

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 850 T-5R & 850R 1994 to 1997

Type		B5234T-5 DOHC 20V 177kW
Capacity (cm <sup>3</sup> ) / number of cylinders		2319 / 5
Compression ratio / pressure	bar	8.5 / 11.0 to 13.0
Oil pressure	bar	1.0 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-2-4-5-3
No 1 cylinder position		TBE
Thermostat opening temperature	°C	87 to 102
Radiator cap pressure	bar	1.50

## Fuel system 850 T-5R & 850R 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	%	0.2 to 1.0 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
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		M4.3-Motronic SEFI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

## Ignition system 850 T-5R & 850R 1994 to 1997

Type		Motronic
Ignition coil		Bosch
Primary resistance	ohms	0.5 to 1.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	6±2 BTDC @ 850±50 N/A
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		RC7GYC
Electrode gap	mm	0.70 to 0.80

## Electrical system 850 T-5R & 850R 1994 to 1997

Battery	V / CC / RC	12 / 440 / 85, 520 / 100 <sup>1</sup>
Alternator voltage / full load current / engine rpm		14 / 80, 100, 108 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	475 to 600/3.5, 650 to 840/3.0

## Running gear 850 T-5R & 850R 1994 to 1997

### Brakes -

Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0

### Tyres

Saloon	Size	205/45x17
Estate / Van	Size	205/45x17
Pressure - front / rear - Saloon	bar	2.8 / 2.6
- Estate / Van	bar	2.8 / 2.7

### Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+20'±6']
Camber		0±1°
Castor		+3°20'±1°
King pin inclination		—

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+4'±10']
Camber		-1°±30'

## Torque wrench settings 850 T-5R & 850R 1994 to 1997

Cylinder head - stage 1	Nm	20 oiled
- stage 2	Nm	60
- stage 3	Nm	+ 130°
- stage 4	Nm	—
Big-end bearings	Nm	20 + 90°
Main bearings	Nm	<sup>2</sup>
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	45 + 65°
Front hubs	Nm	120 + 60°
Rear hubs	Nm	120 + 30°
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

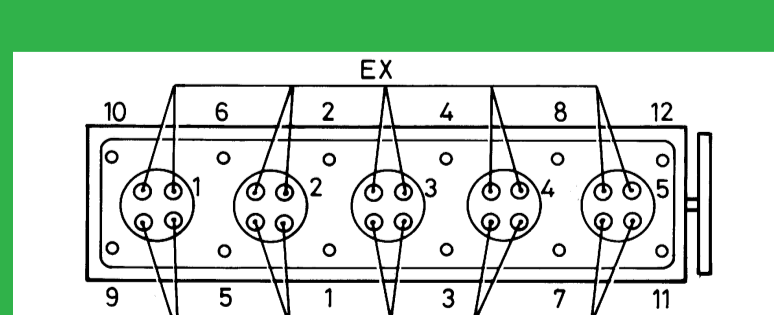
## Capacities 850 T-5R & 850R 1994 to 1997

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	2.1
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	73

## Notes and Illustrations

<sup>1</sup>95 ▶: 12 / 420 / 75, 520 / 90

<sup>2</sup>M10: 20, then M10: 45, then M8: 24, then M7: 17, then M10: +90°



2319 cm<sup>3</sup>, 20V