

The
NUFFIELD
ORGANIZATION

**SALESMAN'S
REFERENCE**

MORRIS
WOLSELEY
RILEY
M.G.

EXPORT EDITION

X
NUF



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 new 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.

(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.

(3) **Entirely new 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.

(4) **Three-arm 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 opening "V" windscreen.**

(7) **Remote control gear change by conveniently positioned control lever.**

(8) **All controls are light and smooth in action.**

(9) **Torque-tube transmission.**

(10) **Twin fillers to petrol tank.**

COLOURS AND UPHOLSTERY

<i>Model</i>	<i>Body Colours</i>	<i>Leather Upholstery</i>	<i>Head Lining (Soloons)</i>
MIDGET (Series "TC") and 1½ LITRE (Series "Y") TOURER	Black	Regency Red	Hoods and all-weather equipment in Biscuit
	Black	Vellum Beige	
	Black	Shires Green	
	M.G. Red	Regency Red	
	M.G. Red	Vellum Beige	
	Shires Green	Shires Green	
	Shires Green	Vellum Beige	
	Sequoia Cream	Regency Red	
	Sequoia Cream	Shires Green	
	Clipper Blue	Vellum Beige	

<i>Model</i>	<i>Body Colours</i>	<i>Leather Upholstery</i>	<i>Head Lining</i>
1½ LITRE (Series "Y") SALOON	Black	Regency Red	Fawn
	Black	Vellum Beige	Fawn
	Black	Dark Green	Fawn
	M.G. Maroon	Regency Red	Fawn
	M.G. Maroon	Vellum Beige	Fawn
	Elizabeth Grey/ Shires Green	Dark Green	Fawn
	Elizabeth Grey/ Shires Green	Vellum Beige	Fawn
	Elizabeth Grey/ Marcham Grey	Regency Red	Fawn

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SEATING DIMENSIONS

	MIDGET (Series "TC") TOURER	1½ LITRE (Series "Y") TOURER	1½ LITRE (Series "Y") SALOON
Width of front doors	25 in. (63.5 cm.)	33 in. (84 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	—	—	3 ft. 8 in. (1.12 m.)
Front seat cushion to roof	36½ in. (92.7 cm.)	37 in. (94 cm.)	36 in. (91 cm.)
Rear seat cushion to roof	—	36 in. (91 cm.)	35 in. (89 cm.)
Width over front seats at elbow... ..	3 ft. 8 in. (1.12 m.)	4 ft. 1 in. (1.24 m.)	3 ft. 9 in. (1.14 m.)
Width over rear seats at elbow... ..	—	3 ft. 5 in. (1.04 m.)	3 ft. 9½ in. (1.155 m.)
Width over front seats at top of cushion	18 in. (46 cm.)	19 in. (48 cm.)	19 in. (48 cm.)
Height of front cushion	7½ in. (19 cm.)	10 in. (25 cm.)	10 in. (25 cm.)
Height of rear cushion	—	12 in. (30 cm.)	12 in. (30 cm.)
Depth of front cushion	20 in. (51 cm.)	18 in. (46 cm.)	18 in. (46 cm.)
Depth of rear cushion	—	18 in. (46 cm.)	19 in. (48 cm.)
Height of front squab	23 in. (58 cm.)	21 in. (53 cm.)	21 in. (53 cm.)
Height of rear squab	—	23 in. (58 cm.)	23 in. (58 cm.)
Leg room (front) {	Max. 30½ in. (77 cm.) Min. 26½ in. (67 cm.)	27 in. (68 cm.) 22 in. (56 cm.)	27 in. (68 cm.) 22 in. (56 cm.)
Leg room (rear) {	Max. — Min. —	19 in. (48 cm.) 15 in. (38 cm.)	19 in. (48 cm.) 15 in. (38 cm.)
Luggage container (width)	33 in. (84 cm.)	28½ in. (72 cm.)	28½ in. (72 cm.)
Luggage container (depth) {	Max. 20 in. (51 cm.) Min. 16½ in. (42 cm.)	26½ in. (67 cm.) 26½ in. (67 cm.)	28 in. (71 cm.) 28 in. (71 cm.)
Luggage container (height)	13½ in. (34 cm.)	12½ in. (32 cm.)	12½ in. (32 cm.)
Overall height	4 ft. 5 in. (1.35 m.)	4 ft. 10½ in. (1.48 m.)	4 ft. 10 in. (1.47 m.)
Overall length	11 ft. 7½ in. (3.54 m.)	13 ft. 8 in. (4.17 m.)	13 ft. 5 in. (4.09 m.)
Overall width	4 ft. 8 in. (1.42 m.)	4 ft. 11 in. (1.49 m.)	4 ft. 11 in. (1.49 m.)
Wheelbase	7 ft. 10 in. (2.387 m.)	8 ft. 3 in. (2.515 m.)	8 ft. 3 in. (2.515 m.)
Unladen weight of car (in cwt. and qrs.)	15¼ cwt. (789 kg.)	18½ cwt. (958 kg.)	19½ cwt. (991 kg.)

M.G. CARS

CHASSIS DETAILS

	MIDGET (Series "TC")	1½ LITRE (Series "Y")
Wheelbase	7 ft. 10 in. (2.387 m.)	8 ft. 3 in. (2.514 m.)
Track	3 ft. 9 in. (1.14 m.)	4 ft. 2 in. (rear) (1.27 m.) 3 ft. 1½ in. (front) (1.2 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	17.32—1	18.0—1
2nd	10.0—1	10.646—1
3rd	6.93—1	7.121—1
4th	5.125—1	5.143—1
Reverse	17.32—1	18.0—1
Steering gear	Bishop cam	Direct acting rack and pinion
Wheel size... ..	2.50 × 19	3.00 × 16
Tyre size	4.50—19	5.25—16
Tyre pressures (full load) (front)	24 lb./sq. in. (1.7 kg./cm. ²)	23 lb./sq. in. (1.6 kg./cm. ²)
(rear)	26 lb./sq. in. (1.8 kg./cm. ²)	25 lb./sq. in. (1.76 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	Spiral bevel	Spiral bevel
Front springs	Semi-elliptic	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.)	37 ft. (11.278 m.)	35 ft. (10.668 m.)
(L.H.)	37 ft. (11.278 m.)	35 ft. (10.668 m.)
Petrol tank capacity	13½ gals. (61 litres)	8 gals. (36 litres)
	(Reserve 2½ gals.) (11 litres)	
Rear axle oil capacity	2 pints (1.14 litres)	1½ pints (.85 litres)
Water capacity (total)	14 pints (7.9 litres)	13½ pints (7.7 litres)

M.G. CARS

ENGINE UNIT DETAILS

	MIDGET (Series "TC")	1½ LITRE (Series "Y")
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. (1,250 c.c.)	76.28 cu. in. (1,250 c.c.)
Compression ratio ...	7.2/7.4 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 ...	3.38 to 1	3.5 to 1
2nd ...	1.95 to 1	2.07 to 1
3rd ...	(synchromesh) 1.35 to 1	(synchromesh) 1.385 to 1
4th ...	(synchromesh) 1 to 1	(synchromesh) 1 to 1
Reverse ...	3.38 to 1	3.5 to 1
Clutch ...	Borg & Beck single plate dry 7½ in. (18.41 cm.)	Borg & Beck single plate dry 7½ in. (18.41 cm.)
Oil pump by-pass set to ...	60 lb./sq. in. (4.2 kg. per sq. cm.)	60 lb./sq. in. (4.2 kg. per sq. cm.)
Engine sump capacity ...	9 pints (5 litres)	9 pints (5 litres)
Gearbox capacity ...	1½ pints (.85 litres)	1½ pints (.7 litres)
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 ...	A.C. Sphinx dry 1573577	A.C. Sphinx dry 1527131
Air cleaner ...	Home A.C. Sphinx dry 1573577	A.C. Sphinx oilbath E/AC 2536 Single S.U.
†Carburettor ...	Twin S.U.	

* For Series "Y" Tourer b.h.p. is as for "TC" Midget. † Tourer has twin S.U.s.

M.G. CARS

EQUIPMENT

	MIDGET (Series "TC") Two-seater	1½ LITRE (Series "Y") Tourer	1½ LITRE (Series "Y") Saloon
Upholstery ...	Leather	Leather	Leather
Body trimming ...	Leather/cloth	Leather/cloth	Leather/cloth
Front seats ...	Single squab	Bucket	Bucket
Rear blind with remote control	—	—	Yes
Window louvres ...	—	—	—
Ventilating windows (draughtless) ...	—	—	—
Door locks (private) ...	—	—	Yes
Dash ventilator ...	—	—	—
Heater ...	—	—	—
Radio ...	Radiomobile optional	Radiomobile optional	Radiomobile optional
Thermostatic water control ...	Yes	Yes	Yes
Door pulls ...	—	—	—
Fillar pull cords ...	—	—	Yes
Clock ...	Yes (electric)	Yes (electric)	Yes (electric)
Windscreen wiper ...	Twin-arm electric	Twin-arm electric	Twin-arm electric
Windows ...	—	—	4 winding
Windscreen ...	Fold flat Triplex	Fold flat Triplex	Triplex Opening centre control
Driving mirror ...	External	External	Triplex
Bumpers ...	—	Front and rear	Interior
Electrical equipment ...	12-volt earth return	12-volt earth return	12-volt earth return
Compensated voltage control	Yes	Yes	Yes
Stop-light ...	Yes	Yes	Yes
Fore-lamp ...	Yes	Yes	Yes
Dipping headlamps ...	Yes	Yes	Yes
Roof lamp ...	—	—	Yes
Luggage container ...	Compartment behind rear squab	In boot	In boot
Spare wheel position ...	Rear	Spare wheel compartment below boot	Spare wheel compartment below boot
Sun visor ...	—	—	Driver and passenger
Trafficators ...	—	—	Yes
Steering column ...	Telescopic, with rake adjustment	Fixed rake, with telescopic adjustment	Fixed rake, with telescopic adjustment

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. Air silencers and cleaners. Thermostatically controlled cooling.

Three-bearing crankshaft. Flexible engine mountings. Engine control link on $1\frac{1}{2}$ litre.

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

Independent front suspension of the wishbone type, incorporating coil springing, fitted to $1\frac{1}{2}$ litre. Inner points mounted on 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 ; lateral control link incorporated in the rear suspension.

Midget suspension by means of semi-elliptic laminated springs ; rear ends of front springs and both ends of rear springs mounted on rubber bushes.

Rudge knock-off hub detachable wire wheels on Midget. Ventilated disc detachable wheels on $1\frac{1}{2}$ litre.

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 columns and spring-spoked steering wheels on all models.

Separate speedometer and revolution counter on Midget and Tourer. Combined ammeter, fuel and oil gauges and combined speedometer and electric clock on $1\frac{1}{2}$ litre.

More commodious coachwork than on previous Midgets. 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 facia board, pockets on all doors, time-controlled "Trafficator" switch, etc.

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

In-built jacking system hydraulically operated on $1\frac{1}{2}$ litre.

Spacious rear luggage boot on the $1\frac{1}{2}$ litre.

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

Thirty-miles-an-hour warning light on Midget. An exclusive M.G. feature.

NUFFIELD GUARANTEE (EXPORT)

1. For a period of SIX MONTHS from the date on which a new Nuffield-built Car or Chassis is delivered to the first owner-user thereof Nuffield Exports 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

- Immediately upon discovery of the alleged defect returns the part or parts complained of to the Company's Authorised Distributor in the territory in which the Car or Chassis was purchased carriage paid.
- Sends therewith particulars of the chassis number and engine number of the Car or Chassis in question, as shown on the manufacturer's identification plate.
- 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.
- Refers to this Guarantee.

3. This Guarantee shall not apply to

- Any accessories or proprietary fittings whatsoever.
- Any Car or Chassis used
 - As a Hackney Carriage,
 - For hiring out,
 - For any purpose other than the private or genuine commercial use of the owner-user,
- Any defective part or parts which in the opinion of Nuffield Exports 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.
- Any second-hand Car or part or parts thereof.
- Anything whatsoever not both manufactured by Morris Motors Limited and sold by the Company.
- Any part or parts of a Chassis to which a body which in the opinion of the Company is unsuitable has been fitted.
- Any vehicle in or to which any part not manufactured or sold by Morris Motors Limited has been affixed.

4. The liability of Nuffield Exports 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 is in similar terms but for a period of twelve months.

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