

NORMAN W. HILTON

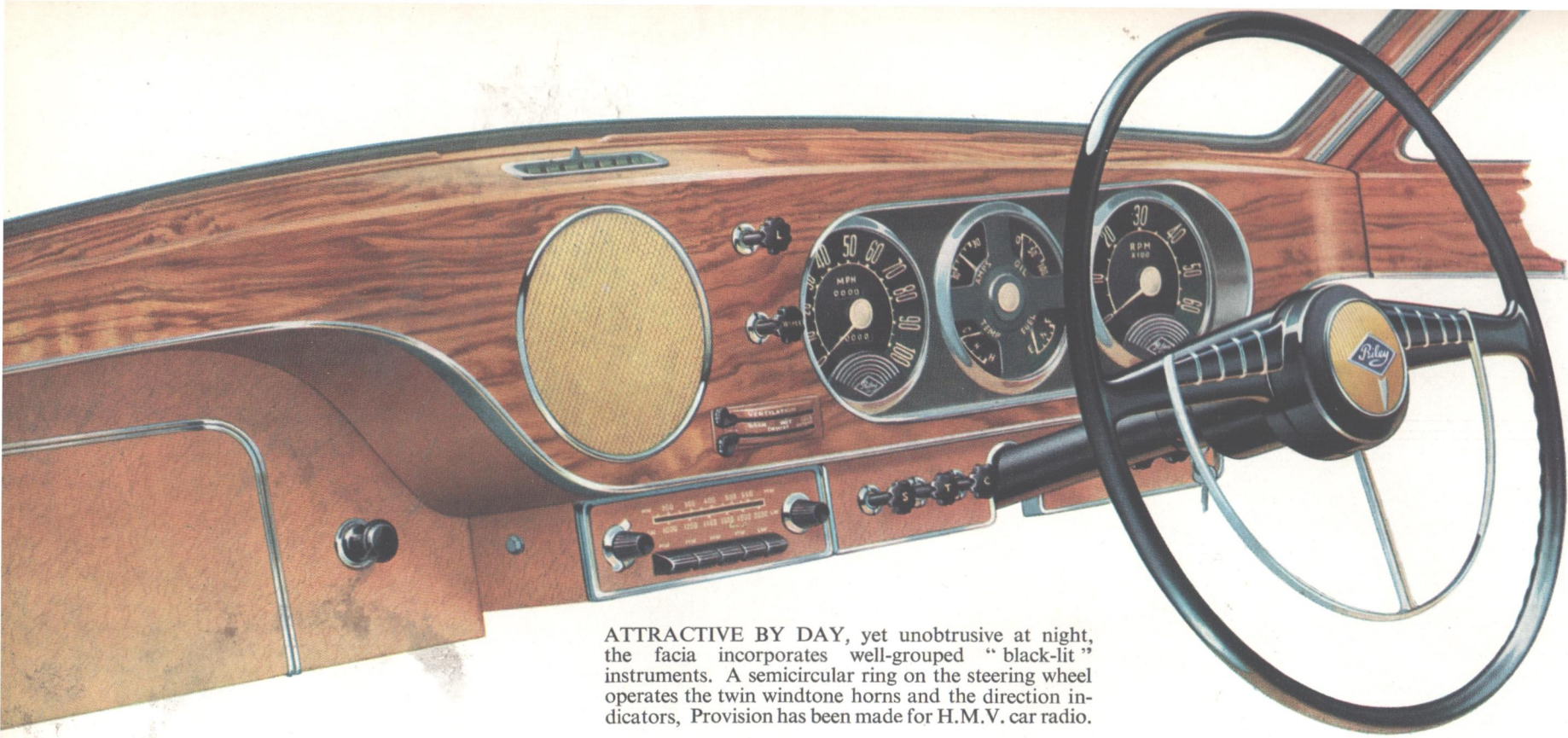
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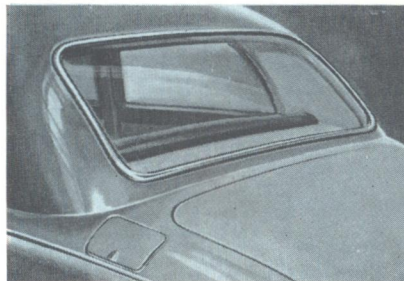
Pathfinder



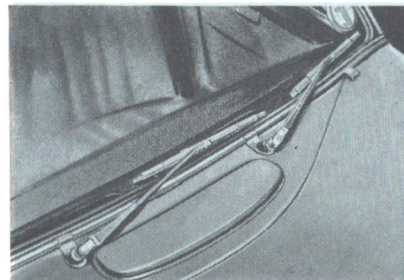
A new conception of Magnificent Motoring



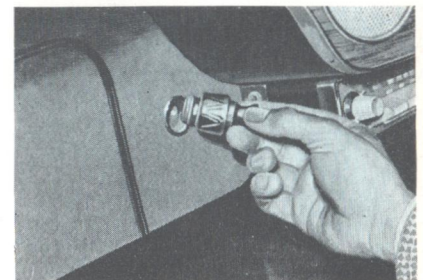
ATTRACTIVE BY DAY, yet unobtrusive at night, the facia incorporates well-grouped "black-lit" instruments. A semicircular ring on the steering wheel operates the twin windtone horns and the direction indicators, Provision has been made for H.M.V. car radio.



SAFE, CONFIDENT REVERSING
Rear window is extra large and curved to blend with the contour of the body. The driver has an excellent rearward view. Filler cap of the 13-gallon (59-litre) fuel tank is concealed.



DUAL WINDSHIELD WIPERS
Driving vision is always clear and safe as twin wipers sweep the windshield in wide arcs. They are self-parking, too! Windshield washing equipment is also a standard fitment.



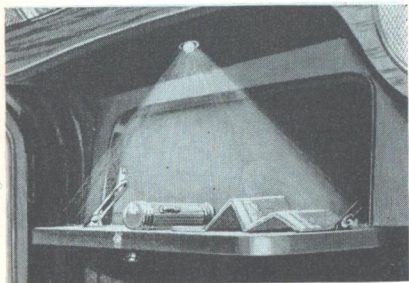
ELECTRIC LIGHTER
Striking matches at night may cause dangerous dazzle. Cigarettes and cigars can be lighted safely by means of an electrically heated element. The device is thermostatically controlled.

A car you will enjoy driving

From graceful radiator to sweeping tail the new Riley Pathfinder brings a host of exciting, exclusive features. The tasteful interior trim and wide leather-covered seats with spacious room for six adults to ride in relaxed comfort typify the impeccable luxury to be found in every inch of this fine car. Polished walnut facia and garnish rails testify to the lasting elegance of an individually built car. A heating and ventilating unit is also provided, keeping you cool when the weather is warm and snug when it is cold. The Riley Pathfinder is a car built for those who want to enjoy motoring *always*.

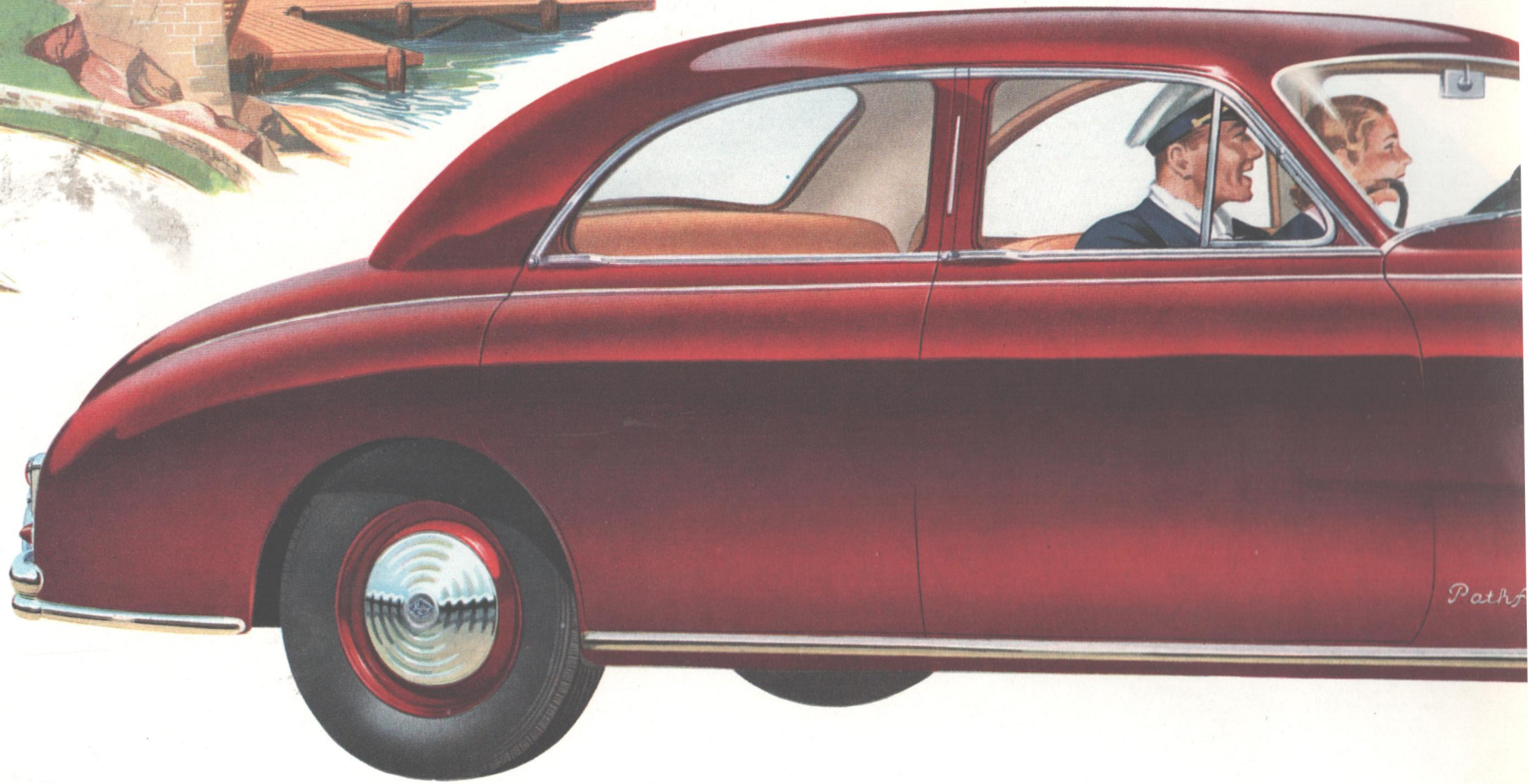


TRAVEL IN COMFORT. You ride in style, in perfect comfort, in the wonderful Riley Pathfinder. The interior has a new spaciousness with deep, wide seating for complete relaxation. Cushions and seat backs are covered with leather; upholstery and trim are in tasteful colours harmonising with the body finish. Ventilating air control keeps the interior fresh and cool in hot weather, and you have a choice of either a one-piece front seat or two bucket seats. Notice the convenient position of the gear lever.



ROUTE-FINDING EASIER
Lid of the glove box on the passenger's side hinges downwards to form a useful shelf for map-reading. A lamp illuminates the shelf from above.

Read



Pathfinder

y to go...with speed and safety

Impressive speed is only half the story. Even more impressive is the way the Riley Pathfinder answers to your touch. Its exciting power comes instantly, effortlessly. The reason is the exclusive design of the Riley engine with its high-efficiency hemispherical combustion chambers. Steering, suspension and brakes show the same engineering leadership.

Motoring enthusiasts everywhere hold this fine car in the highest regard. It is the finest car ever to bear the name of Riley. You'll appreciate why when you drive a Riley Pathfinder.



SPACIOUSNESS AGAIN . . . for your luggage. The locker provides 11 cubic feet (0.3 cubic metre) of unobstructed space, whilst the lid is counterbalanced for easy opening. The spare wheel is mounted beneath the floor and is readily accessible from the outside.



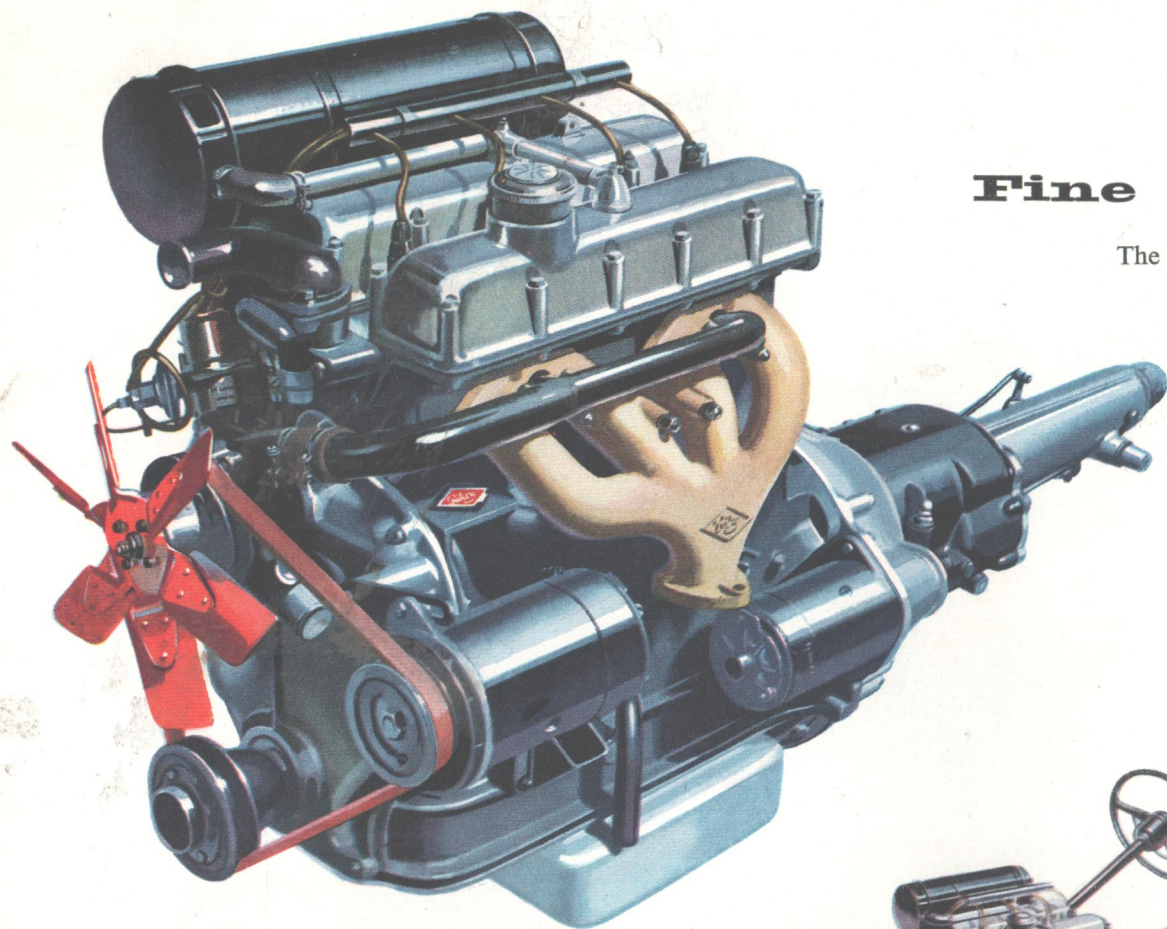
Fine engineering features

The beauty of the Riley Pathfinder is not just skin-deep. Beneath the surface lies a host of fine engineering features.

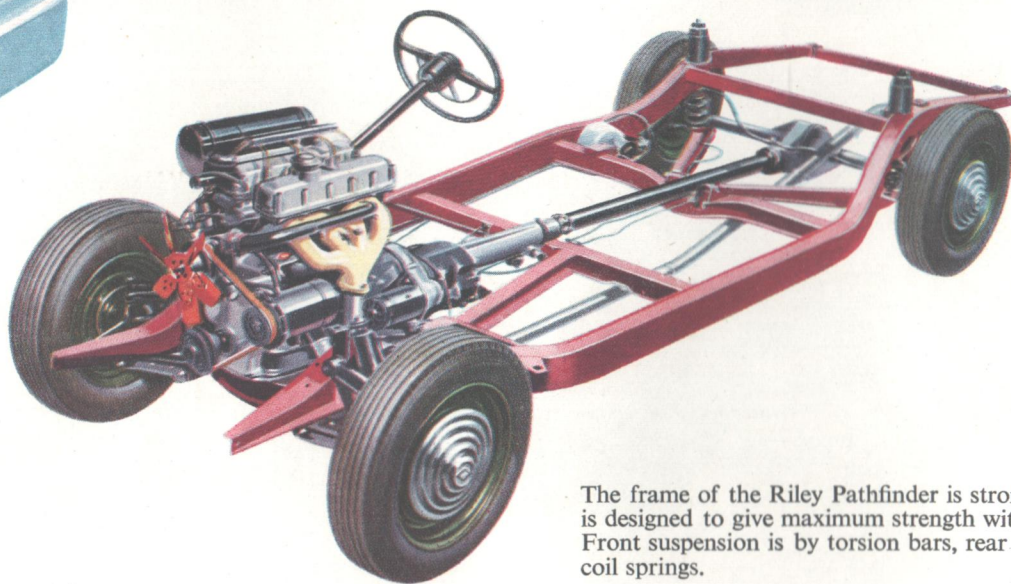
Of completely new design, the chassis frame gives vastly improved road-holding, steering and driving characteristics. Front suspension is by long torsion bars, wishbones and telescopic dampers. Finned casings on all dampers accelerate the dissipation of heat. Coil springs are employed at the rear and two torque arms and an anti-sway bar control rear axle movement. For better engine accessibility, the bonnet and radiator shell lift as one unit.

The rear-mounted fuel pump eliminates vapour locks and the 13-gallon (59-litre) tank is fitted with a quick-release filler cap. Powerful brakes operating through a booster provide adequate braking at relatively low pedal pressures.

The gear change mechanism, operated by a lever placed on the floor by the side of the driver, has an easy motion and permits fast gear changing.



This is the famous Riley 2½-litre engine, an engine, developed from great race-winning Rileys, which combines performance with stamina. Twin S.U. carburetters, a high compression ratio, inclined overhead valves and hemispherical combustion chambers are features that contribute towards its 110 b.h.p. and remarkable efficiency. It is a smooth, flexible engine robustly built to withstand much hard driving with a satisfactory fuel consumption.



The frame of the Riley Pathfinder is stronger, more rigid. It is designed to give maximum strength with minimum weight. Front suspension is by torsion bars, rear suspension by large coil springs.

S P E C I F I C A T I O N

ENGINE : Exclusive Riley design : four cylinders, bore 80.5 mm. (3.169 in.), stroke 120 mm. (4.725 in.), capacity 2443 c.c. (149 cu. in.), brake horse-power 110 at 4,400 r.p.m. Machined hemispherical combustion chambers; inclined valves actuated by short push-rods and rockers from twin camshafts mounted on each side of engine and chain-driven from crankshaft; sparking plugs centrally situated; gear-type oil pump; full-flow renewable element oil filter; sump capacity 12½ pints (7 litres); sturdy three-bearing balanced crankshaft; aluminium alloy pistons; large-diameter gudgeon pins with burnished finish.

IGNITION : By 12-volt battery and heavy-duty coil; distributor with vacuum and centrifugal advance and retard control; micrometer setting for ignition point; suppressor equipment; Champion 14-mm. sparking plugs.

COOLING SYSTEM : The cooling system is of the pressurised type; water circulation is by centrifugal pump and controlled by thermostat; temperature indicator on instrument panel; cooling system capacity 17¾ pints (10 litres).

FUEL SYSTEM : A 13-gallon (59-litre) tank with a concealed filler cap with quick release is provided; the fuel is fed to twin S.U. automatic adjustable jet carburettors by a rear-mounted S.U. electric fuel pump. Mixture control on control panel for cold running. Large air cleaner and silencer.

CLUTCH AND GEARBOX : Borg and Beck single-plate dry clutch and four-speed gearbox with synchromesh engagement on second, third and fourth gears; short gear lever conveniently placed at side of car with remote control; overall gear ratios: first 13.59, second 8.446, third 5.88, top 4.1, reverse 18.42.

TRANSMISSION : Hardy Spicer tubular propeller shaft with needle-type universal joints.

REAR AXLE : Semi-floating with final drive by hypoid gears, giving long life and silent operation. Axle controlled by two sturdy rubber-mounted torque arms and transverse anti-sway bar.

SUSPENSION : Riley "Torsionic" independent front suspension with torsion bar springing controlled by telescopic hydraulic dampers. Rear suspension is by long coil springs and is controlled by concentrically mounted hydraulic dampers.

BRAKES : Servo-assisted Girling hydraulic fully compensated brakes operate in 12-in. (30-cm.) drums on all four wheels from the foot pedal. The hand brake operates on the rear shoes from a pistol-grip handle located under the fascia board through cable and rod mechanism. Individual adjustment is provided on the brake backplate which simultaneously adjusts the hand brakes.

FRAME : The frame of the Riley Pathfinder is of exceptionally rigid box construction and is designed to give maximum stiffness with minimum weight.

STEERING GEAR : A cam-type steering gearbox is directly connected to the steering arms on the steering swivel pins by a track-rod with ball-jointed tie-rod extensions, giving exceptionally precise steering. A two-spoke steering wheel with semicircular horn ring ensures clear vision.

ELECTRICAL EQUIPMENT : 12-volt positive earth system and 63-amp./hr. battery. Heavy-duty dynamo with constant voltage control. Double dipping headlamps with pre-focused twin-filament bulbs and block lenses; hand-operated headlamp dipping switch, headlamp main beam warning light, sidelamps, twin tail- and stop-lamps, twin reverse lamps with automatic switch, number-plate lamp, two fog lamps, map-reading lamp, non-glare instrument panel illumination; ignition warning lamp; dual-arm, self-parking windshield wipers; twin windtone horns; trafficators or flashing direction indicator equipment according to market; two roof lamps with individual switches and door-operated switches.

INSTRUMENTS : All grouped in front of driver, including large speedometer with total and trip recorders; revolution indicator; ammeter; oil pressure gauge; fuel gauge and radiator temperature indicator.

CONTROLS : All controls are conveniently grouped in front of the driver and include starter switch; ignition switch; mixture control; fog lamp switch; panel lamp switch; wiper switch; and two-position lamp switch. The self-cancelling direction indicator switch and horn switch are in the centre of the steering wheel. Map-reading lamp switch above glove box.

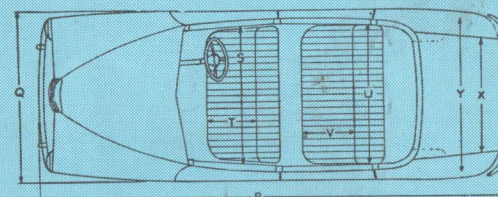
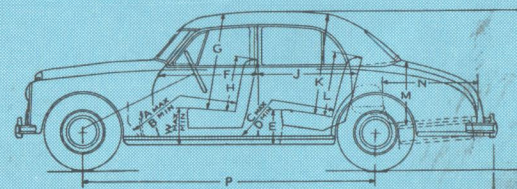
BODY : All-steel construction with turret-type top, giving exceptional strength. Bucket-type or bench-type adjustable front seats to choice, three-place rear seat with folding centre arm-rest; arm-rests on rear doors also act as door pulls. Ring-type door pulls on front doors. Triplex safety glass throughout, four winding windows. Swivelling ventilation window on front doors. One-piece curved windshield and large curved rear light. Inbuilt windshield washing equipment. Heating, ventilating and demisting equipment with fresh-air intake on scuttle. 11 cu. ft. (.3 cu. m.) luggage container with counterbalanced lid; two-position non-glare rear mirror; two sun visors; polished wood facia and garnish rails; large glove box on passenger's side; door check straps with automatic catch to hold doors in open position when desired; spare wheel carried under boot floor on special carrier. Full-width bumpers with over-riders front and rear. Provision has been made for fitting H.M.V. car radio.

WHEELS : Disc-type wheels with 6.00-16 tyres, five-stud fixing, and large plated hub discs.

COLOURS : Finished in:—Black with Maroon, Green or Biscuit upholstery. Maroon with Maroon or Biscuit upholstery. Green with Green or Biscuit upholstery. Blue with Grey upholstery. Grey with Maroon or Grey upholstery.

DIMENSIONS : Wheelbase 9 ft. 5½ in. (2.88 m.); Track 4 ft. 6½ in. (1.38 m.); Ground clearance 7 in. (17.7 cm.); Overall height 5 ft. 0 in. (1.52 m.); Overall width 5 ft. 7 in. (1.70 m.); Overall length 15 ft. 3 in. (4.65 m.).

D I M E N S I O N S



A 46 in. 117 cm.	B 41 in. 104 cm.	C 43 in. 109 cm.
D 40 in. 101 cm.	E 13 in. 33 cm.	F 35 in. 89 cm.
G 37 in. 94 cm.	H 22 in. 56 cm.	J 33½ in. 85 cm.
K 36 in. 91 cm.	L 25 in. 63 cm.	M 19 in. 48 cm.
N 32 in. 81 cm.	O 60 in. 152 cm.	P 113½ in. 288 cm.
Q 67 in. 170 cm.	R 183 in. 465 cm.	S 55½ in. 141 cm.
T 20 in. 51 cm.	U 55½ in. 141 cm.	V 20 in. 51 cm.
W 8 in. 20 cm.	X 41 in. 104 cm.	Y 43 in. 109 cm.

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