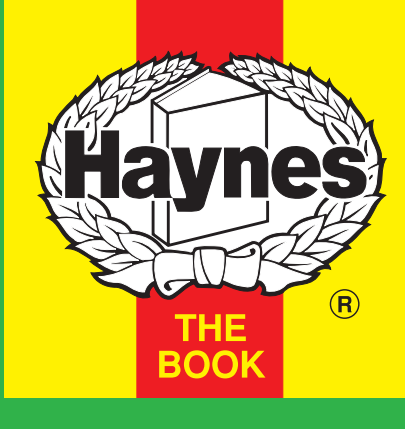


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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.

MENU	HELP
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Engine and cooling system825 Sterling V61996 to 1997

Type		KV6 24V DOHC
Capacity (cm³) / number of cylinders		2497 / 6
Compression ratio / pressure	bar	10.5 / _
Oil pressure	bar	≥1.0 [≥3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-6-5-4-3-2
No 1 cylinder position		TGF
Thermostat opening temperature	°C	78 to 86
Radiator cap pressure	bar	1.05

Fuel system825 Sterling V61996 to 1997

Idle speed - manual [auto]	rpm	750±50 N/A
Fast idle speed - manual [auto]	rpm	1000 to 2000 N/A
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
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 2J MPI
Main jet / needle		_
Injection pressure	bar	3.0±0.2
Pump pressure	bar	3.2
Octane rating	RON	95[U]

Ignition system825 Sterling V61996 to 1997

Type		MEMS
Ignition coil		NEC 10047
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	15°±2° BTDC @ 750±50 N/A
V = Vacuum NV = No Vacuum		
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/Champion
Type		GSP6652 / RC7YCC
Electrode gap	mm	0.85

Electrical system825 Sterling V61996 to 1997

Battery	V / CC / RC	12 / 680 / 135
Alternator voltage / full load current / engine rpm		12 / 100, 85 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear825 Sterling V61996 to 1997

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

Tyres		
Saloon	Size	195/65x15: 205/55x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 1.8. Coupé: 2.2 / 2.2
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[0°±15']
Camber		0°24'±1°12' N/A
Castor		2°11'±2° N/A
King pin inclination		7°37'±1°12' N/A

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+0°22'±15']
Camber		0°18'±1°12' N/A

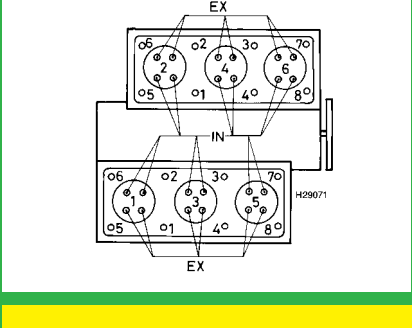
Torque wrench settings825 Sterling V61996 to 1997

Cylinder head - stage 1	Nm	25 oiled
- stage 2	Nm	+90°
- stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	_
Main bearings	Nm	_
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	100 N [75 N]
Front hubs	Nm	395
Rear hubs	Nm	245
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	27

Capacities825 Sterling V61996 to 1997

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	3.2
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	68

Notes and Illustrations



2497 cm³, 24V