

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 system4201995 to 1997

Type		T16 DOHC 16V
Capacity (cm ³) / number of cylinders		1994 / 4
Compression ratio / pressure	bar	10.0 /
Oil pressure	bar	1.0 (7.0)
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		TBE
Thermostat opening temperature	°C	82 to 86
Radiator cap pressure	bar	0.9 to 1.0

Fuel system4201995 to 1997

Idle speed - manual [auto]	rpm	850°25
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	N/A
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		—Rover
Type / ref		MEMS MPI
Main jet / needle		—
Injection pressure	bar	3.0
Pump pressure	bar	5.0
Octane rating	RON	95[U]

Ignition system4201995 to 1997

Type		MEMS
Ignition coil		NEC 100710
Primary resistance	ohms	0.41 to 0.61
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	12°±5° BTDC @ 850±50
V = Vacuum NV = No Vacuum		V
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		Unipart
Type		GSP6662
Electrode gap	mm	0.85

Electrical system4201995 to 1997

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm		/ 85
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear4201995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	3.0

Tyres		
Saloon	Size	195/55x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.1
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	(0°±12’)
Camber		0°±1°
Castor		1°28’
King pin inclination		10°41’

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	(0°22’±12’)
Camber		-0°55’

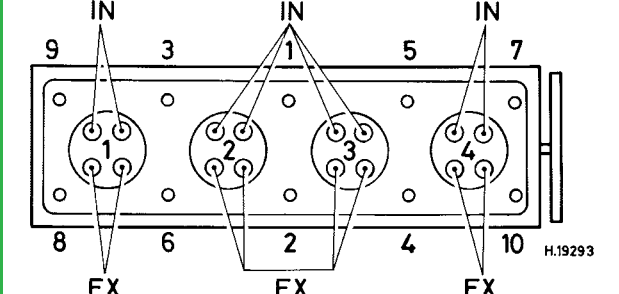
Torque wrench settings4201995 to 1997

Cylinder head - stage 1	Nm	45
- stage 2	Nm	80
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	—
Big-end bearings	Nm	55
Main bearings	Nm	110
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	110
Front hubs	Nm	181 N
Rear hubs	Nm	181 N
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	27

Capacities4201995 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	6.7
Fuel tank	litres	55

Notes and Illustrations



1994 cm³ 16V