

The
NUFFIELD
ORGANIZATION

**SALESMAN'S
REFERENCE**

MORRIS
WOLSELEY
RILEY
M.G.

1953



RILEY CARS

SALES FEATURES

The outstanding features of Riley Cars are here enumerated to provide a ready reference:—

- (1) **High Performance Engines.**
The 1½ litre engine develops 55 b.h.p. at 4,500 r.p.m. and within its specifications, specially tuned, has won every worthwhile race and achieved brilliant success in Monte Carlo Rallies, Alpine Trials, and strenuous competitions all over Europe.
The improved 2½ litre power unit gives an output of 100 h.p. on the brake while the weight of the complete car is only 4 cwt. (200 kg.) more than the 1½ litre, equivalent to an increase of 16.6 per cent., compared with the increase in the power output of 81.8 per cent. Now fitted with combined water impeller and fan.
- (2) **"Torsionic" Independent Front Suspension.**
Welded steel struts and king-pins over 12 in. long (30 cm.) provide an extremely strong and rigid structure possessing long life.
Damping is by hydraulic telescopic dampers of generous size.
Springing is by long torsion bars parallel to the frame and the suspension combines exceptional steering precision with an outstanding degree of stability and ride comfort.
Rear suspension is by semi-elliptic springs with telescopic dampers with anti-sway mountings.
- (3) **Body design.**
The perforated metal roof, covered with fabric, eliminates drumming and reduces weight.
The boot provides spacious luggage accommodation and houses the spare wheel in a separate compartment.
Inter-axle seating is provided for maximum riding comfort while still providing generous rear seat accommodation.
Front seats are of the individual type with a wide range of adjustment.
Improved interior styling.
- (4) **Wire-spoked Telescopic Steering Wheel.**
The wheel is of the spring type and readily adjustable for position to ensure the greatest driving comfort. It incorporates the horn button and trafficator switch.
- (5) **Exceptionally small turning circle.**
This very desirable feature has been obtained by careful chassis design.
- (6) **Wide field of vision with "Y" windscreen.**
- (7) **Remote control gear change by conveniently positioned control lever.**
- (8) **All controls are light and smooth in action.**
- (9) **Needle bearing propeller shaft transmission with intermediate shaft.**
- (10) **Hypoid rear axle giving silence and long life.**
- (11) **Twin fillers to petrol tank.**
- (12) **A revolution indicator is available as an extra.**
- (13) **Full-width front bumper. Twin-bar rear bumper.**
- (14) **Radio and heater equipment optional.**

M.G. CARS AND PRICES

	List Price	Purchase Tax	Total
MIDGET			
(Series TD)			
Two-seater Tourer ...	£530 0s. 0d.	£295 18s. 11d.	£825 18s. 11d.
1½ LITRE			
(Series YB)			
Saloon	£635 0s. 0d.	£354 5s. 6d.	£989 5s. 6d.
Extra for supplying and fitting 4100 Radio on TD Midget £25 18s. 0d. (Purchase Tax £14 7s. 9d. extra)			
Extra for supplying and fitting 4200 "A" Radio on TD Midget £30 0s. 6d. (Purchase Tax £16 13s. 7d. extra)			
Extra for supplying and fitting 4200 "A" Radio on 1½ Litre £30 3s. 6d. (Purchase Tax £16 15s. 3d. extra)			
Extra for supplying and fitting 4202 "A" Radio on 1½ Litre £29 13s. 6d. (Purchase Tax £16 9s. 9d. extra)			

All Prices are ex Works.

Treasury Tax on all models £10 per annum.
(Until 1st January, 1953.)

COLOURS AND UPHOLSTERY

Model	Body Colours	Upholstery
MIDGET (Series TD)	Black	Red
	Black	Green
	M.G. Red	Red
	Woodland Green	Green
	Ivory	Red
	Silver Streak Grey	Green
1½ LITRE (Series YB) SALOON		Red
	Body Colours	
	Black	Maroon
	Black	Beige
	Black	Green
	Autumn Red	Maroon
Autumn Red	Beige	
Woodland Green	Green	
Woodland Green	Beige	
Silver Streak Grey	Red	

M.G. CARS

SEATING DIMENSIONS

	MIDGET (Series TD) TWO-SEATER TOURER	1½ LITRE (Series YB) SALOON
Width of front doors	25 in. (63.5 cm.)	27 in. (68.6 cm.)
Width of rear doors	—	23½ in. (60 cm.)
Width of quarter-light	—	12½ in. (32 cm.)
Height of door lights	—	12½ in. (front) (32 cm.) 13 in. (rear) (33 cm.)
Floor to roof	39 in. (99 cm.) (Hood erected)	44 in. (1-12 m.)
Front seat cushion to roof	35 in. (88 cm.)	36 in. (91 cm.)
Rear seat cushion to roof	—	35 in. (89 cm.)
Width over front seats at elbow	45 in. (1-14 m.)	45 in. (1-14 m.)
Width over rear seats at elbow	—	45½ in. (1-155 m.)
Width over front seats at top of cushion	45 in. (114 cm.)	19 in. (48 cm.)
Height of front cushion	7 in. (18 cm.)	10 in. (25 cm.)
Height of rear cushion... ..	—	12 in. (30 cm.)
Depth of front cushion	19 in. (48 cm.)	18 in. (46 cm.)
Depth of rear cushion	—	19 in. (48 cm.)
Height of front squab	23 in. (58 cm.)	21 in. (53 cm.)
Height of rear squab	—	23 in. (58 cm.)
Leg room (front)	{ Max. 44 in. (112 cm.) Min. 39 in. (99 cm.)	45 in. (1-14 m.) 40 in. (101 cm.)
Leg room (rear)	{ Max. — Min. —	37 in. (94 cm.) 34 in. (86 cm.)
Luggage container (width)	33 in. (84 cm.)	28¾ in. (72 cm.)
Luggage container (depth)	{ Max. 20 in. (51 cm.) Min. 16½ in. (42 cm.)	28 in. (71 cm.) 28 in. (71 cm.)
Luggage container (height)	13½ in. (34 cm.)	12¾ in. (32 cm.)
Overall height	4 ft. 6 in. (1-37 m.)	4 ft. 9 in. (1-45 m.)
Overall length	12 ft. 1 in. (3-673 m.)	13 ft. 8 in. (4-16 m.)
Overall width	4 ft. 10½ in. (1-489 m.)	4 ft. 11 in. (1-49 m.)
Wheelbase	7 ft. 10 in. (2-387 m.)	8 ft. 3 in. (2-515 m.)
Unladen weight of car	18½ cwt. (938 kg.)	20½ cwt. (1054 kg.)

M.G. CARS

CHASSIS DETAILS

	MIDGET (Series TD)	1½ LITRE (Series YB)
Wheelbase	7 ft. 10 in. (2-387 m.)	8 ft. 3 in. (2-514 m.)
Track	Front 3ft. 11½ in. (1-203 m.) Rear 4 ft. 2 in. (1-27 m.)	Front 3 ft. 11½ in. (1-203 m.) Rear 4 ft. 2 in. (1-27 m.)
Ground clearance	6 in. (15 cm.)	6 in. (15 cm.)
Position	Rear spring bolts	Rear check strap bolts
Gear control	Central remote control	Central lever (reverse stop)
Gear ratios : 1st	17-938—1	17-938—1
2nd	10-609—1	10-609—1
3rd	7-098—1	7-098—1
4th	5-125—1	5-125—1
Reverse... ..	17-938—1	17-938—1
Steering gear	Direct acting rack and pinion	Direct acting rack and pinion
Wheel size	4-00 x 15	4-00 x 15
Tyre size... ..	5-50—15	5-50—15
Tyre pressures (full load) (front)	18 lb./sq. in. (1-27 kg./cm. ²)	22 lb./sq. in. (1-55 kg./cm. ²)
(rear)	18 lb./sq. in. (1-27 kg./cm. ²)	24 lb./sq. in. (1-69 kg./cm. ²)
Petrol feed	S.U. electric pump	S.U. electric pump
Four-wheel brake actuation (front)	Lockheed hydraulic	Lockheed hydraulic
(rear)	Lockheed hydraulic	Lockheed hydraulic
Hand brake actuation	Cable on rear shoes	Cable on rear shoes
Brake-drum diameter	9 in. (22-86 cm.)	9 in. (22-86 cm.)
Ignition	Fully automatic	Fully automatic
Final drive	Hypoid	Hypoid
Front springs	Independent coil	Independent coil
Rear springs	Semi-elliptic	Semi-elliptic
Shock absorbers	Luvax-Girling hydraulic	Luvax-Girling hydraulic
Torque taken by	Springs	Springs
Drive taken by	Springs	Springs
Turning circle (R/H)	31 ft. 3 in. (9-525 m.)	33 ft. 6 in. (10-21 m.)
(L/H)	31 ft. 3 in. (9-525 m.)	33 ft. 6 in. (10-21 m.)
Petrol tank capacity	12½ gals. (56 litres) (Reserve 2½ gals.) (11 litres)	8 gals. (36 litres)
Rear axle oil capacity	2½ pints (1-28 litres)	2½ pints (1-28 litres)
Water capacity (total)	14 pints (7-95 litres)	13½ pints (7-7 litres)

M.G. CARS

ENGINE UNIT DETAILS

	MIDGET (Series TD)	1½ LITRE (Series YB)
Number of cylinders	4	4
Bore	2.62 in. (66.5 mm.)	2.62 in. (66.5 mm.)
Stroke	3.54 in. (90 mm.)	3.54 in. (90 mm.)
Cubic capacity	76.28 cu. in. (1250 c.c.)	76.28 cu. in. (1250 c.c.)
Compression ratio	7.25 to 1	7.2/7.4 to 1
Valve position	O.H.V.	O.H.V.
Valve operation	Push-rod	Push-rod
Valve clearance019 in. (.48 mm.) hot	.019 in. (.48 mm.) hot
Firing order	1, 3, 4, 2	1, 3, 4, 2
Ignition	Coil	Coil
Gearbox ratios: 1st	3.5 to 1	3.5 to 1
2nd	2.07 to 1	2.07 to 1
3rd	(synchromesh) 1.385 to 1	(synchromesh) 1.385 to 1
4th	(synchromesh) 1 to 1	(synchromesh) 1 to 1
Reverse	(synchromesh) 3.5 to 1	(synchromesh) 3.5 to 1
Clutch	Borg & Beck single plate dry 8 in. (20.3 cm.)	Borg & Beck single plate dry 8 in. (20.3 cm.)
Oil pump by-pass set to	70 lb./sq. in. (4.5 kg./cm. ²)	60 lb./sq. in. (4.2 kg./cm. ²)
Engine sump capacity	10½ pints (5.96 litres)	10½ pints (5.96 litres)
Gearbox capacity	1½ pints (.7 litre)	1½ pints (.7 litre)
Sparking plugs	Champion L.10.5 14 mm.	Champion L.10.5 14 mm.
Crankshaft bearings (number)	3	3
Crankshaft bearings (type)	Shimless steel-backed white metal	Shimless steel-backed white metal
Big-end bearings (type)	Shimless steel-backed white metal	Shimless steel-backed white metal
Piston type	Controlled expansion aluminium alloy	Controlled expansion aluminium alloy
Piston rings (number)	2 compression, 1 oil control	2 compression, 1 oil control
Power output (peak)	54.4 b.h.p. at 5,200 r.p.m. Duplex chain	46 b.h.p. at 4,800 r.p.m. Duplex chain
Camshaft drive	Oil bath	A.C.-Sphinx dry 1527131
Air cleaner	Home Oil bath	Export A.C.-Sphinx oil bath E/AC 2536 Single S.U.
Carburettor	Twin S.U.	

M.G. CARS

EQUIPMENT

	MIDGET (Series TD) TWO-SEATER TOURER	1½ LITRE (Series YB) SALOON
Upholstery	Leather	Leather
Body trimming	Leathercloth	Leathercloth
Front seats	Single squab	Bucket
Rear blind with remote control	—	Yes
Window louvres	—	—
Ventilating windows (draughtless)	—	—
Door locks (private)	—	Yes
Dash ventilator	—	—
Heater	—	—
Radio	Radiomobile	Radiomobile
Thermostatic water control	optio Yes	optional Yes
Door pulls	—	—
Pillar pull cords	—	Yes
Clock	Yes (electric)	Yes (electric)
Windscreen wiper	Twin-arm electric	electric 4 winding Triplex
Windows	—	—
Windscreen	Fold flat Triplex	Opening centre control Triplex
Driving mirror	External	Interior
Bumpers	Front and rear	Front and rear
Electrical equipment	12-volt pos. earth return	12-volt pos. earth return
Compensated voltage control	Yes	Yes
Stop-light	Yes	Yes
Fog-lamp	Optional extra	Yes
Dipping headlamps	Yes (Double)	Yes (Double)
Headlamp beam warning light	Yes	No
Roof lamp	—	Yes
Luggage container	Compartment behind rear squab	In boot
Spare wheel position	Rear	Spare wheel compartment below boot
Sun visor	—	Driver and passenger
Trafficators	—	Yes
Steering column	Fixed rake with telescopic adjustment	Fixed rake with telescopic adjustment

M.G. CARS

SALES FEATURES

The salient features of the M.G. cars are listed here to give a guide to selling points, many of which are not present in competitive makes of cars :—

Four-cylinder, overhead-valve engines ; force feed lubrication by gear-type pump with 100 per cent. filtration by renewable element filters. Air silencers and cleaners. Thermostatically controlled cooling. Thermometer on Midget.

Three-bearing crankshaft. Flexible engine mountings. Engine control link.

Boxed side-members with tubular cross-bracings. Boxed member for independent front suspension.

Independent front suspension of the wishbone type, incorporating coil springing. Inner points mounted on flexing rubber bushes.

Direct acting rack and pinion type steering.

Rear suspension by means of semi-elliptic laminated springs, interleaved with rubber ; mounted on rubber bushes and controlled by hydraulic dampers.

Hypoid rear axle for silence and long life.

Ventilated disc detachable wheels.

Lockheed hydraulic brakes on all four wheels on all models.

Compensated voltage control to suit load and condition of battery used on all models.

Adjustable length steering column and spring-spoked steering wheels on all models.

Separate speedometer with headlamp beam warning light, revolution counter and combined water temperature and oil pressure gauge on Midget. Combined ammeter, fuel and oil gauges and combined speedometer and electric clock on 1½ litre.

Fuel warning light on Midget.

Commodious coachwork on Midgets with special compartment for all-weather equipment.

Saloon features include :—Sliding roof, windscreen provided with single central winding adjustment, Triplex glass, front bucket seats with sliding adjustment, and arm-rests at the rear, spacious glove locker, with lid, in fascia board, pockets on all doors, time-controlled trafficator switch, etc.

Girling or Armstrong double-acting piston-type hydraulic dampers fitted on all models.

In-built jacking system hydraulically operated on 1½ litre.

Spacious rear luggage boot on the 1½ litre and luggage space on Midget.

Very accessible tool accommodation and ample tool equipment on all models.

NUFFIELD GUARANTEE

1. For a period of SIX MONTHS from the date on which a new Morris Car or Chassis is delivered to the first owner-user thereof Morris Motors Limited will exchange or repair any part or parts thereof which needs or need replacement or repair by reason of defective workmanship or defective material.

The Company will not be responsible for any expense which the purchaser may incur in removing or having removed or in replacing or having replaced any part or parts to be sent for inspection or in fitting or having fitted any new parts supplied in lieu thereof.

2. No claim for exchange or repair can be considered hereunder unless the person claiming

- (a) Immediately upon discovery of the alleged defect, returns the part or parts complained of to the Company's Works carriage paid.
- (b) Sends therewith particulars of the Car or Chassis Number and Engine Number of the Car or Chassis in question, as shown on the Manufacturer's identification plate.
- (c) Sends also full particulars of the claim and of the reasons therefor, stating in such particulars the date of the purchase and the name and address of the person or firm from whom the Car or Chassis was bought.
- (d) Refers to this Guarantee.

3. This Guarantee shall not apply to

- (a) Any accessories or proprietary fittings whatsoever.
- (b) Any Car or Chassis used
 - (i) As a Hackney Carriage.
 - (ii) For hiring out.
 - (iii) For any purpose other than the private or genuine commercial use of the owner-user.
 - (iv) For racing and/or record attempts.
- (c) Any defective part or parts which in the opinion of Morris Motors Limited has or have been injured by wear and tear or by any form whatsoever of improper use of or from any alteration whatsoever to the Car or Chassis.
- (d) Any second-hand Car or part or parts thereof.
- (e) Anything whatsoever not both manufactured and sold by the Company.
- (f) Any part or parts of a Chassis to which a body which in the opinion of the Company is unsuitable has been fitted.
- (g) Any Vehicle in or to which any part not manufactured or sold by Morris Motors Limited has been affixed.

4. The liability of Morris Motors Limited is limited to exchange or repair under Clause 1 hereof. Every form of liability for every form of consequential loss or damage is hereby expressly excluded.

5. This Guarantee is given in lieu of and excludes every condition or warranty, whether statutory or otherwise, whatsoever not herein expressly set out.

The Guarantee on Vans and Trucks is in similar terms.

CONDITIONS OF SALE

All new Cars and Chassis and parts thereof manufactured by Morris Motors Limited (hereinafter referred to as "the Company") are sold subject to but with the benefit of the Conditions of Sale hereinafter set forth.

1. **GUARANTEE.** The Company's Guarantee shall be deemed to be incorporated in these Conditions: to the intent, in the case of a sale by a Distributor, Area Dealer, Retail Dealer or Registered Trader that he shall pass on the benefit of the Guarantee to his purchaser, who shall be subject to its obligations; but such transfer of the benefit of the Guarantee shall not create any privity of contract between the Company and such purchaser; and every Distributor, Area Dealer, Retail Dealer and Registered Trader contracts as a principal and not as an agent, and has no authority to give any warranty or make any representation or otherwise act on behalf of the Company.

2. **PRICE AND PAYMENT.** Prices quoted are for delivery at the Company's Works at Cowley, Oxford, net cash on delivery. Freightage therefrom to the depot of a Distributor, Area Dealer, Retail Dealer or Registered Trader is extra.

3. **DELIVERY.** Neither the Company nor any Distributor, Area Dealer, Retail Dealer or Registered Trader shall be liable for any delay in delivery on the part of the Company (whatever the cause of such delay), nor for any damage caused thereby.

4. **ALTERATIONS IN PRICE AND CONDITIONS.** The Company's prices and Conditions of Sale may be altered at any time without notice, and all Cars and Chassis and parts thereof are sold subject to the prices and Conditions of Sale ruling at the time of delivery. In the event of increase of price, however, a purchaser may in writing cancel his order within seven days of receiving notice of the increase.

5. **ALTERATIONS IN SPECIFICATION.** The Company's specifications may be altered at any time without notice; and in such event the seller may cancel any order, or goods conforming to the altered specification may be delivered in fulfilment of such order unless, in the case of substantial alterations, the purchaser, in writing, cancels that order within seven days of receiving notice of the intention to deliver in conformity with the altered specification.

6. **SERVICE PARTS.** When ordering service parts it is essential that the identification number thereof, as shown in the Company's Service Parts List, should be given, as well as the Chassis and Engine numbers of the Car for which they are required.

7. **DISTRIBUTORS AND DEALERS.** (a) Every Distributor, Area Dealer, Retail Dealer and Registered Trader shall incorporate these Conditions in any contract he makes with a purchaser, either by reference or by setting them out in extenso in the order form. Where such incorporation is by reference only, the Distributor, Area Dealer, Retail Dealer or Registered Trader shall see that a copy of the Conditions is handed to such purchaser prior to the completion of the contract, and that such purchaser's attention is specifically drawn to them. (b) If any purchaser from a Distributor, Area Dealer, Retail Dealer or Registered Trader shall commit a breach of these Conditions the Distributor, Area Dealer, Retail Dealer or Registered Trader shall, on being required by the Company or his vendor so to do, take such steps as the Company may think fit, whether by instituting legal proceedings or otherwise, in order to enforce these Conditions.

8. **EXHIBITIONS AND COMPETITIONS.** No Car or Chassis or part thereof shall be exhibited at any exhibition or show or permitted to take part in any competition unless the same is held or approved by the Society of Motor Manufacturers & Traders Ltd. Anyone who commits or allows a breach of these Conditions renders himself liable to pay damages not exceeding £250.

9. **GENERAL.** (a) The Company may allocate any order placed direct with it to its authorised Distributor or Area Dealer in the appropriate territory. (b) These Conditions and any Contract to which these Conditions apply shall be construed according to English law.

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