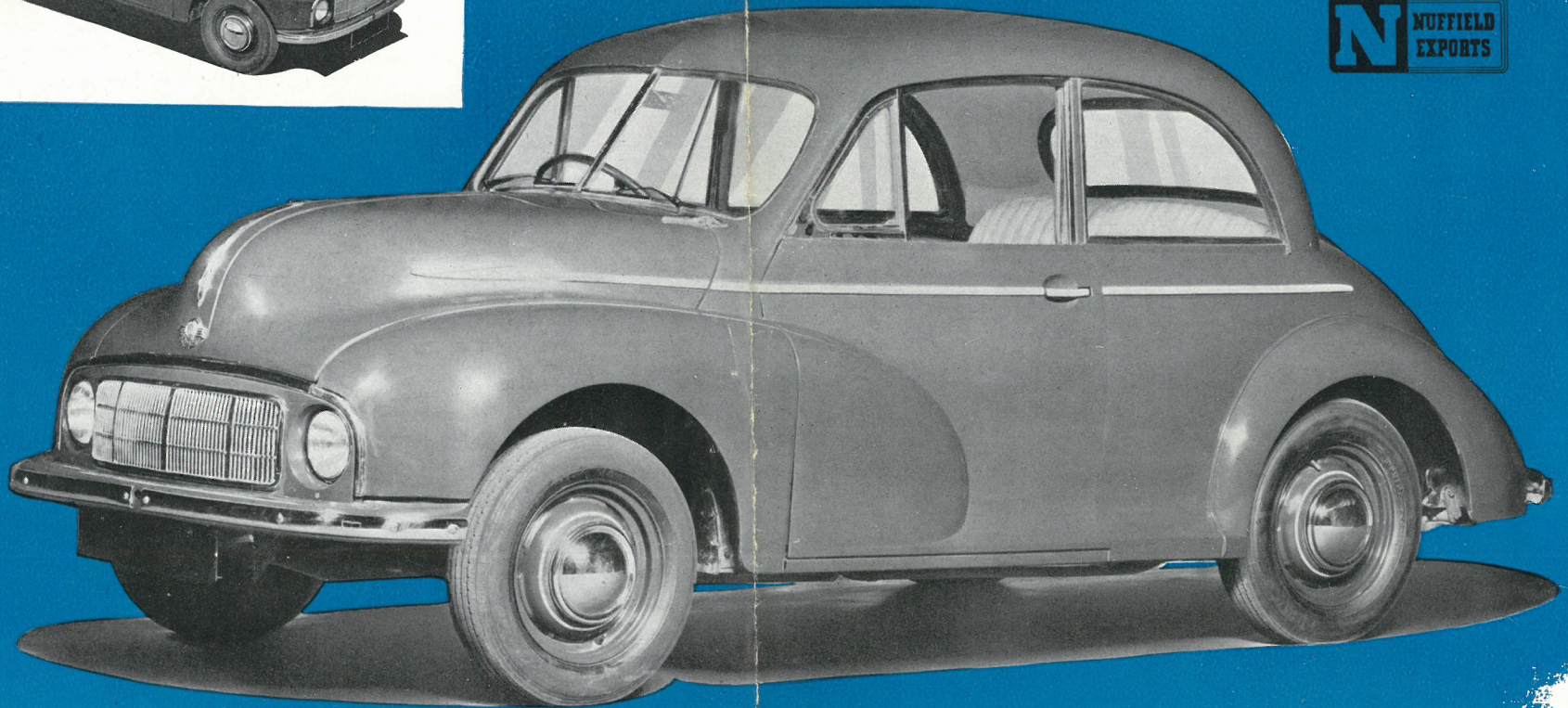
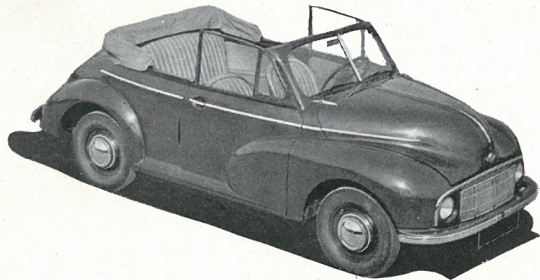


Announcing . . . the
world's supreme small car



PRELIMINARY SPECIFICATION

ENGINE : Bore and Stroke : 57 mm.×90 mm. (2.24 in. ×3.54 in.).

Capacity : 918.636 c.c.

This is a four-cylinder, side-valve engine with an excellent power-to-weight ratio. The crankcase, cylinder block and detachable head are of cast iron.

Accessibility of the engine is marked and the bonded rubber engine mountings insulate the structure from any vibration. The balanced crankshaft runs in three large main bearings, steel-backed with white metal liners. Similar liners are used for connecting-rod big-ends, and the steel con-rods and split-skirt, tin-coated pistons are carefully balanced to fine limits for long wear, as in aero engine practice. Three rings are fitted to each piston—two compression and one oil control.

The three-bearing camshaft is located high up in the crankcase and is driven by silent, long life duplex roller chain. Large diameter, hollow chill-cast tappets are used, adjustment being by screws and locknuts. A wide diameter breather pipe ventilates the crankcase, prevents condensation and discharges fumes well below body level. Pressure lubrication is by submerged spur gear-type pump driven from camshaft by helical gears, an upward extension of the vertical shaft being employed to drive the distributor. A relief valve maintains correct oil pressure.

Cooling is by thermo-syphon and fan, and water passages are carefully proportioned to ensure even cooling. An S.U. automatic piston-type carburetter is used and a ratchet mixture control is facia-mounted for easy starting with automatic throttle control for slow running when cold. An air silencer is fitted to the intake, and fuel feed is by S.U. automatic electric pump.

CLUTCH : Single 6½ in. diameter dry plate, with cushion hub and single point adjustments, providing smooth engagement with light action and minimum attention.

GEARBOX : Four speed with synchromesh engagement for second, third and fourth gears, which are helical-cut for silence. An accessible oil filler and dipstick level indicator are fitted and gear ratios are : First, 3.95 ; second, 2.3 ; third, 1.54 ; fourth, 1.0 and reverse 3.95.

TRANSMISSION : Hardy Spicer type tubular propeller shaft, with needle-type universal joints at each end.

REAR AXLE : Semi-floating, hypoid type for silence and to give reduced tunnel height.

FOUR-WHEEL BRAKES : Fully compensated internal expanding brakes. The foot brakes are hydraulically operated on the Lockheed system with double-leading-edge shoes in front in 7 in. diameter cast-iron brake-drums for complete efficiency, and certainty of action under all conditions. The hand brake is cable operated through a hand lever accessibly mounted between front seats and it is easily adjustable from inside the car.

SUSPENSION : Independent front, comprising torsion bars disposed fore and aft alongside frame members and splined into "wishbones" which are attached to lower end of king-pins. The top end of each king-pin is attached to the arm of the shock absorber. The trim of the car is adjustable by means of a vernier arrangement on the torsion bar splines. Rear suspension is by semi-elliptic springs, with oil-less rubber bushes, front and rear. Hydraulic double-acting shock absorbers are fitted at front and rear.

STEERING : A 16½ in. (42 cm.) diameter spring arm steering wheel with rack and pinion steering with tie rods to separate arms on each front king-pin. There are approximately 1¼ turns of the steering wheel to full lock.

WHEELS : Five 4-stud detachable wheels with large diameter, plated hub embellishers and Dunlop large section (500×14 in.) tyres. Spare wheel, housed under floor of luggage trunk, accessible without disturbing luggage, although enclosed by main trunk lid. Jacking points beneath each wheel arch.

BODY : All-steel chassis-less structure with turret-top roof and one-piece floor pressing. All enclosed members and joints treated for rust prevention. Underside of body panels and floor coated with sound-deadening material after

priming. Chromium plated window frames form upper half of each door. Outside door handles flush fitting, pull-out type, with remote control inside handles. "V" wind-screen, side windows and curved rear window of Triplex safety glass. Two doors with easy-wind windows and forward ventilating section ; fixed rear quarter lights. "Alligator" bonnet with internal locking control and externally operated safety catch. Handsome metal facia with grouped instruments, hinged glove box, and deep, full-width facia tray. Two front bucket seats, hinged at front to tip forward, giving easy access to rear of body. Driving seat adjustable fore and aft with automatic height adjustment in one movement. Rear seat comfortably sprung and squab hinged to fold forward, giving access to rear luggage trunk and forming flat floor extension to trunk when no rear passengers carried. Over 7 cu. ft. capacity luggage trunk, accessible through top-hinged exterior trunk lid or from interior. Prefabricated roof trim, in three pieces, all cloth covered. Covered door-pulls, tough Vynide cushions and squabs, with fluted finish and deep interior spring cases. Export models have leather-faced front seats and squabs. Detachable thick pile carpet on floor, fixed with press fasteners and matching colour of trim.

PETROL TANK : 5-gallon, rear-mounted tank with electrically operated gauge on facia. Exterior filler with anti-surgling device, large orifice and quick-release cap.

COLOURS : Romain green, platinum grey, or black. Wings and body finished same colour ; tastefully appointed interior trim in restful neutral shades.

ELECTRICAL SYSTEM : Includes a 12-volt 38-amp. battery mounted on the dash ; sealed-beam headlamps, flush with radiator grille with pilot bulbs for parking. Combined stop- and tail-lamp, and matching reflector fitted in tail of rear wings. Number plate illuminated by lamp on trunk lid ; windscreen wiper with single blade (home models), twin blades (export models) and reserve motor with rack drive and switch control. Trafficators with hand switch and warning light.

