

Engine & Cooling

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Engine and cooling systemMondeo 2.0i & 4x41993 to 1996

Type		Zetec NGA 16V EEC93 100kW
Capacity (cm ³) / number of cylinders		1989 / 4
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	_
Oil temperature	°C	_
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 systemMondeo 2.0i & 4x41993 to 1996

Idle speed - manual [auto]	rpm	880±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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Ford
Type / ref		EEC IV / SEFI
Main jet / needle		_
Injection pressure	bar	2.1±0.2
Pump pressure	bar	2.7±0.2
Octane rating	RON	95[U]

Ignition systemMondeo 2.0i & 4x41993 to 1996

Type		EEC IV - DIS
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	[10±2 BTDC] N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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 systemMondeo 2.0i & 4x41993 to 1996

Battery	V / CC / RC	12 / _
Alternator voltage / full load current / engine rpm		13.5 / 90, 95 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gearMondeo 2.0i & 4x41993 to 1996

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
Pressure - front / rear - Saloon	bar	2.1 / 2.1 ¹
- Estate / Van	bar	2.1 / 2.1 ¹

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-0.5 to -3.5
Camber		-30'±1°15'. Sport:-35'±1°15' ²
Castor		+2°11'±1°. Sport: +2°21'±1° ³
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+3.9 to -0.1 ⁴
Camber		-25'±1°. Sport: -37'±1° ⁵

Torque wrench settingsMondeo 2.0i & 4x41993 to 1996

Cylinder head - stage 1	Nm	25
- stage 2	Nm	45
Cylinder head - stage 3	Nm	+ 105°
- stage 4	Nm	_
Big-end bearings	Nm	18 + 90°
Main bearings	Nm	80
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	112
Front hubs	Nm	340
Rear hubs	Nm	290
Wheel nuts / bolts	Nm	70 to 100
Spark plugs	Nm	15

CapacitiesMondeo 2.0i & 4x41993 to 1996

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	2.6 ⁶
Automatic transmission - refill	litres	7.2
Final drive	litres	4x4: 1.0
Cooling system	litres	6.6 [AT: 7.1]
Fuel tank	litres	61.5. 4x4: 52

Notes and Illustrations

- ¹4x4: 2.1 / 2.3
- ²Est: -28'±1°15'. 4x4: -15'±1°15'. 4x4 Sport: -22'±1°15'. 4x4 Est: -21'±1°15'
- ³Est: +2°14'±1°. Self-level: +2°8'±1°. 4x4: +2°3'±1°,Sport +2°7'±1°. 4x4 Est: +2°11'±1°. Self-level: +2°5'±1°
- ⁴4x4: +3.1 to -0.9. Est: +2.7 to -1.3
- ⁵4x4: -26'±1°. Sport: -32'±1°. Est: -26'±1°. 4x4: -23'±1°
- ⁶4x4: 2.4. Transfer box: 0.65

