



3rd EDITION (HOME)



OPERATION MANUAL

FOR THE

MORRIS EIGHT

(SERIES "E")

IN WHICH IS INCLUDED —

RUNNING
MAINTENANCE AND
ADJUSTMENT
INSTRUCTIONS

PUBLISHED BY

MORRIS MOTORS LIMITED

Cowley : Oxford : England



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The Nuffield Organization
Cowley, Oxford, England



OPERATION MANUAL
FOR THE
MORRIS EIGHT
CAR
(SERIES "E")

1953 EDITION

ENGINE AND CHASSIS NUMBERS

The engine and chassis numbers of the Morris Eight car are located on a brass plate on the dash, under the bonnet.

Please remember this in case you :

- (a) Write to our Service Department, or
- (b) Want to take your car abroad.

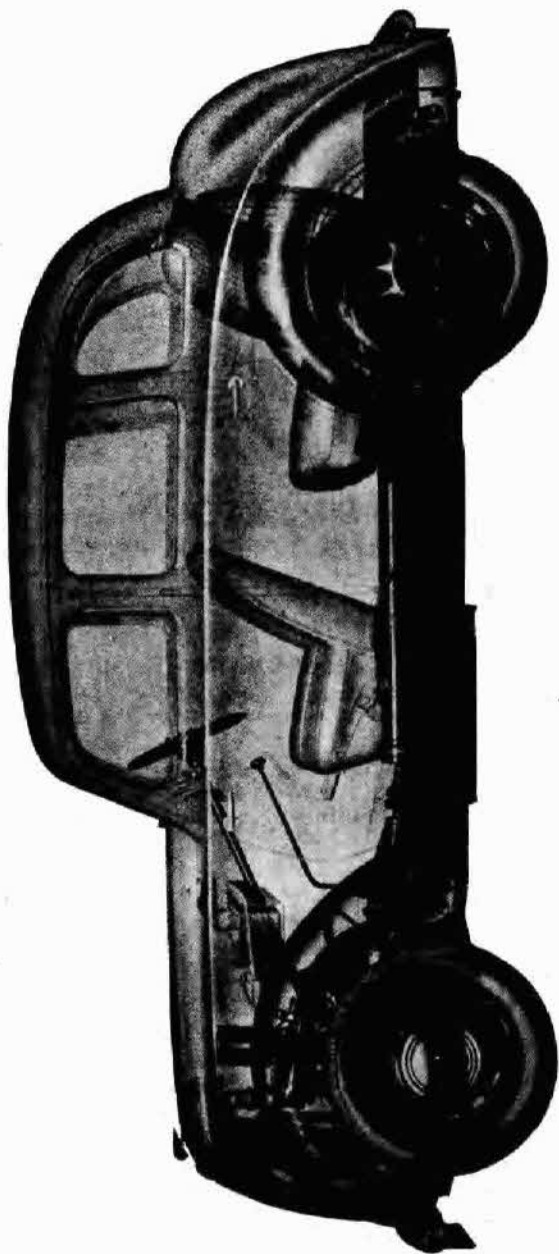
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THE MORRIS EIGHT (Series "E")



FOREWORD

IN the compilation of this book an attempt has been made to give in a concise form all the information normally required for the efficient management and upkeep of Morris Eight cars, and to give instruction on how to effect those minor but all-important operations that mean so very much to the operation of the car and to the satisfaction of the owner. It must be remembered, however, that in a book of this nature it is impossible to deal in full with every aspect of car maintenance and that this publication is confined to essentials.

Nevertheless, this book contains a considerable amount of material, which will naturally take some time to absorb, and to assist those who cannot afford the time to make themselves familiar with its full contents, we have underlined those paragraphs to which the owner **must** give attention if he wishes to obtain trouble-free running.

We know that every Morris Eight car that leaves our Works can give absolute satisfaction. In case of trouble, first study this *Operation Manual*: then, if still puzzled, write to your Dealer or the Works. We are yours to command, and have a well-organized Information Bureau at your complete disposal.

MORRIS MOTORS LTD., COWLEY, OXFORD, ENGLAND



General Data

Bore	57 mm.	2.24 in.
Stroke	90 mm.	3.54 in.
Cubic capacity	918 c.c.	56.02 cu. in.
Firing order	1, 3, 4, 2	
Wheelbase	2.26 metres	89 in.
Track (Front)	1.133 metres	44 $\frac{5}{8}$ in.
(Rear)	1.174 metres	46 $\frac{1}{4}$ in.
Tyre size	4.5-17	
Wheel size	2.5 x 17	
Toe-in	$\frac{1}{8}$ in.	

Gear ratios:—

Synchronesh	{	1st	20.88 to 1
		2nd	12.158 to 1
		3rd	8.14 to 1
		4th	5.286 to 1
		Reverse	20.88 to 1

Turning circle		$\left\{ \begin{array}{l} \text{R/H } 39 \text{ ft. (11.9 m.)} \\ \text{L/H } 37 \text{ ft. } 3 \text{ in. (11.35 m.)} \end{array} \right.$
Ground clearance (Front Axle)	6 $\frac{3}{8}$ in. (16.2 cm.)	
Sparking plugs	14 mm. Champion L.10	
Petrol tank capacity	5 $\frac{1}{2}$ gallons (25 litres)	
Engine oil capacity	6 $\frac{1}{2}$ pints (3.7 litres)	
Gearbox oil capacity	1 $\frac{1}{2}$ pints (.85 litre)	
Rear axle oil capacity	1 pint (.57 litre)	
Total water capacity	15 pints (8.5 litres)	

Weights :

Two-seater	14 cwt.
Tourer	14 cwt.
Two-door Saloon	15 $\frac{1}{4}$ cwt.
Four-door Saloon	15 $\frac{1}{2}$ cwt.



THE OPERATION MANUAL FOR THE Morris Eight Car

(SERIES "E")

General Hints on Driving

FILLING UP

(1) PETROL

Before starting out for a run always make a point of seeing that the tank contains sufficient petrol. The quantity of petrol in the tank can very easily be seen on the dial gauge on the instrument panel when the ignition is switched on. The tank capacity of the Morris Eight is approximately five and a half gallons.

(2) OIL

Before starting out see that there is a plentiful supply of oil in the engine sump. To check this remove the dipper rod with hooked end, which will be found projecting on the right-hand side of the engine between the water intake pipe and the starter motor. Carefully wipe the lower portion of the rod, reinsert it and withdraw. Oil will cling to the rod, thus showing the actual quantity present in the sump. The normal oil level is indicated by a deep depression on the rod marked "full." The engine should not be run for long periods when the oil has dropped below the "low" mark.



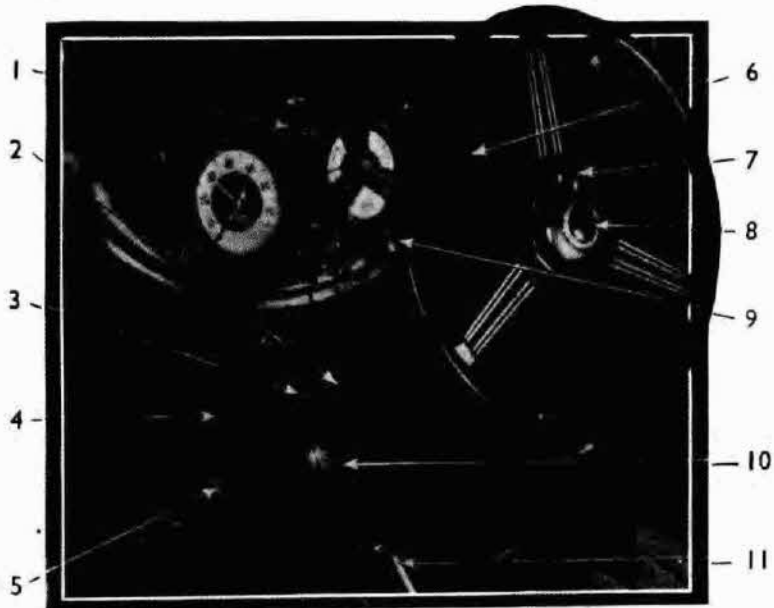
The oil filler and graduated dipper rod on the Morris Eight.

The filling orifice is at the forward end of the engine on the off-side, and is provided with a quick-action cap.

Clean fresh oil is essential. Use one of the oils recommended on page 54.

(3) WATER

To ensure proper functioning of the cooling system the radiator when cold should be filled with clean water to a point just below the top of the filler cap. When possible, rain water should be used for filling the radiator.



The controls of the Morris Eight.

- | | | |
|------------------------|------------------------------|-----------------------|
| 1. Windscreen control. | 5. Dipping headlamp switch. | 9. Starter switch. |
| 2. Accelerator. | 6. Windscreen wiper control. | 10. Gear lever. |
| 3. Brake pedal. | 7. Trafficator switch. | 11. Hand brake lever. |
| 4. Clutch pedal. | 8. Horn push. | |

CONTROLS

On the Morris Eight car every necessary control is provided. In the centre of the car will be found two levers, one plain and ending in a round black knob, which is the gear lever, and a little farther to the rear a lever with a ratchet handle—the hand brake lever. The hand brake lever pulls upwards to apply the brake and will stay on until released, which is achieved by pulling on the lever to take the load and pressing the ratchet release. Projecting through the floorboards on the right of the car will be found three pedals, two with oval heads of similar size, and to the right of these a smaller one with a roller head. These (right to left) are the accelerator pedal, foot brake and the clutch.