

BENTLEY EIGHT





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Body Style	4 door saloon	Electrical	12V, negative earth
Number of seats	2 front, 3 rear	Voltage/polarity	75 amp/hr
Dimensions		Battery capacity	108 amps @ 13.5V
Wheelbase	3061mm (120.5in)	Alternator	2 x 4 amp, 11 x 10 amp
Track front	1537mm (60.5in)	Fuses	14 x 20 amp, 9 x 30 amp
rear	1537mm (60.5in)		One thermal cut-out for centralised door locking system. Integral thermal cut-outs in window lifts and seat motors.
Overall length	5268mm (207.4in)		
Overall width excluding door mirrors	1887mm (74.3in)		
Overall height	1485mm (58.5in)		
Ground clearance	165mm (6.5in)		
Kerb weight	2268kg (4990lb)		
Luggage boot capacity	0.55m ³ (19ft ³)		
Engine		Chassis	
Position	Front longitudinal	Construction	Integral, with separate front and rear subframes
Number of cylinders	8	Brakes front	Ventilated disc
Configuration	90°V		279mm (11.0in)
Bore and stroke	104.14mm x 99.06mm (4.1in x 3.9in)		1464.5cm ² (227.0in ²)
Cubic capacity	6.75litres (411.75in ³)	Brakes rear	Disc
Compression ratio	8.1:1		279mm (11.0in)
Working cycle	4 stroke		1845.2 (286in ²)
Valve arrangement	Overhead	Make	Rolls-Royce Motor Cars
Camshaft	Number Position Drive	Circuits, number and description	2 independently powered hydraulic with anti-lock (ABS)
Tappets	Central between cylinder blocks	Parking brake	Manual to each rear disc
Spark plugs	Gear	Steering	Rack and pinion, power assisted
Firing order	Self adjusting hydraulic		16.9:1
Cylinder block material	NGK BPR 5EV		3.25
Cylinder liners	A1, A3, B3, A2, B2, B1, A4, B4	Suspension front	11.67m (38.3ft)
Cylinder head material	Aluminium-silicon alloy		Independent; lower wishbone, upper stabilised lever, anti-roll bar
Crankshaft bearings - number	Wet, cast iron		Coil
Oil filter system	Aluminium-silicon-magnesium alloy	Suspension rear	Telescopic
Fuel injection system	5		Independent; semi-trailing arm, anti-roll bar, automatic ride height control
Type	Full flow disposable		Coil and auxiliary gas springs
Control	Bosch	Wheels	Strut
Pressure	Mechanical		Aluminium alloy
Fuel pumps	488KPa (70lb/in ²)		165.1mm (6.5in)
Number	2		381.0mm (15.0in)
Position	1 under floor, 1 in tank	Tyres	Type
Fuel octane	91 - unleaded		Radial ply
Air cleaner system	Paper element		Size
Cooling system	50:50 water and antifreeze		Normal pressure front and rear
Maximum power and torque	Not disclosed		Dependent upon usage, see owners handbook
Transmission		Capacities	
Type	Automatic	Fuel tank	108 litres (23.75gal, 28.5 USgal)
Coupling	Torque converter	Engine sump with filter	9.9 litres (17.4pt, 20.8 USpt)
Torque multiplication at stall	2.0:1	Transmission	10.6 litres (18.6pt, 22.5 USpt)
Ratio 3	1.0:1	Final drive	2.3 litres (4.0pt, 4.8 USpt)
2	1.48:1	Cooling system	18.0 litres (31.6pt, 38.0 USpt)
1	2.48:1	Hydraulic systems	5.0 litres (8.75pt, 10.5 USpt)
R	2.08:1	Air conditioning refrigerant	1.9kg (4.25lb)
Gear change type and location	Electric, switch on steering column	Steering system	0.87 litres (1.53pt, 1.84 USpt)
Final Drive			
Type	Hypoid		
Ratio	2.69		
Road speed per 1000 rpm	48.3 kph (30mph)		



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