

BRISTOL 410

YOUR SAFETY

Today, a great deal of importance is attached to collapsible front and rear ends and encapsulating the passengers. For the past 20 years the 'Bristol' has been one step ahead by protecting the engine, steering box and fuel tank as well, not only from head-on crashes, but, almost equally important, from side impacts as well. How often a frontal collision results in a vehicle being hurled sideways into some other object! The second stage of an accident can be more disastrous than the first. A 'Bristol' is 'built like a battleship' anyway, with a strong steel scuttle and body structure which is covered with a heavy gauge aluminium skin, but the real foundation of your safety lies in a massive steel chassis frame — probably the strongest chassis structure in any car in the world. Indeed, very few possess one at all. This means that once the crushable front or rear end has done its job, the rigid box sectioned chassis frame and front cross member take over. 'Bristol' designers believe this to be the most certain way of ensuring that the body will not disintegrate or collapse, the power unit will not enter the passenger compartment, nor the steering column be forced backwards. Safety straps and a deformable steering wheel complete the job. In side impacts, the deep steel frames round the doors absorb initial shock and then again this solid chassis frame takes over to safeguard both occupants and fuel tank. Years of experience with this structure have demonstrated that even in very severe accidents the passenger compartment remains intact.

LOOKED AT FROM ANY ANGLE — THE 'BRISTOL' IS A VERY SAFE CAR.

BRISTOL CARS · FILTON · BRISTOL · ENGLAND

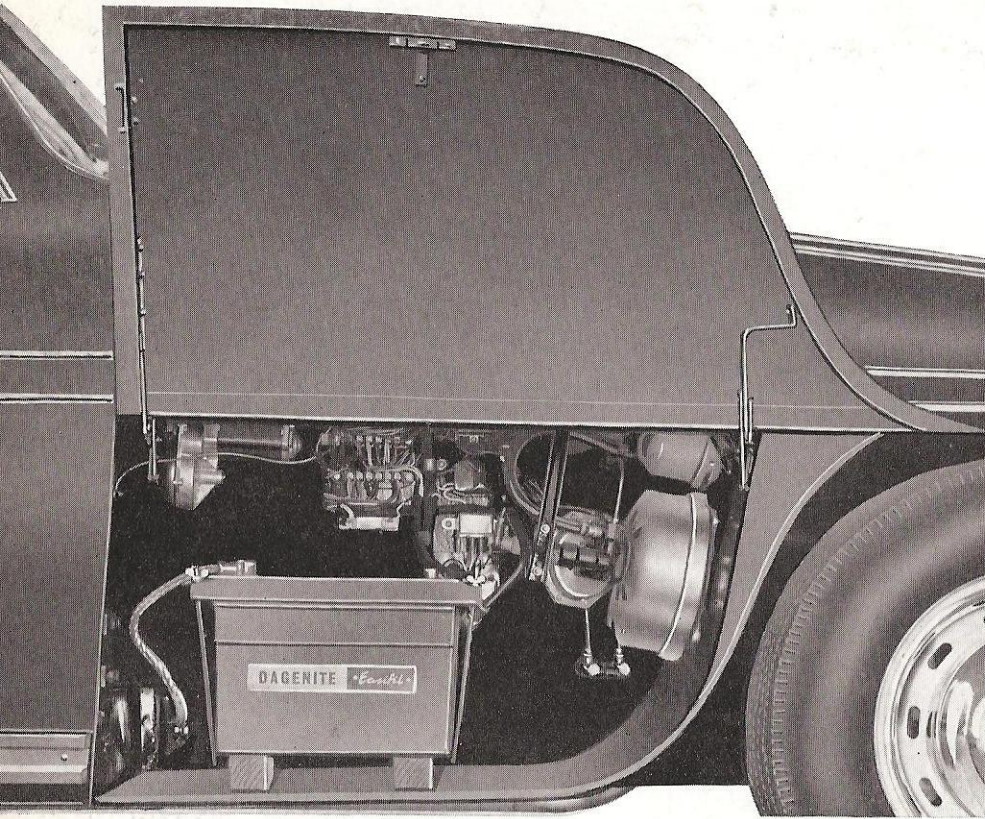
London Showrooms :

EASTBURY COURT, 364-370 HIGH STREET, KENSINGTON, LONDON, W.14 Tel. EMPRESS 5554/5/6

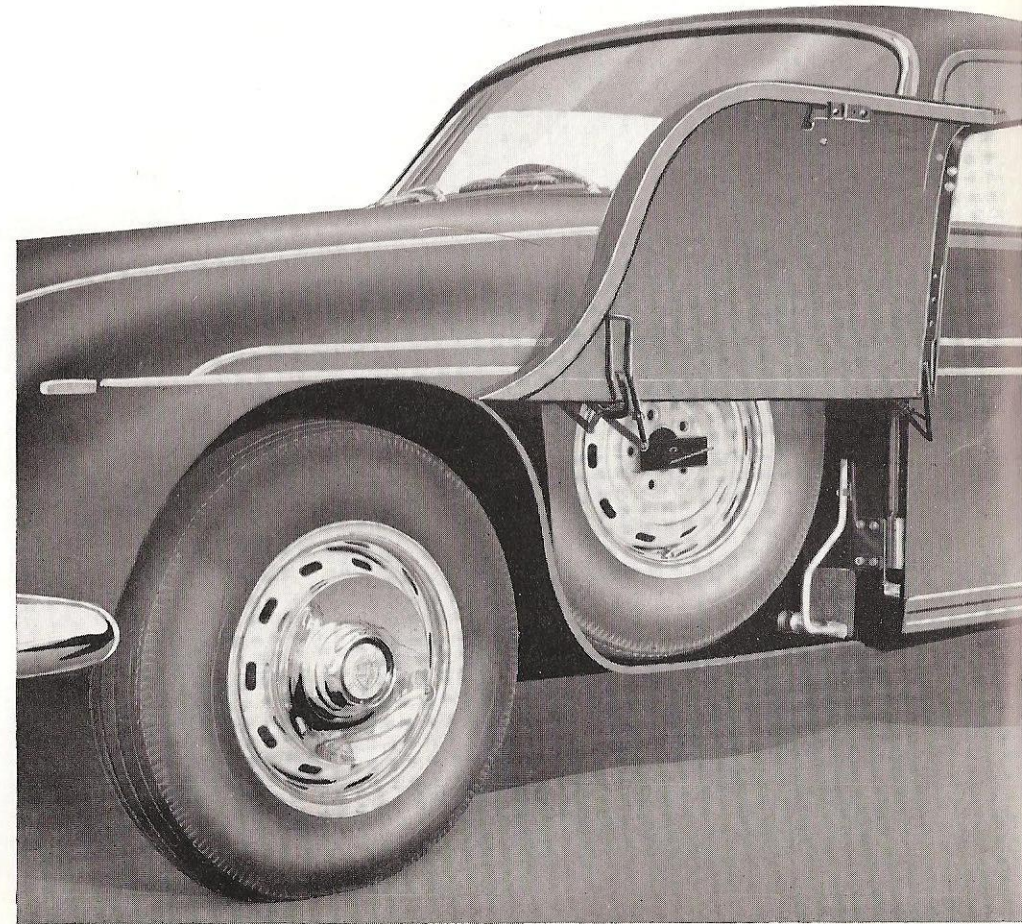


UNIQUE BRISTOL FEATURES

The 'easyfil' battery, charged by alternator, the windscreen wiper motor, twin brake servos and a carefully laid out fuse box are fitted inside the hinged panel on the right hand side.

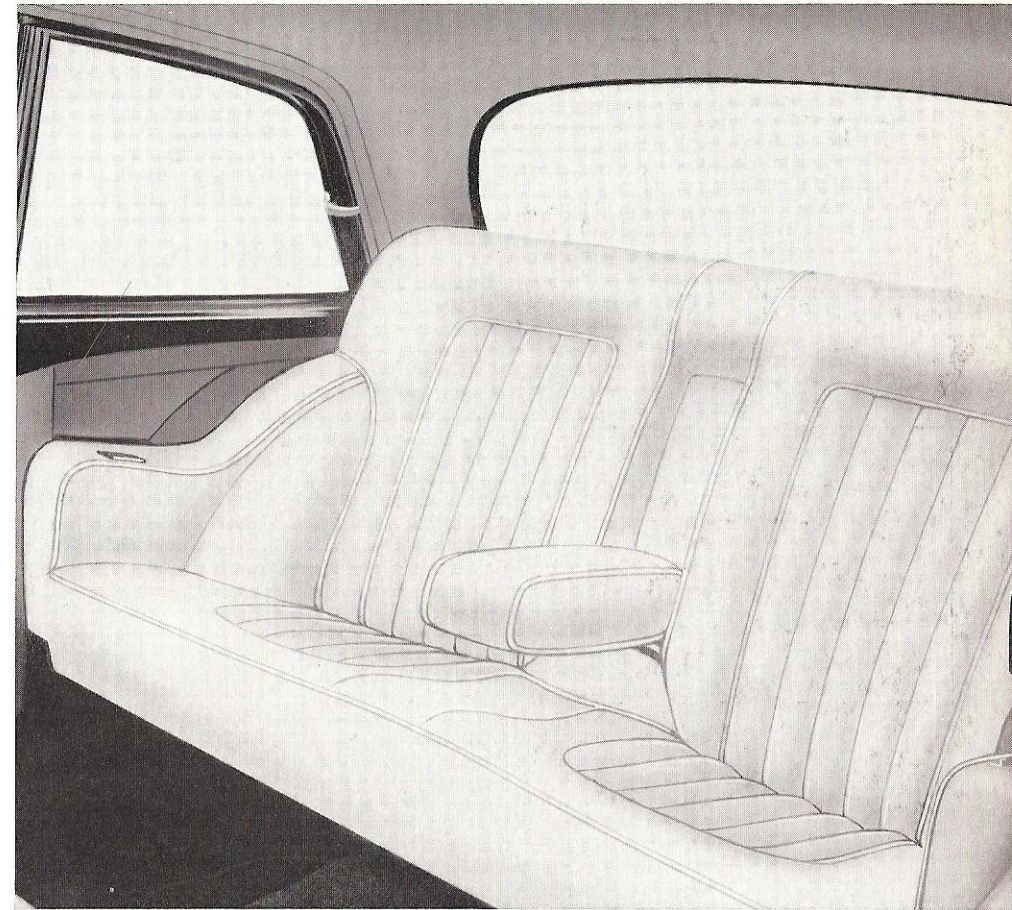


The spare wheel, jack and wheelbrace are housed inside the hinged panel on the left hand side, making wheel changing a simple operation and allowing the full volume of the deceptively large boot to be used for luggage.



SAFETY, COMFORT AND SPACE

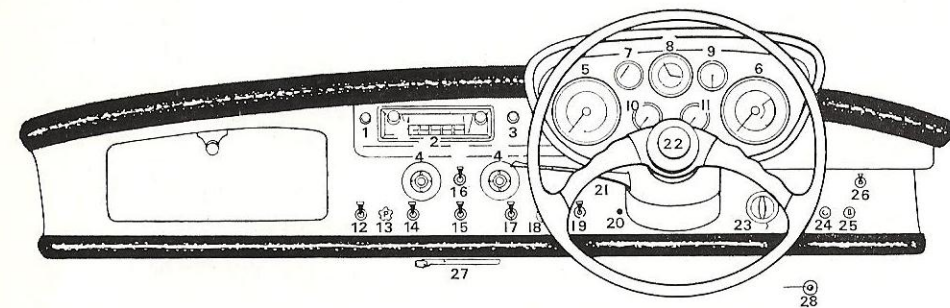
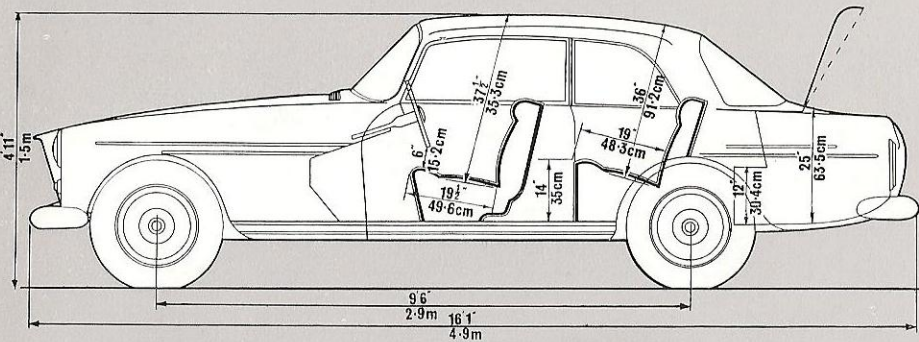
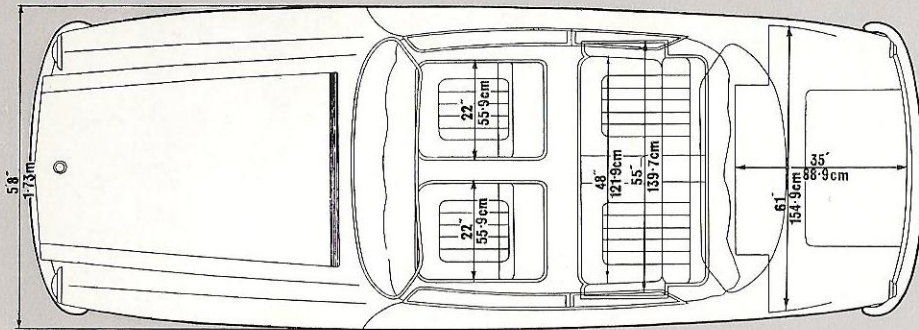
Particular care has been taken in the general comfort of rear seat passengers. There is ample head and leg room with seats constructed to provide good lateral stability. Deep pockets have been built in on either side, with a wide parcel shelf behind the seats. The large rear screen incorporates electric demisting and defrosting elements.



Fully adjustable and reclining front seats specially designed to reduce fatigue to the minimum. All instruments, which are black with white lettering, are directly in front of the driver. Other controls are carefully grouped and all within easy reach. The specially selected walnut fascia has a large lockable cupboard on the passenger's side and wide rigid pockets are built into both doors.

IMPORTANT FEATURES

- ★ Every car is individually built and tested by highly skilled craftsmen.
- ★ The 8-cylinder 5-litre engine is quiet, flexible and very potent and enables the car to “ghost” silently through slow traffic yet accelerate to 100 miles an hour in less than 26 seconds.
- ★ With a top speed of over 130 miles an hour, only half throttle is needed at 70 miles an hour, so that fuel consumption is unusually good.
- ★ Power assisted steering, of great accuracy, gives minimum fatigue in slow manoeuvring while retaining the feeling of direct contact with the road at speed.
- ★ There is more than adequate room for four 6 ft. people and the wide doors, opening well above kerb level, allow easy access.
- ★ Two separate braking systems control fade free hydraulic discs on all four wheels, with a powerful, self-adjusting handbrake in addition. A mechanical lock is available for parking.
- ★ The gearbox is one of the smoothest in the world. It is fully automatic and yet, if preferred, the full 250 h.p. can be controlled manually with a well-positioned gear lever mounted on the floor. Engine braking is retained on all gears.
- ★ Electrically adjustable shock absorbers fitted to the rear suspension allow the driver his choice of ride for speed and road conditions.
- ★ While a wide and attractive range of colours, both for paint and leather, is available as standard, a customer may choose any colour to his own taste at no extra cost.



- | | |
|--|--|
| 1. Radio speaker balance control knob. | 14. Fog lamp switch. |
| 2. Radio controls. | 15. Radiator cooling fan manual override switch. |
| 3. Cigar lighter. | 16. Heater and ventilator blower switch. |
| 4. Heater controls. | 17. Rear screen demist switch. |
| 5. Speedometer incorporating headlamp and fan hold warning lights. | 18. Windscreen wiper and washer switch. |
| 6. Revolution counter incorporating direction indicator and fuel reserve warning lights. | 19. Petrol reserve switch. |
| 7. Ammeter. | 20. Speedometer trip reset knob. |
| 8. Clock. | 21. Direction indicator and headlamp flasher switch. |
| 9. Fuel gauge. | 22. Horn push. |
| 10. Water temperature gauge. | 23. Selectaride shock absorber control. |
| 11. Oil pressure gauge. | 24. Brake fluid warning light. |
| 12. Courtesy (interior) light switch. | 25. Ignition and starter (key) switch. |
| 13. Panel light rheostat. | 26. Main lighting switch. |
| | 27. Cold air supply control lever. |
| | 28. Bonnet release. |

SPECIFICATION FOR BRISTOL TYPE 410

ENGINE

Specially manufactured for Bristol Cars by Chryslers of Canada. Eight cylinder 90° Vee with overhead valves—push rod operated. Bore 99.31 m.m. (3.91 in.); stroke 84.07 m.m. (3.31 in.). Capacity 5211 c.c. (318 cu. in.). Compression ratio 9 : 1. Power output 250 b.h.p. at 4,400 r.p.m. Maximum torque 340 lb. ft. at 2,800 r.p.m. Crankshaft statically and dynamically balanced, running in five main bearings. Special high lift camshaft driven by silent chain and supported in five main bearings. Mechanical tappets. Lubrication system incorporates rotor type oil pump with integral relief valve, full pressure feed to camshaft, connecting rod and crankshaft bearings, reduced feed to timing gears, chain, hollow valve rocker shafts and push rod ends. Full flow oil filter. Carter 4 choke downdraught carburettor, automatic choke for cold starting, manifold heat control valve for rapid warm up. Large paper element air cleaner/silencer. Sealed, pressurised cooling system, capacity 32½ pints (Imp.) (18.5 litres), with centrifugal pump and thermostatically controlled circulation. Twin electric fans, automatically controlled by thermostat, ensure optimum cooling irrespective of engine speed.

TRANSMISSION

Chrysler Torque-flite three forward speed and reverse automatic transmission, with fluid torque converter, gives variable ratio drive incorporating intermediate gear hold, permitting engine braking. Gears selected by floor mounted selector lever with six positions—P (Park), R (Reverse), N (Neutral), D (Drive), 2 (Second) and 1 (Low). Ratio—Low 7.52, Intermediate 4.45, High 3.07, Reverse 6.75. Torque converter stalled ratio 2 : 1.

CHASSIS

Closed box section welded steel construction with three cross members, forming a very robust structure of great protective strength. Open propeller shaft. Smiths Bevelift jacking system using built-in jacking points.

SUSPENSION

Front—independent by wishbones of unequal length with coil springs, telescopic hydraulic dampers, torsional anti-roll bar. Rear—Watts linkage, with torsion bar springs, electrically adjustable telescopic dampers.

STEERING

Power assisted (standard)—recirculating ball type 15.7 : 1 ratio. Sealed ball joints. 17 in. 2-spoke adjustable safety design steering wheel.

WHEELS

Dunlop pressed steel, perforated, bolt-on disc wheels with wide base rims. Avon Turbospeed 6.70 x 15 tyres and tubes.

BRAKES

Separate hydraulic systems for front and rear, each having its own master cylinder and failure warning device connected to lamp on instrument panel. Self-adjusting, servo-assisted Girling disc brakes on all wheels; handbrake employs separate clamps operating on rear discs, with automatic adjustment. Pull up type lever mounted on floor between front seats. Mechanical parking lock working through transmission operated by gearchange lever.

ELECTRICAL SYSTEM

12-volt battery and coil negative earth ignition system, centrifugally and vacuum controlled advance and retard; 64 amp/hr. battery. High performance alternator charging system.

BODY

Full 4-seater with welded steel structure and aluminium alloy panelling. Two doors hinged on front pillars. Individual fully adjustable front seats with fully reclining backs, which tip forward to allow easy access to rear. Individual rear seats accommodate two persons in comfort and have folding centre armrest. Interior upholstered in top quality hide over foam rubber cushions and backs. Protective padding above and below fascia panel. Walnut veneered fascia panel, instrument panel and door cappings. Pile carpet with soundproof underlays. Lockable glove box, also pockets in doors, on rear of front seats and sides of rear seats. Full width rear parcel shelf. Courtesy roof light operated either by the doors or independent switch. Four ash trays. Cigarette lighter. Full width front and rear bumpers. Windscreen and rear screen in laminated plate glass; door lights and quarter lights in toughened plate. Hinged rear quarter lights. Spare wheel housed in unique compartment in left hand front wing. Similar compartment on right hand side houses battery, twin brake servos and fuse panel. Luggage boot, 19 cu. ft. capacity, with tool stowage shelf. Underside of body fully undersealed. Inside of body selectively treated with anti-drumming material.

HEATING AND VENTILATING

System provides fresh air at desired volume and temperature. Air is fed to heater from opening below the windscreen, minimising intake of traffic fumes. Four slots at base of windscreen for demisting and defrosting. Additional cold air vent below fascia. Rear window electrically heated.

INSTRUMENTS, LIGHTING and CONTROLS

Instruments, grouped in cowl in front of driver, have rheostat controlled illumination and include a 4" dia. speedometer with trip recorder, a 4" dia. tachometer, an ammeter, petrol gauge, oil pressure gauge, water temperature gauge and electric clock. Warning lights for headlamp main beams, direction indicators, brake fluid level, manual override switch for cooling fans and petrol reserve. Sealed beam four headlamp system, outer pairs giving main and dipped beams, inner pairs main beam only with foot operated dip switch. Side and direction indicator lamps and side repeat direction indicator lamps. Twin combined tail, stop and direction indicator lamps incorporating reflectors. Twin automatic reversing lights. Rear number plate light. Automatic luggage boot light. Dual 2-speed, self-parking windscreen wipers. Windscreen washers. Twin windtone horns. Interior convex driving mirror. Combined direction indicator and headlamp flash switch mounted on steering column. Rheostat controlled, subdued, facia illumination, hazard warning system, and red reflectors on the trailing edges of both doors.

FUEL SYSTEM

Tank mounted behind rear seat, sealed from car interior and boot by steel bulkhead. Capacity 18 gallons (Imp.) (82 litres) including 2½ gallons (11 litres) reserve supply controlled by switch on facia panel. Lockable filler cap. Consumption 16—20 m.p.g. (17.66 to 14.12 litres/100 km.).

OPTIONAL EXTRAS

Radiomobile set with balanced front and rear speakers. Electrically operated windows. Cibié lights. Fog and spot lights.

COLOURS

Bodywork. Recommended standard colours as follows, in either single or duo-tone combination.

Pastel Blue	Mist Green	Dark Grey
Azure Blue	Sea Green	Cambridge Grey
Silver Blue	Mint Green	Light Maroon
Midnight Blue	Silver	Crimson
Deep Blue	Silver Grey	Black

Upholstery. Available in the following colours.

Blue	Red	Smoke Blue
Warm Stone	Elephant Grey	Dove Grey
Silver Grey	Black	

OVERALL DIMENSIONS

Wheelbase—9 ft. 6 in. (2.9 m.): Track, Front—4 ft. 6 in. (1.37 m.), Rear—4 ft. 7 in. (1.39 m.): Overall Length—16 ft. 1½ in. (4.91 m.): Overall Width—5 ft. 8 in. (1.73 m.): Overall Height—4 ft. 11 in. (1.5 m.): Ground Clearance—6½ in. (16.5 cm.): Kerb Weight—3528 lb. (1600 kg.).

The right is reserved to alter specification and/or prices at any time without notice.