

Engine & Cooling

Fuel

Ignition

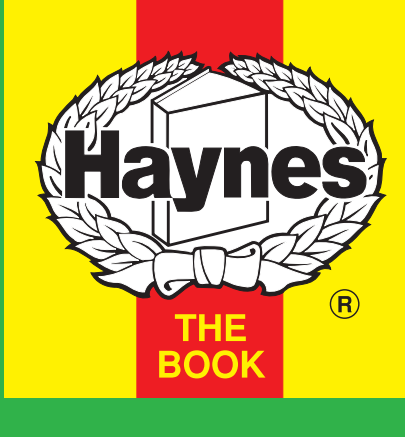
Electrical

Running gear

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Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Transit 2.0 CFI CAT

1990 to 1991

Type		N6T (OHC) 57kW US83 LDT
Capacity (cm ³) / number of cylinders		1993 / 4
Compression ratio / pressure	bar	8.2 / 10 to 12
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 2.0 CFI CAT

1990 to 1991

Idle speed - manual [auto]	rpm	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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Weber
Type / ref		SPI (CFI)
Main jet / needle		—
Injection pressure	bar	1.0
Pump pressure	bar	3.0
Octane rating	RON	91[U]

Ignition system

Transit 2.0 CFI CAT

1990 to 1991

Type		Electronic - Hall effect
Ignition coil		High output
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	[10±2 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
Type		BRF32C1
Electrode gap	mm	1.00

Electrical system

Transit 2.0 CFI CAT

1990 to 1991

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 2.0 CFI CAT

1990 to 1991

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	—
Estate / Van	Size	185x14: 195x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	WSM

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +1.6
Camber		-30' to +2°30' ¹
Castor		+15' to +4°30' ²
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings

Transit 2.0 CFI CAT

1990 to 1991

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 ³
Spark plugs	Nm	24

Capacities

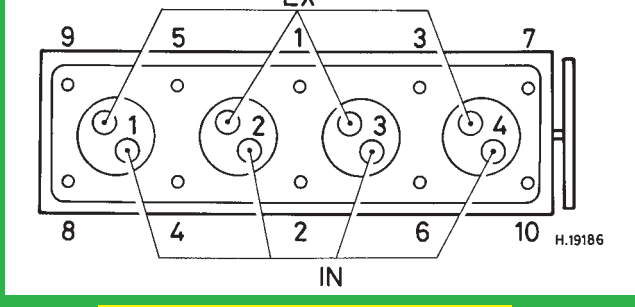
Transit 2.0 CFI CAT

1990 to 1991

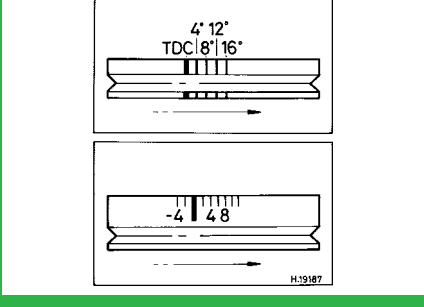
Engine oil & filter	litres	3.75
Gearbox - 4-speed [5-speed]	litres	1.2
Automatic transmission - refill	litres	6.3. A4LD: 8.5
Final drive	litres	Type G: 1.7 ⁴
Cooling system	litres	8.4
Fuel tank	litres	68

Notes and Illustrations

- ¹MacPherson type only. Beam axle: +30' to 1°30'
- ²MacPherson type only. Beam axle: +2°30' to 6°15'
- ³6 stud: 155 to 180
- ⁴Type H axle: 2.7



1993 cm³



1993 cm³