

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

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Engine and cooling system Mondeo 2.0i 16V 1996 to 1997

Type	Zetec-E NGA 16V EEC96 96kW	
Capacity (cm ³) / number of cylinders	1988 / 4	
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	1.3 to 2.5 [3.7 to 5.5]
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	-

Fuel system Mondeo 2.0i 16V 1996 to 1997

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	-
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
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	Ford	
Type / ref	EEC V / SEFI	
Main jet / needle	-	
Injection pressure	bar	2.1±0.2
Pump pressure	bar	2.7±0.2
Octane rating	RON	95[U]

Ignition system Mondeo 2.0i 16V 1996 to 1997

Type	EEC V	
Ignition coil	2x high output DIS	
Primary resistance	ohms	0.5±0.05
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	Motorcraft	
Type	AYRF22PP	
Electrode gap	mm	1.30

Electrical system Mondeo 2.0i 16V 1996 to 1997

Battery	V / CC / RC	12 / _
Alternator voltage / full load current / engine rpm	14.8 / 90, 95 / 3000	
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Mondeo 2.0i 16V 1996 to 1997

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

Tyres		
Saloon	Size	185/65x14;195/60x14;205/55x15
Estate / Van	Size	185/65x14;195/60x14;205/55x15
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	2.4 / 2.4

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+10'±10']
Camber	45' to 1°45'.Est: 47' to 1°43'	
Castor	+2°11'±1°. Estate: 2°14'	
King pin inclination	-	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+18'±12']
Camber	-25'. Estate: -26'	

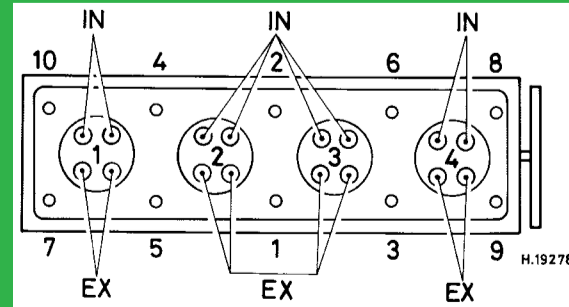
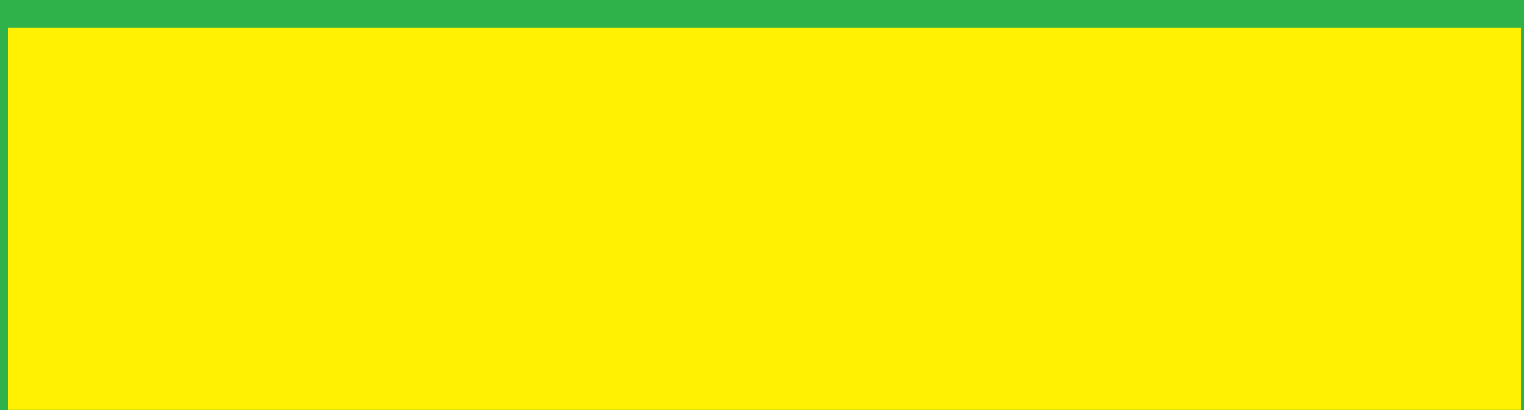
Torque wrench settings Mondeo 2.0i 16V 1996 to 1997

Cylinder head - stage 1	Nm	25
- stage 2	Nm	45
Cylinder head - stage 3	Nm	+ 105°
- stage 4	Nm	-
Big-end bearings	Nm	15 + 90°
Main bearings	Nm	80
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	112
Front hubs	Nm	340
Rear hubs	Nm	290. Estate: 65
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	15

Capacities Mondeo 2.0i 16V 1996 to 1997

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	6.6
Fuel tank	litres	61.5

Notes and Illustrations



1988 cm³, 16V