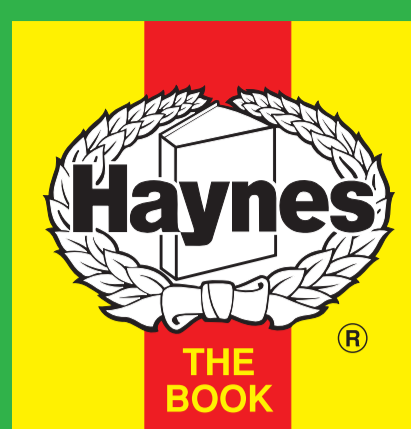


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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.

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HELP

## Engine and cooling system Transit 2.9 EFi 1989 to 1991

Type		B4T V6 OHV 110kW 15.04
Capacity (cm <sup>3</sup> ) / number of cylinders		2933 / 6
Compression ratio / pressure	bar	9.5 / 12.4 to 14.1
Oil pressure	bar	0.98 [2.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.35
Valve clearance - exhaust	mm	0.40
Firing order		1-4-2-5-3-6
No 1 cylinder position		FR
Thermostat opening temperature	°C	79 to 83
Radiator cap pressure	bar	0.85 to 1.10

## Fuel system Transit 2.9 EFi 1989 to 1991

Idle speed - manual [auto]	rpm	875±25
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	—
HC @ idle speed [3000 rpm] - see page VI	ppm	—
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		L-Jetronic
Main jet / needle		—
Injection pressure	bar	2.5 to 3.0
Pump pressure	bar	≥5.0
Octane rating	RON	96[E 95 RON]

## Ignition system Transit 2.9 EFi 1989 to 1991

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	12 BTDC @ ≤900
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		AGPR32CD / RC7YC
Electrode gap	mm	0.75

## Electrical system Transit 2.9 EFi 1989 to 1991

Battery	V / CC / RC	12 / 360 / 60 or 500 / 75
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 2.9 EFi 1989 to 1991

<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
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' <sup>1</sup>
Castor		+15' to +4°30' <sup>2</sup>
King pin inclination		—

## Rear suspension / wheel alignment

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

## Torque wrench settings Transit 2.9 EFi 1989 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	30
Main bearings	Nm	97
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	71
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	5 stud: 75 to 95 <sup>3</sup>
Spark plugs	Nm	35

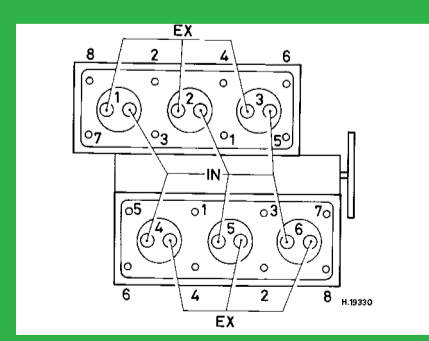
## Capacities Transit 2.9 EFi 1989 to 1991

Engine oil & filter	litres	4.25
Gearbox - 4-speed [5-speed]	litres	1.3
Automatic transmission - refill	litres	8.5
Final drive	litres	Type G: 1.7 <sup>4</sup>
Cooling system	litres	8.5
Fuel tank	litres	68

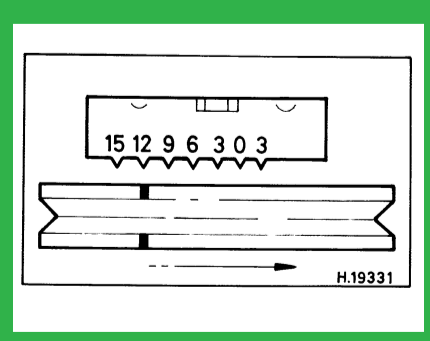
## Notes and Illustrations

<sup>1</sup>MacPherson type only. Beam axle: +30' to 1°30'  
<sup>2</sup>MacPherson type only. Beam axle: +2°30' to 6°15'  
<sup>3</sup>6 stud: 155 to 180  
<sup>4</sup>Type H axle: 2.7

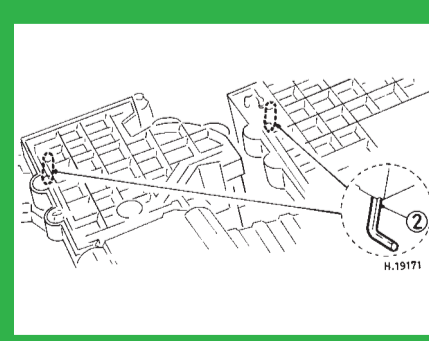
1: Idle speed      2: CO / Mixture



2933 cm<sup>3</sup>



2933 cm<sup>3</sup>



L-Jetronic