

BRISTOL 411

THE BRISTOL 411 — FOR HIGH SPEED TOURING IN COMFORT AND SAFETY

- ★ Every car is individually built and tested by men who still understand and appreciate the real meaning of **quality and fine workmanship**.
- ★ Designed for **luxurious travel**, it will accommodate four six foot people and their luggage, yet it can achieve a top speed of 138 m.p.h. (222 k.p.h.). Cruising on a motorway at 70 m.p.h. (112 k.p.h.) requires less than half throttle.
- ★ The eight cylinder engine developing 335 b.h.p. (S.A.E. gross) is **very quiet and remarkably flexible** throughout the range from a crawl in top gear to the extreme of acceleration. 0-70 m.p.h. (112 k.p.h.) in $9\frac{1}{2}$ secs. and 0-100 m.p.h. (160 k.p.h.) in 19 secs. can be obtained.
- ★ **Two separate braking systems** with hydraulically operated discs on all four wheels and a powerful, self-adjusting handbrake. A mechanical lock is provided for parking.
- ★ The rigid steel scuttle and body structure, covered in heavy gauge aluminium, is welded to a massive box section **steel chassis frame**.
- ★ The fully **automatic gearbox** is one of the smoothest in the world. If preferred, it can be operated manually with a well positioned lever mounted on the floor. Engine braking is retained on all gears.
- ★ **Power assisted steering**, of great accuracy, gives minimum fatigue in slow manoeuvring while retaining the feeling of direct contact with the road at speed. The steering column is collapsible in the event of an accident.
- ★ A very **comprehensive heating and ventilating** system is fitted, providing fresh air over a wide range of volume and temperature without opening windows. An air conditioning unit is available if required.
- ★ The standard range of colours is wide and attractive, but **a customer may choose any colour** to his own taste at no extra cost.

BRISTOL CARS · FILTON · BRISTOL · ENGLAND

London Showrooms:

EASTBURY COURT, 364-370 KENSINGTON HIGH STREET, LONDON, W.14. Tel. 01-603 5554/5/6



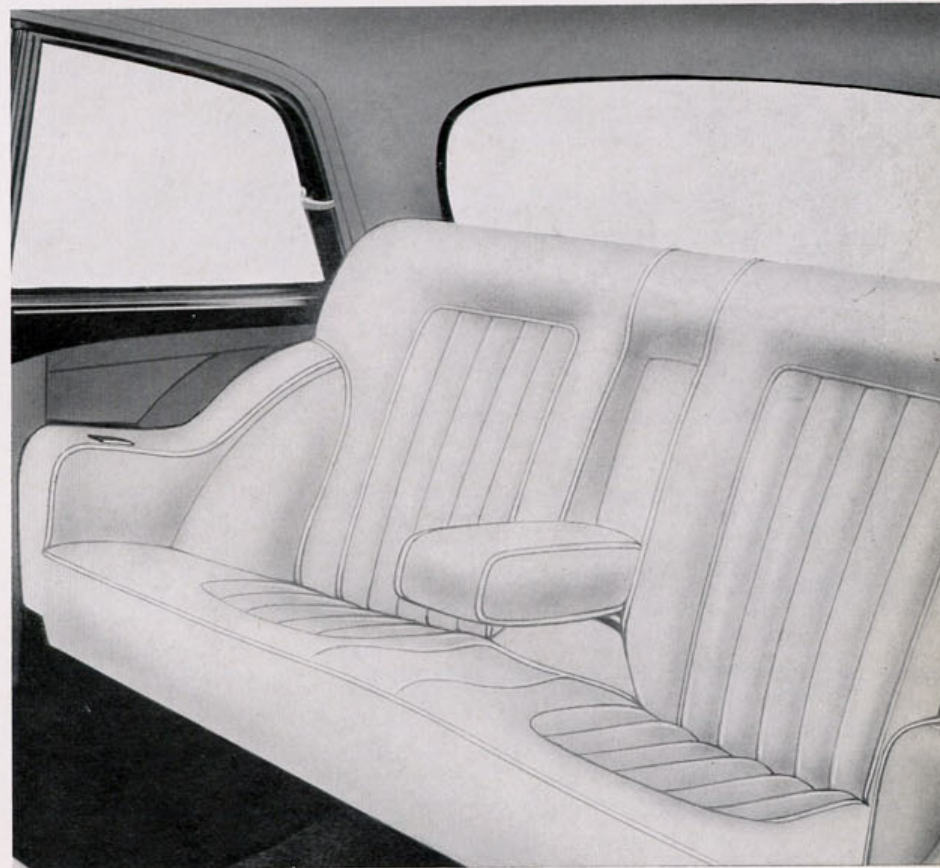
SHIPSHAPE AND BRISTOL FASHION



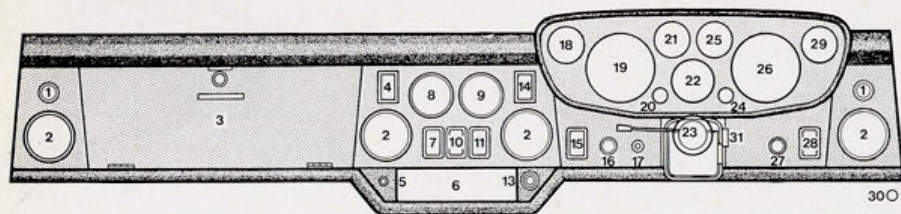
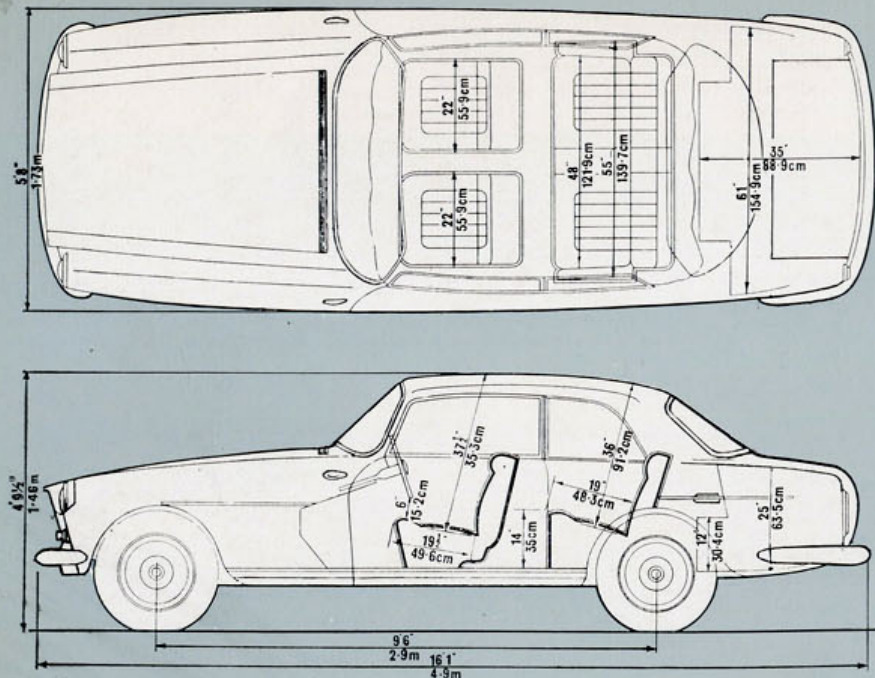
This front view of the Bristol 411 demonstrates the clean lines of the vehicle and the unobstructed view from the driver's seat. The outer pair of headlamps give medium length and dipped beams, while the inner pair are set for long range only. The full width intake immediately ahead of the front screen supplies fresh air for the heating and ventilating system.

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.



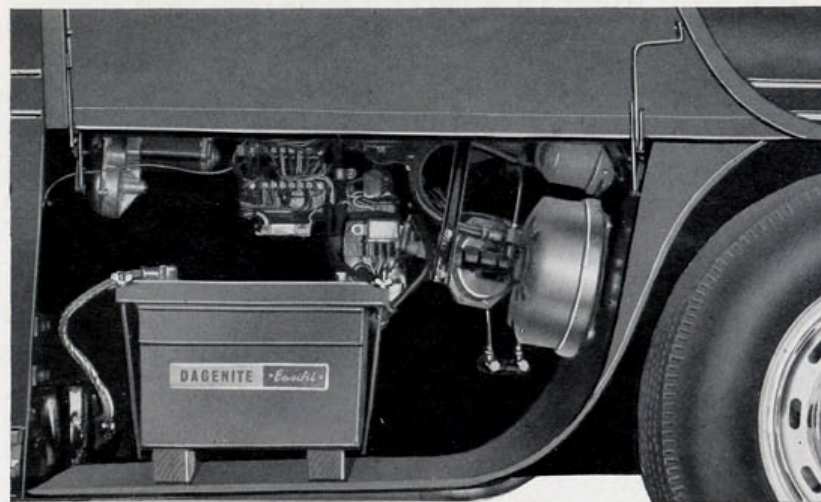
Fully adjustable and reclining front seats specially designed to reduce fatigue to the minimum. All instruments, which are black with white lettering, are directly in front of the driver. Other controls are carefully grouped and all within easy reach. The specially selected walnut fascia has a large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



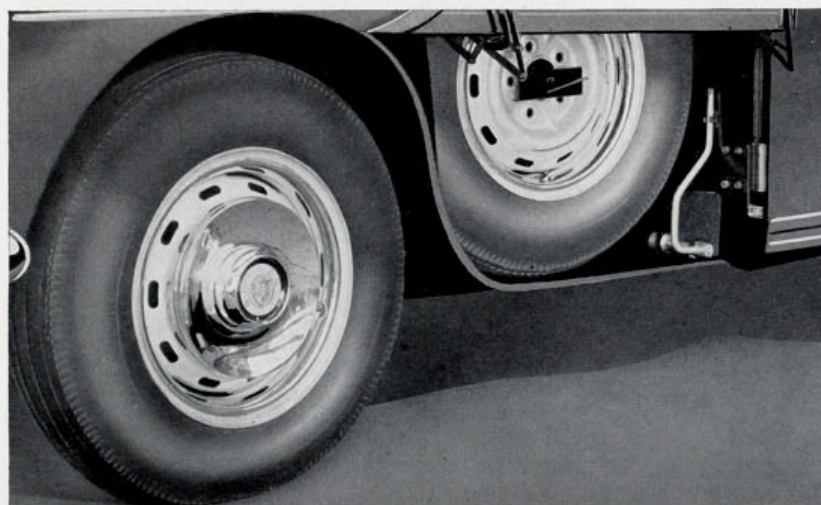
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1. Cigarette lighters.
2. Face level adjustable ventilators.
3. Lockable glove box.
4. Interior light switch.
5. Aerial mast control switch.
6. Radio (if not fitted, open pocket).
7. Radiator cooling fans override switch.
8. Heater control (de-frost and de-mist).
9. Heater control (cold, warm and hot).
10. Heater and ventilator blower switch (off, half speed, full speed).
11. Rear screen de-mist switch.
12. Hazard warning switch.
13. Radio speaker balance control.
14. Fog lamp switch.
15. Petrol reserve switch.
16. Panel light rheostat.
17. Speedometer trip re-set knob.
18. Fuel gauge.
19. Speedometer, incorporating headlamp and fan hold warning lights.
20. Hazard warning light.
21. Water temperature gauge.
22. Clock.
23. Direction indicator, headlamp flasher and horn push.
24. Brake fluid level and handbrake warning light.
25. Oil pressure gauge.
26. Revolution counter, incorporating direction indicator and fuel reserve warning lights.
27. Windscreen wiper and washer switch.
28. Main lighting switch.
29. Battery condition indicator.
30. Bonnet release.
31. Ignition and starter switch, incorporating steering lock.

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.

SPECIFICATION FOR BRISTOL TYPE 411

ENGINE

Manufactured for Bristol Cars by Chrysler. Eight cylinder, 90° Vee with overhead valves—push rod operated. Bore 107.9 m/m (4.25"), stroke 85.72 m/m (3.375"). Capacity 6277 c.c. (383 cub. ins.). Compression ratio 10 : 1. Power output 335 (S.A.E. Gross) b.h.p. at 5200 r.p.m. Maximum torque 425 (S.A.E. Gross) lb. ft. at 3400 r.p.m. Chain driven camshaft, hydraulic tappets. Full flow oil filter. Carter 4 barrel downdraught carburettor, automatic choke for cold starting. Manifold heat control valve for rapid warm up. Large paper element air cleaner/silencer. Cooling system capacity 29 Imp. pints (16.5 litres) pressurised 13 p.s.i. Twin electric fans automatically controlled by thermostat ensure optimum cooling irrespective of engine speed. Engine incorporates "Cleaner Air System", which reduces concentration of hydrocarbons and carbon monoxide in exhaust gas.

TRANSMISSION

Chrysler Torque-flite, three forward speeds 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). Ratios (overall)—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. 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—torsion bar springs with Watts linkage, adjustable telescopic dampers.

STEERING

Power assisted, re-circulating ball type. 15.7 : 1 ratio. Sealed ball joints. 15 in. three spoke steering wheel with an energy absorbing steering column designed to collapse axially at a pre-determined rate. Anti-theft steering column lock operated by ignition key.

WHEELS

Dunlop pressed steel, perforated bolt-on disc wheels with 5 in. rims. Avon Radial-Ply tyres 185 x 15 with tubes.

BRAKES

Separate front and rear hydraulic systems operated by tandem master cylinders. 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. Warning light indicates "handbrake on" position and also checks failure of warning circuit function. Mechanical parking lock working through transmission operated by gearchange lever.

ELECTRICAL SYSTEM

12-volt negative earth system. 71 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. Three ash trays. Two cigarette lighters. 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 VENTILATION

Through flow system provides fresh air at desired volume and temperature without necessity of open windows. Air is fed to heater and/or four individually adjustable cold air face level vents from opening below the windscreen, minimising intake of traffic fumes. Four slots at base of windscreen for demisting and defrosting.

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, a battery condition indicator, petrol gauge, oil pressure gauge, water temperature gauge and electric clock. Warning lights for headlamp main beams, direction indicators, brake fluid level, petrol reserve, handbrake and manual override switch for cooling fans. 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. Two rear number plate lights. Automatic luggage boot light. Dual 2-speed, self-parking windscreen wipers. Windscreen washers. Twin windtone horns. Interior convex driving mirror. Combined direction indicator, horn and headlamp flash switch mounted on steering column. Rheostat controlled, subdued, fascia illumination, hazard warning system, and red reflectors on the trailing edges of both doors.

FUEL SYSTEM

Tank mounted behind rear seat, isolated 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 fascia panel. Lockable filler cap. Consumption 14–18 m.p.g.

COLOURS

Bodywork. Recommended 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 | Ming Blue |
| Midnight Blue | Silver | Crimson |
| Deep Blue | Silver Grey | Black |

Upholstery. Available in the following leathers.

| | | |
|-------------|---------------|------------|
| 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. 1 in. (4.91 m.): Overall Width—5 ft. 8 in. (1.73 m.): Overall Height—4 ft. 9½ in. (1.46 m.): Ground Clearance—5 in. (12.5 cm.): Kerb Weight—3724 lb. (1690 kg.).

Following a process of continual development, the right is reserved to alter specification and/or prices at any time without notice.

