

Engine & Cooling

Fuel

Ignition

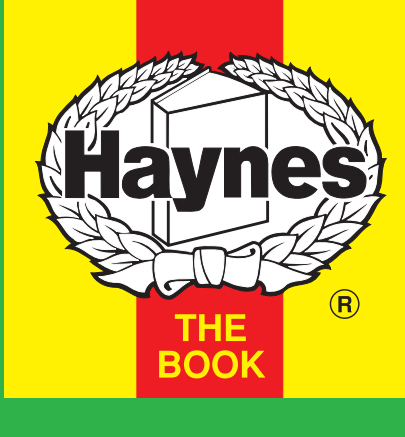
Electrical

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 system

Transit & Tourneo 2.0i

1994 to 1997

Type		NSG/NSF DOHC 8V 84kW
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	9.8 / 11.0 to 13.0
Oil pressure	bar	1.6 [3.1 @ 2000rpm]
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		TCE
Thermostat opening temperature	°C	—
Radiator cap pressure	bar	See cap

Fuel system

Transit & Tourneo 2.0i

1994 to 1997

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
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 V SEFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

Ignition system

Transit & Tourneo 2.0i

1994 to 1997

Type		EEC V
Ignition coil		Ford
Primary resistance	ohms	0.40 to 0.60
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		AGPR12P
Electrode gap	mm	0.75

Electrical system

Transit & Tourneo 2.0i

1994 to 1997

Battery	V / CC / RC	—
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / 90 / —
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

Transit & Tourneo 2.0i

1994 to 1997

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

Tyres		
Saloon	Size	—
Estate / Van	Size	185x14: 195x14: 215/70x15 ¹
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	Refer to vehicle

Front suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	0±1.0
Camber		-52’ to +1°8’
Castor		+1°9’ to 4°9’
King pin inclination		—

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings

Transit & Tourneo 2.0i

1994 to 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	55
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	7, 16, + 90°
Main bearings	Nm	104
Clutch cover	Nm	30
Flywheel [driveplate]	Nm	87
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	85. 6 stud: 168
Spark plugs	Nm	18

Capacities

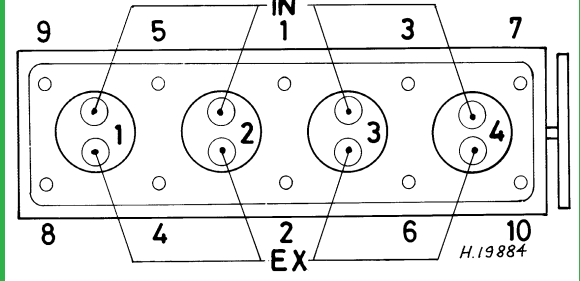
Transit & Tourneo 2.0i

1994 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	1.25
Automatic transmission - refill	litres	—
Final drive	litres	1.72. Type 34: 2.70
Cooling system	litres	7.9
Fuel tank	litres	68

Notes and Illustrations

¹Also 225/70x15



1998 cm³, DOHC 8V