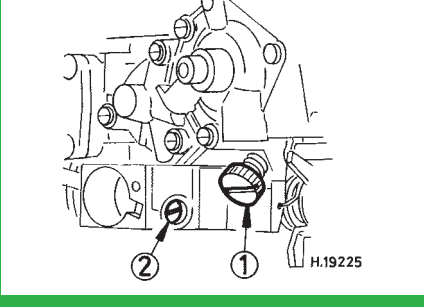
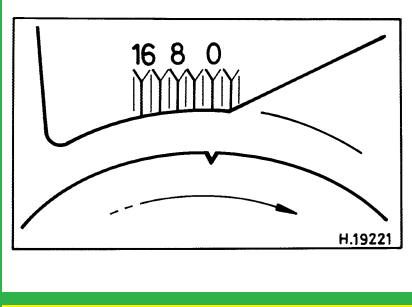
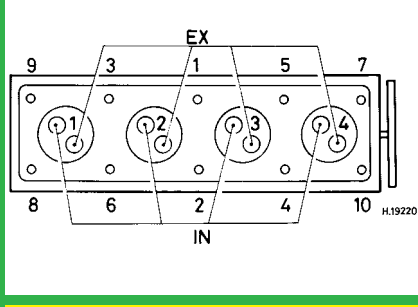
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	3.5
Final drive	litres	WT
Cooling system	litres	7.6
Fuel tank	litres	42

Notes and Illustrations

- ¹With pulse-air
- ²Later models have ESCP1 (DIS)
- ³ESCP1: AGPR22CD: 0.75
- ⁴155/70x13: 2.0 / 1.8
- ⁵90 ►: -2.0±1.0
- ⁶S: +8'±1°15'. 90 ►: -8'±1°20'. 92 ►: -9'±1°20'
- ⁷S: +32'±1°. 90 ►: +53'±1°15'. 92►: +52'±1°15'
- ⁸S: +0.5±2.0. 4.90 ►: +2.3±2.0
- ⁹4.90 ►: -1°+30'-1°

1: Idle speed

2: CO / Mixture



1392 cm³

1392 cm³

Weber TLD