

Engine & Cooling

Fuel

Ignition

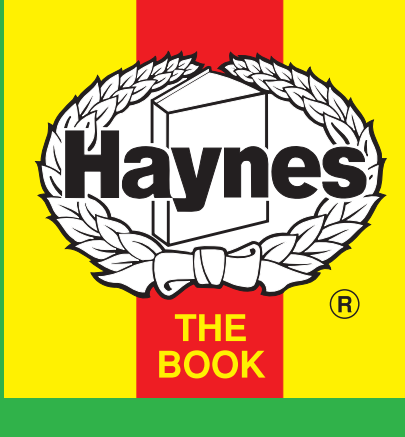
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling systemFiesta 1.61986 to 1989

Type	LUB (CVH)	
Capacity (cm ³) / number of cylinders	1597 / 4	
Compression ratio / pressure	bar	9.5 / 12.3 to 14.3
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 systemFiesta 1.61986 to 1989

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1900±50
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Weber	
Type / ref	(2V) TLD	
Main jet / needle	117, 127	
Injection pressure	bar	—
Pump pressure	bar	0.24 to 0.38
Octane rating	RON	97[RA] ¹

Ignition systemFiesta 1.61986 to 1989

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	Bosch/Lucas	
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	17.4 to 30.2 @ 2000
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 to 7 @ 1500
	° Crankshaft @ rpm	13 to 19 @ 3000
	° Crankshaft @ rpm	18 to 24.5 @ 5000
Vacuum range check	mbar	0 to 285
Maximum vacuum advance	° Crankshaft	8.7 to 15.2
Spark plugs	Motorcraft/Champion	
Type	AGPR12C / 22C / RC7YC	
Electrode gap	mm	0.75

Electrical systemFiesta 1.61986 to 1989

Battery	V / CC / RC	12 / 200 / 70
Alternator voltage / full load current / engine rpm	13.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearFiesta 1.61986 to 1989

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

Tyres		
Saloon	Size	185/60x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-3.0±1.0
Camber	0±1°	
Castor	+45'+1°15'-1°	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber	—	

Torque wrench settingsFiesta 1.61986 to 1989

Cylinder head - stage 1	Nm	25 N
- 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	16 to 20
Flywheel [driveplate]	Nm	82 to 92
Front hubs	Nm	205 to 235
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	27

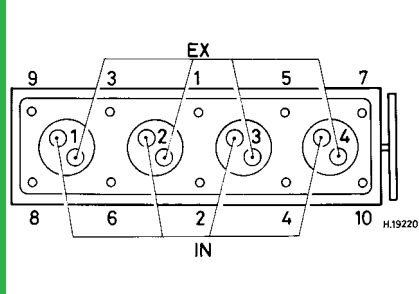
CapacitiesFiesta 1.61986 to 1989

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	8.0
Fuel tank	litres	40

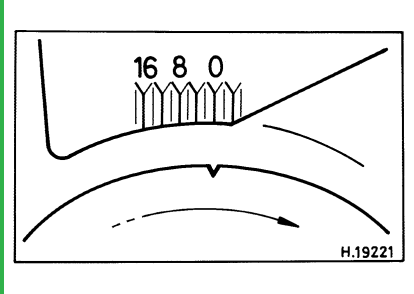
Notes and Illustrations

¹[E 95 RON]: 8° BTDC @ idle

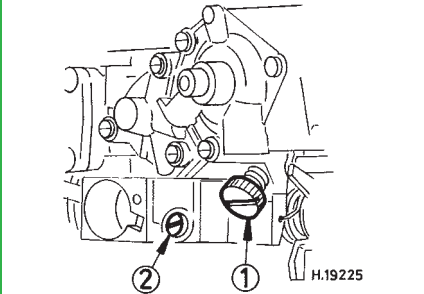
1: Idle speed 2: CO / Mixture



1597 cm³



1597 cm³



Weber TLD