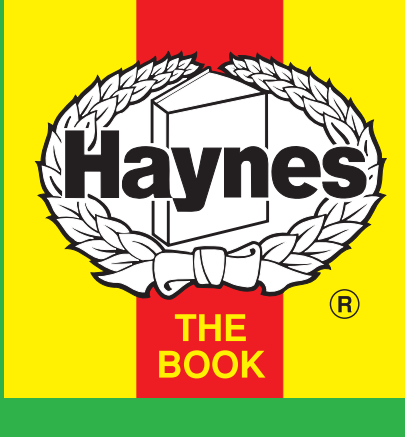


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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MENU	HELP
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Engine and cooling systemMondeo 2.5i 24V1994 to 1996

Type		SEA Duratec VE 125kW
Capacity (cm ³) / number of cylinders		2544 / 6
Compression ratio / pressure	bar	9.7 / 9.0 to 15.0
Oil pressure	bar	0.5 [3.0 to 3.5 @ 3000rpm]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-4-2-5-3-6
No 1 cylinder position		—
Thermostat opening temperature	°C	—
Radiator cap pressure	bar	On cap

Fuel systemMondeo 2.5i 24V1994 to 1996

Idle speed - manual [auto]	rpm	725 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	—
HC @ idle speed [3000 rpm] - see page VI	ppm	—
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	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemMondeo 2.5i 24V1994 to 1996

Type		EEC IV
Ignition coil		—
Primary resistance	ohms	—
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	N/A
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		—/Champion
Type		RC9YCC4
Electrode gap	mm	1.00

Electrical systemMondeo 2.5i 24V1994 to 1996

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		14.0 to 14.6 / 90, 95 / —
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearMondeo 2.5i 24V1994 to 1996

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

Tyres		
Saloon	Size	195/60x15: 205/55x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	- 0°20' ± 10'
Camber		-35'±1°15'
Castor		2°21'±1°15'
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+ 0°18' ± 12'
Camber		-37'±1°

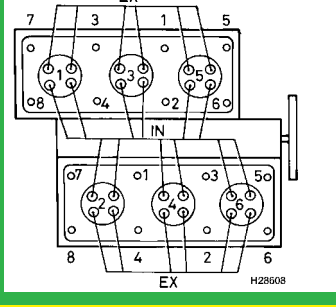
Torque wrench settingsMondeo 2.5i 24V1994 to 1996

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°, loosen
Cylinder head - stage 3	Nm	40
- stage 4	Nm	+ 90°, + 90°
Big-end bearings	Nm	40, + 90° oiled
Main bearings	Nm	40, + 90°
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	80
Front hubs	Nm	340
Rear hubs	Nm	340
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	14

CapacitiesMondeo 2.5i 24V1994 to 1996

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	2.6
Automatic transmission - refill	litres	7.2
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	61.5

Notes and Illustrations



2544 cm³, 24V