



Specification

Bentley T Series 4-Door Saloon

ENGINE

Eight-cylinder 90° V-unit with overhead valves, hydraulic tappets. Bore 4.1 in. (104.14 mm.). Stroke 3.6 in. (91.44 mm.). Cubic capacity 380 cu. in. (6,230 c.c.) compression ratio 9.0:1 (8.0:1 engines supplied where 100 octane fuel not available). Cylinder block of high silicon content aluminium alloy with 'wet' cylinder liners of cast iron. Aluminium alloy cylinder heads with austenitic steel valve seats. A nitride hardened chrome molybdenum forged steel crankshaft runs in five main bearings. Oil pump with helical displacement gears and integral relief valve feeds high pressure oil to the camshaft, connecting rods crankshaft bearings and engine gears. Full flow oil filter. Coolant circulation maintained by a centrifugal pump mounted in tandem with fan and twin V-belt auxiliary drive. Twin SU carburettors, automatic choke for cold starting.

TRANSMISSION

Rolls-Royce automatic gearbox providing four forward speeds and reverse through epicyclic gears. Large diameter propeller shaft with ball and trunnion front universal joint and needle roller universal joint at rear. Hypoid bevel final drive. Electrically operated gear selection by lever mounted on steering column. Overall gear ratios

1st	11.75:1	3rd	4.46:1
2nd	8.10:1	4th	3.08:1
Reverse	13.25:1		

SUSPENSION

Independent front suspension by double wishbones, coil springs and telescopic hydraulic shock dampers mounted on the front sub-frame. Suspension design incorporates anti-dive characteristics when braking. Independent rear suspension by trailing arms, coil springs and telescopic

hydraulic shock dampers mounted on the rear sub-frame. Suspension design incorporates anti-lift characteristics when braking.

HEIGHT CONTROL

Two speed automatic height control operated by engine driven hydraulic pump. One height sensor on front suspension and two on rear suspension maintain optimum riding height and attitude regardless of loading. Fast height control when doors open or neutral gear is selected.

STEERING

Power assisted, rotary valve, integral ram steering box. Mechanical element by low friction recirculating ball. Four turns of steering wheel lock-to-lock. Turning circle 38 ft.

WHEELS AND TYRES

15 in. steel disc wheels on five studs carrying 8.45 x 15 low profile tyres.

BRAKES

Triple hydraulic system including two independent power circuits and one direct master cylinder circuit. One power system provides 46% of the total braking, operating one caliper on each front disc and part of the rear brake, whilst

the other power system provides 31% of the total braking, operating the other caliper on each front disc. The direct master cylinder to part of the rear brake provides 23% of the total braking. 11 in. damped discs on all four wheels. Deceleration conscious, pressure limiting valve prevents premature rear wheel locking.

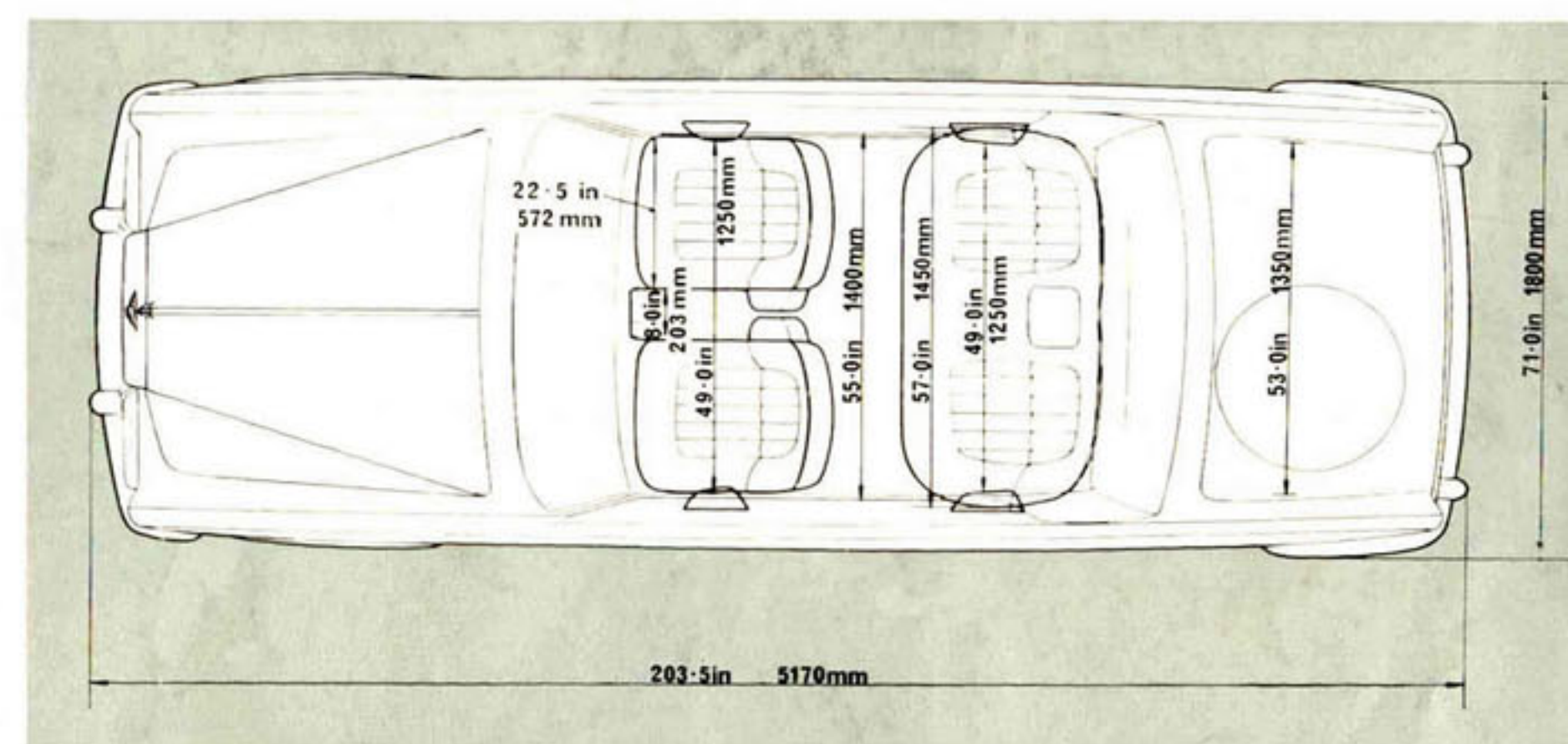
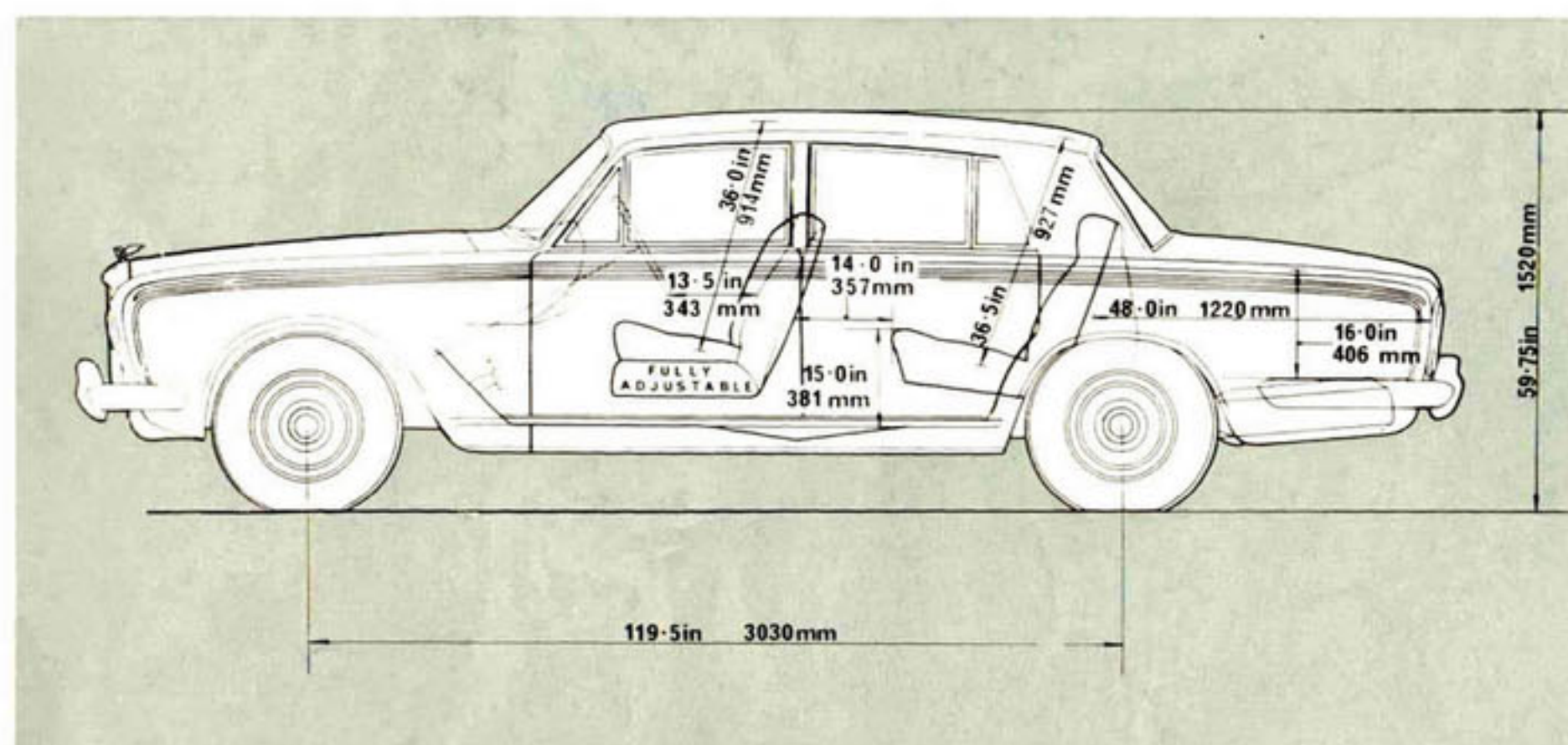
COACHWORK

Five seat, 4-door Saloon of stressed steel monocoque construction of great strength and rigidity. Boot lid, doors

and bonnet top of aluminium alloy. Individual front seats electrically adjustable for height and for forward/rearward movement, with backrest manually adjustable. Upholstery in English hide, deep pile carpet, washable headlining. Walnut veneer facia and garnish rails. Padded capping rail covered in black leather. Fresh air demisting and heating system. Rear window electrically demisted. Electrically operated windows and radio aerial. Vanity mirrors in rear quarters. Air conditioning unit available if required.

ELECTRICAL SYSTEM

12-volt negative earth fully fused. Automatic voltage regulation of generator current. Starter motor with pre-engagement solenoid. 64 ampere-hour battery. Twin electric fuel pumps. Four headlamp system. Foot controlled dipping switch with safety circuit. Direction indicator switch on steering column. Side lamps and front direction indicators in combined unit in nose of front wings. Additional direction indicators on side of front wings. Combined stop, tail and reversing lamps in rear wings. Windscreen washers and two speed windscreen wipers. Warning lamps on facia for hydraulic accumulator pressure, engine oil pressure, coolant level, fuel level, ignition and hand brake on/stop lamp failure. Dimming device for fuel



warning lamp. Solenoid operated fuel filler flap. Radio with front and rear speakers. Cigar lighters on rear doors and facia. Four interior roof lamps incorporating two reading lamps in rear.

CAPACITIES

Fuel	24 Imp. gall.	28.8 U.S. gall.	109 litres
Engine oil	14 Imp. pints	16.8 U.S. pints	8.0 litres
Gearbox oil	24 Imp. pints	28.8 U.S. pints	13.6 litres
Coolant	28 Imp. pints	33.6 U.S. pints	16 litres