

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ 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

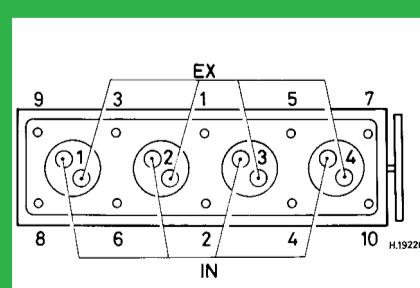
⁶S: +8'±1°15'. 90 ▶: -8'±1°20'. 92 ▶: -9'±1°20'

⁷S: +32'±1°. 90 ▶: +53'±1°15'. 92 ▶: +52'±1°15'

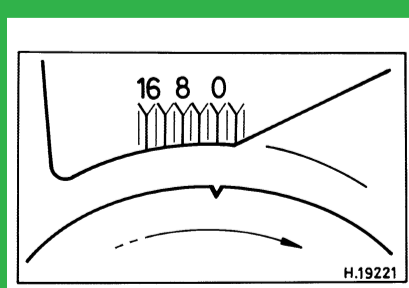
⁸S: +0.5±2.0. 4.90 ▶: +2.3±2.0

⁹4.90 ▶: -1°+30'-1°

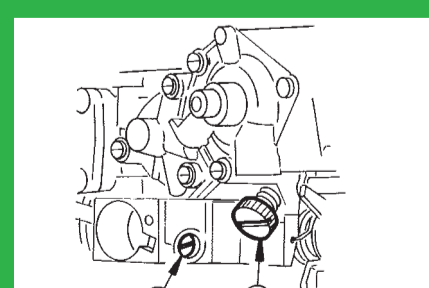
1: Idle speed 2: CO / Mixture



1392 cm³



1392 cm³



Weber TLD