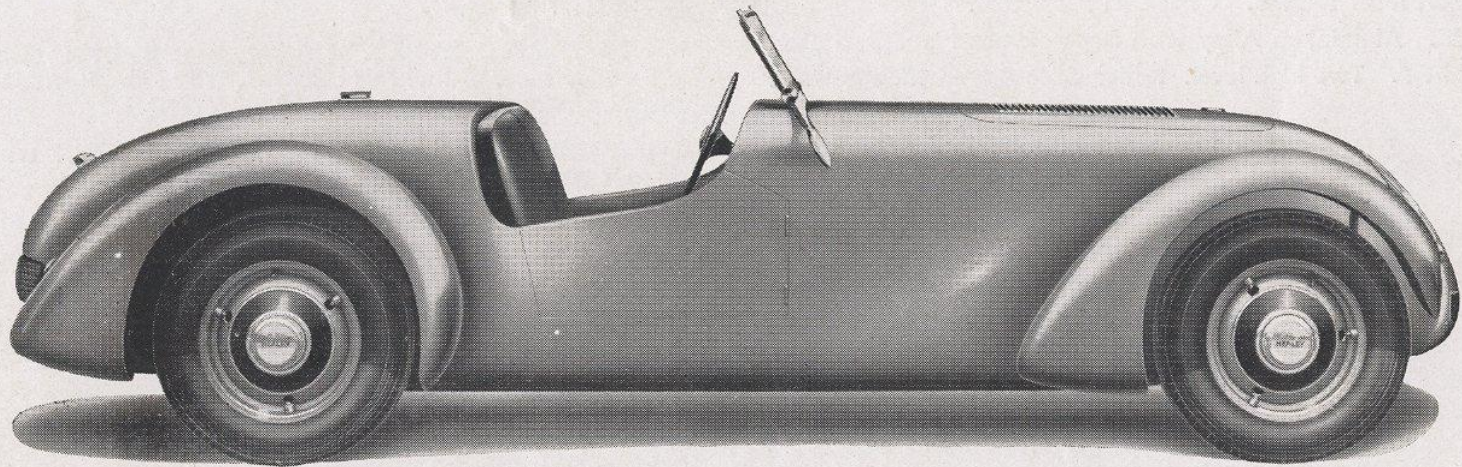


2.4 litre **HEALEY** "Silverstone"



The Autocar

Incorporating all the outstanding characteristics of the successful Healey cars used in Continental events.

Green  
Red  
Blue

Choice of Finishes :-

} with Red or Beige Upholstery

# 2.4 litre HEALEY "SILVERSTONE" SPECIFICATION

**ENGINE.** Manufactured by Riley Ltd., Four-cylinder in line. Bore 80.5 mm. (3.16 inch) × Stroke 120 mm. (4.7 inch) 2.443 c.c. (140 c.u. inch). R.A.C. rating 16.07 h.p.

**CRANKSHAFT.** Of special design, counterbalanced. 2½-inch diameter bearings.

**CYLINDER HEAD.** Detachable. Hemispherical fully machined combustion chambers. "Straight-through" ports.

**VALVES.** O.H.V., 2 per cylinder at 90 degs. Of Silican Chrome steel. Push rod operated.

**CONNECTING RODS.** Of special alloy steel.

**PISTONS.** Aluminium Alloy with large diameter gudgeon pins.

**CAMSHAFT.** Two high level. Roller chain drive with automatic tensioner.

**LUBRICATION.** Forced throughout. Positively driven high capacity pump, circulation through filter. Large size Light Alloy sump.

**IGNITION.** By coil and distributor with automatic and manual advance and retard.

**COOLING.** Sealed pressure type. Circulation by pump and thermo-syphon with by-pass thermostat control. "Cross-flow" cooling in cylinder head.

**CARBURATION.** Two horizontal "H.4" S.U. Carburetters, with manual choke and throttle control.

**EXHAUST SYSTEM.** Special design for minimum back-pressure.

**FRAME.** Scientifically designed of immense strength, for light weight. Box section throughout. Straight side-members, 6-inch deep "Cruciform" bracing.

**SUSPENSION.** **Front**—Independent of "Trailing Link" type incorporating vertical coil springs and large pressure-recuperating hydraulic dampers. **Rear**—Vertical coil springs and large telescopic dampers mounted on light rigid banjo type rear axle.

**TRANSMISSION.** **Clutch**—Borg and Beck single plate 10-inch air cooled. **Gearbox**—Four speed and reverse. Synchro-mesh on second, third and top. Remote control central change speed lever. Accessible filling orifice with dip stick. **Gear Ratios**—Axle ratio 3.50-1, alternative ratios to special order 3.25 and 3-1.

**REAR AXLE.** Torque tube type with constant velocity needle roller bearing double universal joint. Axle located against side thrust by radius arm on rubber bushes.

**BRAKES.** 11-inch × 1¾-inch. Front, Lockheed Two leading shoe. 10-inch × 1¾-inch Rear, Hydraulic on all four wheels. Handbrake operates rear wheels only via cables. Large nickel chrome iron alloy ribbed drums.

**STEERING.** Exclusive steering layout (patented). Light yet positive at all speeds. "High-efficiency" type gear. Thin Rim, spring steering wheel.

**WHEELS AND TYRES.** Dunlop Special light disc wheels extra wide base. All wheels balanced. **Tyre Equipment**—Dunlop Extra Low Pressure, size 5.50 × 15, or 5.75 × 15.

**FUEL SYSTEM.** 16-gallon rear mounted petrol tank. S.U. electric pump (Twin pumps to order).

**ELECTRICAL EQUIPMENT.** 12-volt with automatic voltage control and ventilated dynamo 63 amp. battery. Special fully concealed powerful head-lamps.

**INSTRUMENTS.** 5-inch 120 m.p.h. speedometer. Oil pressure gauge, electrical petrol gauge, water temperature gauge, petrol reserve warning light with Twin pumps only.

**SPARE WHEEL.** Spare wheel carried at rear.

**BODY DETAILS.** Aerodynamic shaped body with Aluminium Alloy panels, wings, valances and bonnet also Light Alloy.

## PRINCIPAL DIMENSIONS.

	ft.	in.		ft.	in.
Wheel base ...	8	6	Overall length ...	14	0
Track front ...	4	6	width ...	5	3
rear ...	4	5	height ...	4	6

The Company reserves the right to alter or amend this Specification without previous notice.

DONALD HEALEY MOTOR COMPANY LIMITED,  
THE CAPE. WARWICK. ENGLAND.

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