

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

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HELP

## Engine and cooling system Transit 2.0i CAT 1991 to 1994

Type	NCA OHC 72kW US88 LDT	
Capacity (cm <sup>3</sup> ) / number of cylinders	1993 / 4	
Compression ratio / pressure	bar	8.5 / 11 to 13
Oil pressure	bar	2.1 [2.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.03
Valve clearance - exhaust	mm	0.25±0.03
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	88 to 102
Radiator cap pressure	bar	1.0

## Fuel system Transit 2.0i CAT 1991 to 1994

Idle speed - manual [auto]	rpm	800±50 [900±50]
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	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Bosch	
Type / ref	EFI	
Main jet / needle	—	
Injection pressure	bar	2.5
Pump pressure	bar	≥5.0
Octane rating	RON	95[U]

## Ignition system Transit 2.0i CAT 1991 to 1994

Type	EEC IV	
Ignition coil	Bosch, Femsa, Polmot	
Primary resistance	ohms	0.72 to 0.88
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	[18 BTDC]
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/Champion	
Type	BRF32C / F7YC	
Electrode gap	mm	0.75

## Electrical system Transit 2.0i CAT 1991 to 1994

Battery	V / CC / RC	12 / 200 / 70
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / _ / 4000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

## Running gear Transit 2.0i CAT 1991 to 1994

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.0

<b>Tyres</b>		
Saloon	Size	—
Estate / Van	Size	185x14: 195x14: 215/70x15 <sup>1</sup>
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	WSM

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +1.6
Camber	WSM	
Castor	WSM	
King pin inclination	—	

## Rear suspension / wheel alignment

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

## Torque wrench settings Transit 2.0i CAT 1991 to 1994

Cylinder head - stage 1	Nm	38 N
- stage 2	Nm	73
Cylinder head - stage 3	Nm	Wait 5 min.
- stage 4	Nm	+ 90°
Big-end bearings	Nm	44
Main bearings	Nm	95
Clutch cover	Nm	19
Flywheel [driveplate]	Nm	67
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	5 stud: 75 to 95 <sup>2</sup>
Spark plugs	Nm	24

## Capacities Transit 2.0i CAT 1991 to 1994

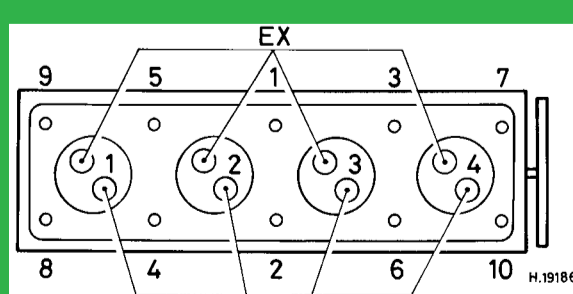
Engine oil & filter	litres	3.75
Gearbox - 4-speed [5-speed]	litres	1.25
Automatic transmission - refill	litres	8.5
Final drive	litres	Type G: 1.7 <sup>3</sup>
Cooling system	litres	8.4
Fuel tank	litres	68

## Notes and Illustrations

<sup>1</sup>225/70x15 may be fitted

<sup>2</sup>6 stud: 155 to 180

<sup>3</sup>Type H axle: 2.7



1993 cm<sup>3</sup>