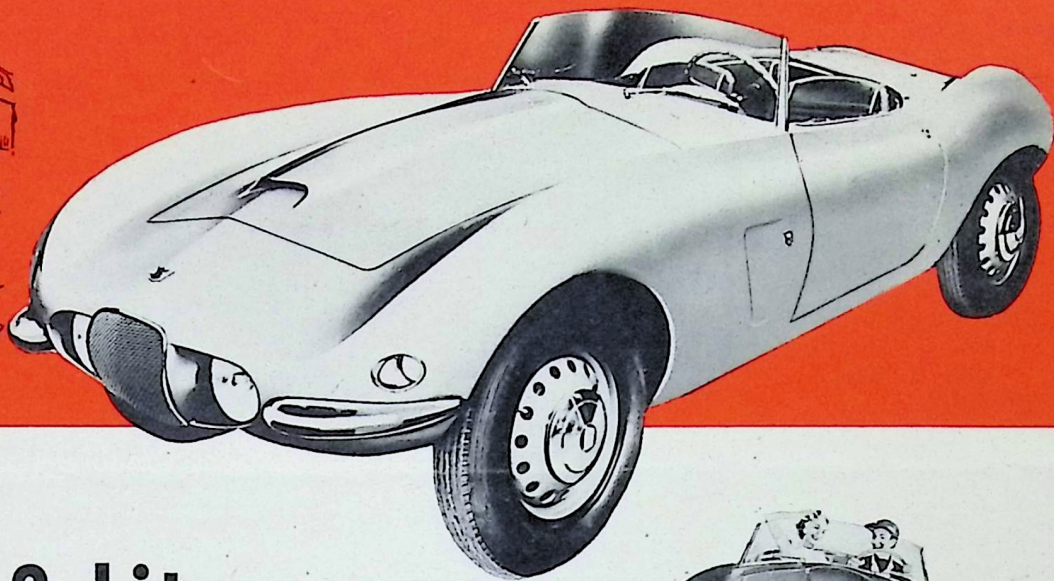
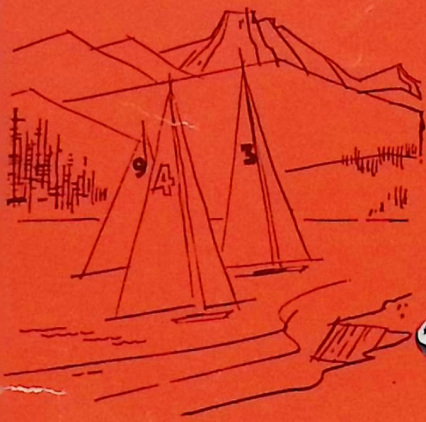
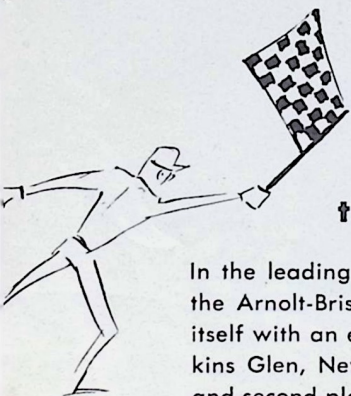


The World's Most Distinguished Sports Car



the 2-Litre **ARNOLT-BRISTOL**

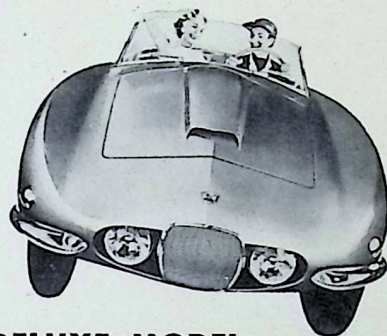
American ingenuity envisioned this dashing sports car; British engineering skill and Italian artistry helped to bring it into being. The result is a personal car with race-car speed and agility that exceeds in performance and elegance the demands of the most discriminating.



the **COMPETITION MODEL**

In the leading American sports car races of 1954, the Arnolt-Bristol Competition Model distinguished itself with an enviable record of victories. At Watkins Glen, New York, in the 2-litre class, the first and second places were captured by Arnolt-Bristols.

The winning car was driven by Mr. S. H. Arnolt. The Arnolt-Bristol also demonstrated its superiority at Chanut Field races in Illinois, at the Lockbourne races in Columbus, Ohio, and at the Offutt races in Omaha, Nebraska.



the **DELUXE MODEL**

The Deluxe Model Arnolt-Bristol with its low radiator, inset headlamps, sloping hood and gracefully streamlined fenders is the most distinctive, the most modern and beautiful sports car on the road.

It is also the most luxurious. Deep cushioned bucket-type seats and comfortable arm rests afford perfect body support on fast, sharp turns. Seats, arm rests and interior richly upholstered in the finest crushed grain leather in harmonizing colors... See and drive the Arnolt-Bristol and you will understand why connoisseurs of fine motor cars acclaim it "the world's most distinguished sports car."



The reason for the superior racing performance of the Arnolt-Bristol Competition Model is an extremely high power-to-weight ratio (1 horsepower to less than 14.7 pounds of weight).

the **ARNOLT-BRISTOL** 2-litre Sports Car sets a new standard
for high power-to-weight ratio for production sports cars

..... **BASIC SPECIFICATIONS**

BASIC FEATURES: Advanced engineering principles give the Arnolt-Bristol the highest power-to-weight ratio of any sports car in the production two-litre class. It is perfect from a standpoint of aerodynamic principles and will stay close to the road on curves as well as on the straightaway in a heavy cross-wind. Arnolt-Bristol is the result of close collaboration on the part of the Bristol Aeroplane Company, England, the Italian body designer Bertone and Mr. S. H. Arnolt of Warsaw, Indiana, who envisioned this luxurious motor car and developed it for American motorists of discriminating taste. It is available in three models—a Roadster for competition driving—a Deluxe Convertible and a Coupe. The latter two models combine sports car agility and speed with family car luxury and comfort.

DIMENSIONS: Wheelbase 8 ft. 0.25 in. (2.445 m). Tread, front 4 ft. 3.86 in. (1.317 m), rear 4 ft. 6 in. (1.37 m). Overall height, for Roadster, 3 ft. 8". Convertible and Coupe 4 ft. 7¾ in. Overall length, for Roadster, 13 ft. 11 in. Convertible and Coupe 14 ft. 3¾ in. Overall width, for Roadster, Convertible and Coupe 5 ft. 8 in.

CONSTRUCTION: Body has reinforcing structures in light steel profiles, welded to the chassis. Doors custom-fitted to panel, mounted in rubber for tight, noise-free, draftless fit. Low, sloping hinged hood locks from inside. Oval grille of distinctive continental design. Curved plexiglas windshield fitted into highly polished alloy mountings. Special nitrocellulose type ICI metallic finish. Wide choice of colors. Wheels finished in aluminum enamel. Weight—under 2,000 lbs.

INTERIOR DETAILS: Seats "anatomic" bucket patented design, with foam rubber cushions adjustable for individual preference. Genuine Connolly leather upholstery in Convertible and Coupe—synthetic leather in Roadster. Arm rests. Grooved rubber mat on floor of Roadster, deep-piled luxurious carpeting in Convertible and Coupe. Rear view mirror. Open parcel compartment on dashboard.

INSTRUMENTS: Large speedometer dial, tachometer incorporating clock, combined instrument complete with fuel gauge, oil pressure gauge, and ammeter. Ignition, direction indicator, main beam, and fuel warning lights. Oil temperature and water temperature gauges. Lighting and ignition combined switch, starter button, mixture control, throttle control, and panel lighting switch with rheostat. Main instruments are grouped directly in front of driver, and suitably cowed to eliminate reflection.

ACCESSORIES FOR ROADSTER: Available as extras—front and rear bumpers, light waterproof top, metallic frames folding flat into a body recess with detachable side curtains, curved safety glass windshield with metallic frames and electric windshield wipers. Car drilled for wipers to be installed as well as a switch for the operation.

ENGINE: 2-litre (1971 c.c. or 120.23 cu. in.) 6 cylinder in line overhead valve engine. Bore 66 mm (2.598 in.). Stroke 96 mm (3.779 in.). R.A.C. rating 16.2 H.P. Compression ratio 9.0 to 1 develops 130 B.H.P. at 5,500 RPM, max. torque 128 lbs. /ft. at 5,000 RPM. Max. permissible revs. 5,500. Fuel consumption at 60 mph 24 miles per gallon. Highest quality chrome iron cylinder block fitted with high nickel content alloy steel dry liners. Aluminum alloy cylinder head fitted with centrifugally cast austenitic alloy steel inserts for valve seats, and bronze inserts for sparking plug bosses. Overhead valves push rod, inlet valves of austenitic chrome nickel steel alloy, exhaust valves from austenitic chrome steel. Polished hemispherical combustion chambers. High efficiency camshaft

carried by four large pressure-lubricated bearings, and driven by duplex chain operating on short centres, giving long life and freedom from noise and adjustment. 10 mm vertical spark plugs, leads and plug tops shrouded to eliminate dampness, and fitted with suppressors. Pressed forged aluminum alloy pistons with three compression and one oil control ring. Special forged steel connecting rods with splash feed to gudgeon pins. Four main bearing crankshaft, fully nitride hardened, statically and dynamically balanced, bearings being of the steel wall, lead indium shell type. Water cooling by fan, and positive pump circulation thermostatically controlled. High pressure lubrication via full flow oil cleaner, which has renewable element. Sump capacity 5.4 qts., excluding oil filter. Rubber cushion mountings virtually eliminate vibrations to chassis.

FUEL SYSTEM: Three multiple-jet downdraught Solex carburetors, Type 32 B.I. with air cleaners and silencers. Engine-driven fuel pump. Fuel filters. Tank capacity 18½ gallons. Fuel warning light on dashboard, indicating fuel reserve.

ELECTRICAL EQUIPMENT: Lucas 12-volt, positive earth, special system with constant voltage control, and fully ventilated large capacity dynamo. 51 amp. battery in engine bay. Lucas sealed-beam headlamps. Side and stop tail lamps have double filament for "flasher" type indicators. Illuminated rear number plate. Rheostat-controlled instrument lighting. Back up lights. Twin "Mellatone" blended horns. Foot operated dimmer switch. "Flasher" direction indicators governed by time switch. Twin blade windshield wiper.

CHASSIS: Welded steel frame throughout with extra rigid and large box section 6½ in. deep, reinforced by three cross members. Integral rear floor construction. Frame soundproofed and finished with anti-rust compound. Independent front wheel suspension employing wishbone arms and a transverse multi-leaf spring. "One shot" chassis lubrication operated by foot pedal. Hydraulic double-acting telescoping shock absorbers. Rear suspension by torsion arms and special triangulated stabilizing bracket at top of rear axle banjo. Lubrication direct from the rear axle. Hydraulic double-acting telescoping shock absorbers.

BRAKES: Lockheed hydraulic on all four wheels with two leading shoes of special type. 11 in. dia. brake drums. Hand brake operates on rear wheels by cables and rods; centrally located between seats.

STEERING: Direct-acting rack and pinion 17 in. diameter three spoke adjustable steering wheel.

TIRES & WHEELS: Michelin 5.50 x 16 in. tires. Exclusive easy-to-clean disc type, ventilated wheels statically and dynamically balanced. Spare wheel in trunk.

TRANSMISSION: Clutch—single dry-plate 8 in. diameter Gearbox: four speeds and reverse; synchromesh 2nd, 3rd, 4th. Rigid gear box casing with large centre bearings for main and lay shafts. Helical cut gears, hardened and ground. All free running gears on needle roller bearings. Centrally located gear lever for fast easy shifting. Gear ratios (overall, using 3.9:1 Rear Axle Ratio) specially selected for best performance under all conditions. Top 3.9:1, third 5.04:1, second 7.12:1, first 11.4:1, reverse 11.27:1. Other ratios also available.

DIFFERENTIAL: Power transmitted by enclosed, self-lubricating gearbox extension. Short fully balanced propeller shaft has needle roller grease-filled universal joints. Semi-floating banjo type rear axle with spiral bevel crown wheel and pinion specially matched to eliminate noise. 2 star differential. Axle shafts machined all over with specially ground seal areas.

Specifications subject to change without notice.

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