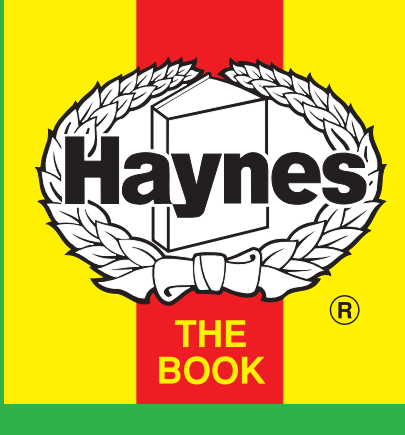


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



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.

MENU	HELP
------	------

Engine and cooling systemMondeo 2.5i 24V1996 to 1997

Type		SEA Duratec VE 125kW EEC96
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 24V1996 to 1997

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 V SEFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition systemMondeo 2.5i 24V1996 to 1997

Type		EEC V
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 24V1996 to 1997

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

Running gearMondeo 2.5i 24V1996 to 1997

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°

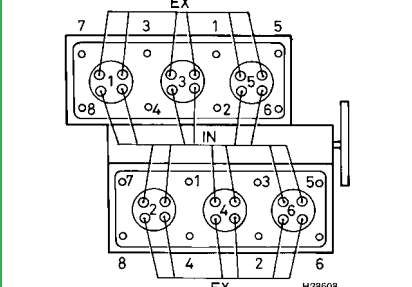
Torque wrench settingsMondeo 2.5i 24V1996 to 1997

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	23, then 43 + 90° N
Main bearings	Nm	40, + 90° WSM
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 24V1996 to 1997

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	9.7
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	61.5

Notes and Illustrations



2544 cm³, 24V