

Engine & Cooling

Fuel

Ignition

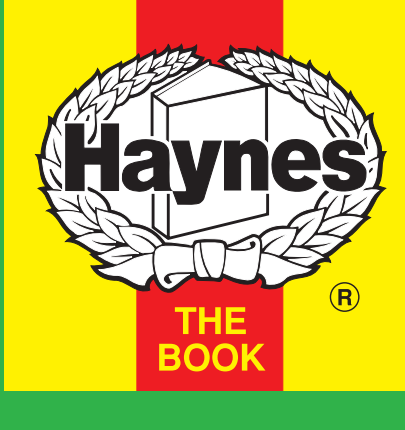
Electrical

Running gear

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Automotive Technical
DATA BOOK

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Engine and cooling system1141995 to 1997

Type		K8 SOHC 8V
Capacity (cm ³) / number of cylinders		1397 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.0
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	76 to 80
Radiator cap pressure	bar	0.9 to 1.0

Fuel system1141995 to 1997

Idle speed - manual [auto]	rpm	875±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.4
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Rover
Type / ref		Indirect SPI + MEMS
Main jet / needle		_
Injection pressure	bar	1.0 to 1.1
Pump pressure	bar	2.7
Octane rating	RON	95[U]

Ignition system1141995 to 1997

Type		MEMS
Ignition coil		AUU1326 or ADU8779
Primary resistance	ohms	0.71 to 0.81
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10° BTDC @ 875±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 system1141995 to 1997

Battery	V / CC / RC	12 / 280 / 50 or 360 / 60
Alternator voltage / full load current / engine rpm		12 / 65 / 3000
Starter motor current / voltage - cranking	A / V	0.8kW
- locked	A / V	_

Running gear1141995 to 1997

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

Tyres		
Saloon	Size	155/65x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -25'
Camber		18'±37'
Castor		23'±55'
King pin inclination		10°52'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	10' to 50'
Camber		-1°±30'

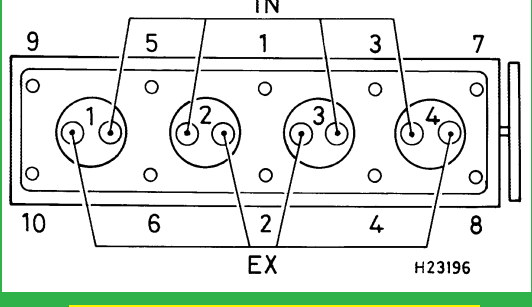
Torque wrench settings1141995 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+180°
Cylinder head - stage 3	Nm	+180°
- stage 4	Nm	_
Big-end bearings	Nm	20 + 45°
Main bearings	Nm	WSM
Clutch cover	Nm	18
Flywheel [driveplate]	Nm	85
Front hubs	Nm	210
Rear hubs	Nm	120
Wheel nuts / bolts	Nm	70
Spark plugs	Nm	25

Capacities1141995 to 1997

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	4.5
Final drive	litres	WT
Cooling system	litres	4.5
Fuel tank	litres	30.5

Notes and Illustrations



1397 cm³, 8V