

[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 Discovery 2.0 MPI 1995 to 1997

Type		20T4 DOHC 16V 101kW
Capacity (cm ³) / number of cylinders		1994 / 4
Compression ratio / pressure	bar	10.1 / ≥10.3
Oil pressure	bar	1.0 [4.1]
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	1.04

Fuel system Discovery 2.0 MPI 1995 to 1997

Idle speed - manual [auto]	rpm	875±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ 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	—
Octane rating	RON	95[U]

Ignition system Discovery 2.0 MPI 1995 to 1997

Type		MEMS
Ignition coil		NEC 10049
Primary resistance	ohms	0.40 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±6 BTDC @ 875±50 N/A
V = Vacuum NV = No Vacuum		NV
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 system Discovery 2.0 MPI 1995 to 1997

Battery	V / CC / RC	12 / 380 / 120
Alternator voltage / full load current / engine rpm		14.2±0.25 / 100 / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear Discovery 2.0 MPI 1995 to 1997

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

Tyres		
Saloon	Size	
Estate / Van	Size	205x16: 235/70x16
Pressure - front / rear - Saloon	bar	
- Estate / Van	bar	1.9 / 2.6

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.2 to -2.4
Camber		0
Castor		+3°
King pin inclination		+7°

Rear suspension / wheel alignment

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

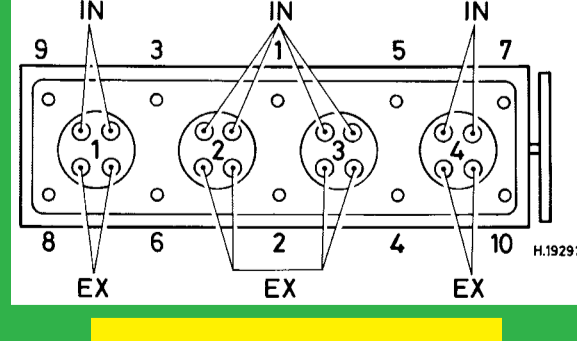
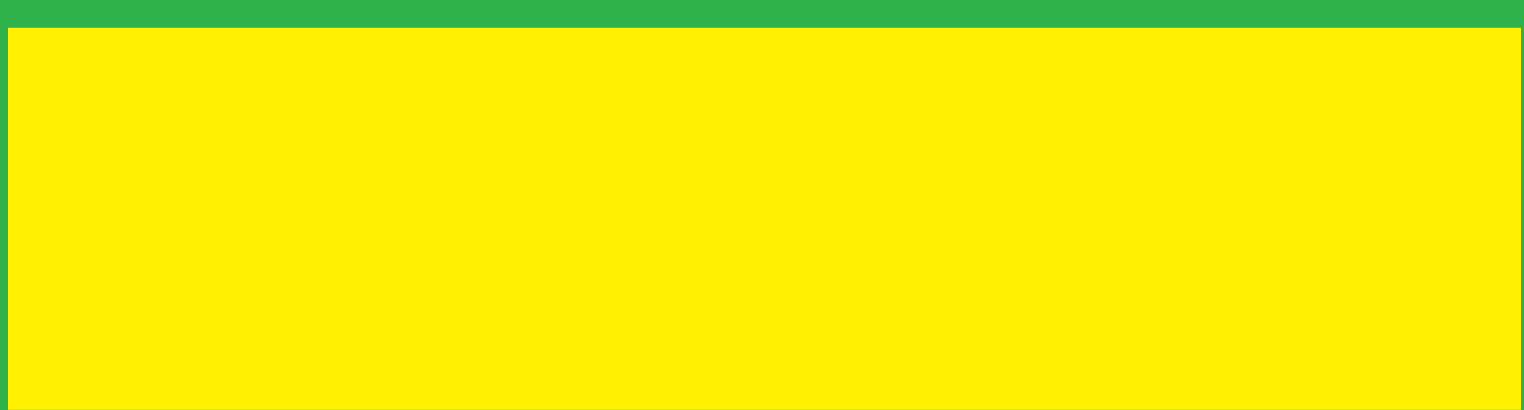
Torque wrench settings Discovery 2.0 MPI 1995 to 1997

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	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	130
Spark plugs	Nm	27

Capacities Discovery 2.0 MPI 1995 to 1997

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	2.67. Transfer: 2.3
Automatic transmission - refill	litres	9.1
Final drive	litres	1.7. Rear: 1.7
Cooling system	litres	10.0
Fuel tank	litres	89

Notes and Illustrations



1994 cm³