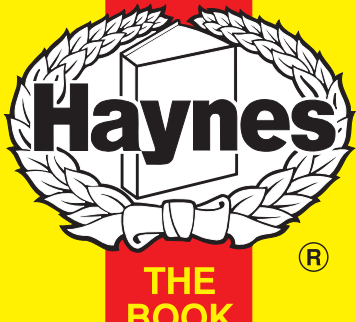


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Fiesta 1.61989 to 1992

Type	LUH (66kW). 15.04	
Capacity (cm ³) / number of cylinders	1597 / 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 1.61989 to 1992

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1800±50
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
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 (2V) 89SF-9510-AA	
Main jet / needle	117, 127	
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	97[RA] ¹

Ignition system

Fiesta 1.61989 to 1992

Type	Electronic	
Ignition coil	Bosch. Femsa. Polmot.	
Primary resistance	ohms	0.72 to 0.88
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ idle ¹
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	14.5 to 28.5 @ 2000
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	5.5 to 11.5 @ 2000
	° Crankshaft @ rpm	11.0 to 17.0 @ 3000
	° Crankshaft @ rpm	13.0 to 19.0 @ 4000
Vacuum range check	mbar	310
Maximum vacuum advance	° Crankshaft	14.5 to 28.5
Spark plugs	Motorcraft/Champion	
Type	AGPR22CD / RC7YC	
Electrode gap	mm	0.75

Electrical system

Fiesta 1.61989 to 1992

Battery	V / CC / RC	12 / 360 / 60, 500/70
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 50, 70 / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Fiesta 1.61989 to 1992

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

Tyres		
Saloon	Size	165/65x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.0 ²
Camber	+8'±1°15' ³	
Castor	+32'±1° ⁴	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+0.5±2.0 ⁵
Camber	-1°1'+30'-1° ⁶	

Torque wrench settings

Fiesta 1.61989 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 1.61989 to 1992

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	3.1
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.8
Fuel tank	litres	42

Notes and Illustrations

¹[E 95 RON]: 8° BTDC @ idle

²90 ►: -2.0±1.0

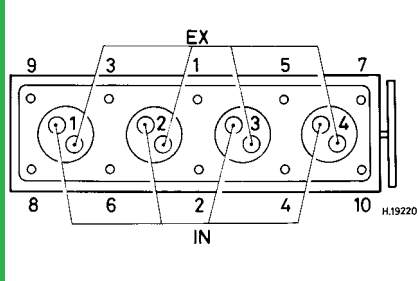
³90 ►: -8'±1°20'. 92 ►: -9'±1°20'

⁴90 ►: +53'±1°15'. 92 ►: +52'±1°15'

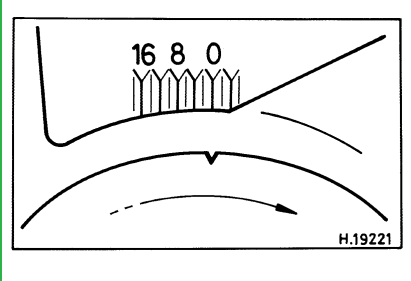
⁵4.90 ►: +2.3±2.0

⁶4.90 ►: -1°+30'-1°

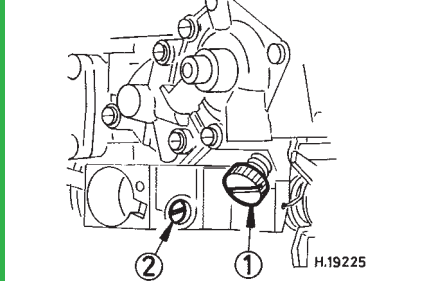
1: Idle speed 2: CO / Mixture



1597 cm³, CVH



1597 cm³, carb



Weber TLD