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The information given in this document is not to be communicated either directly or indirectly to the Press or to any person not authorized to receive it.



**SERVICE  
INSTRUCTION BOOK  
FOR  
CAR, SCOUT, HUMBER II**

This publication has been produced to the instructions of  
**THE CHIEF INSPECTOR OF FIGHTING VEHICLES**  
to whom all communications should be addressed



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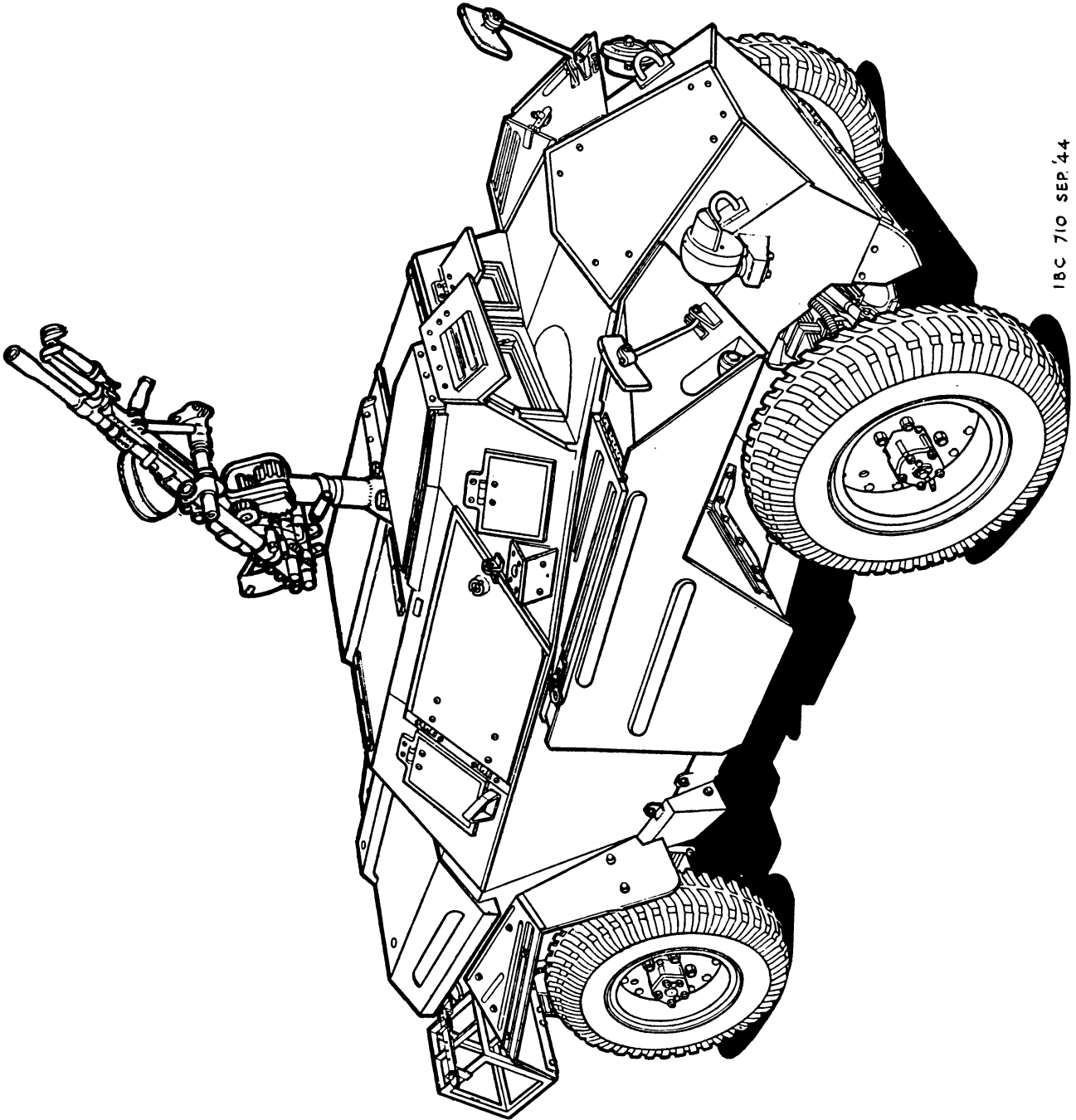
**SERVICE  
INSTRUCTION BOOK**

FOR  
**CAR, SCOUT,  
HUMBER II**

CH<sup>y</sup> WELLS CATALOGUE NO. 64/28

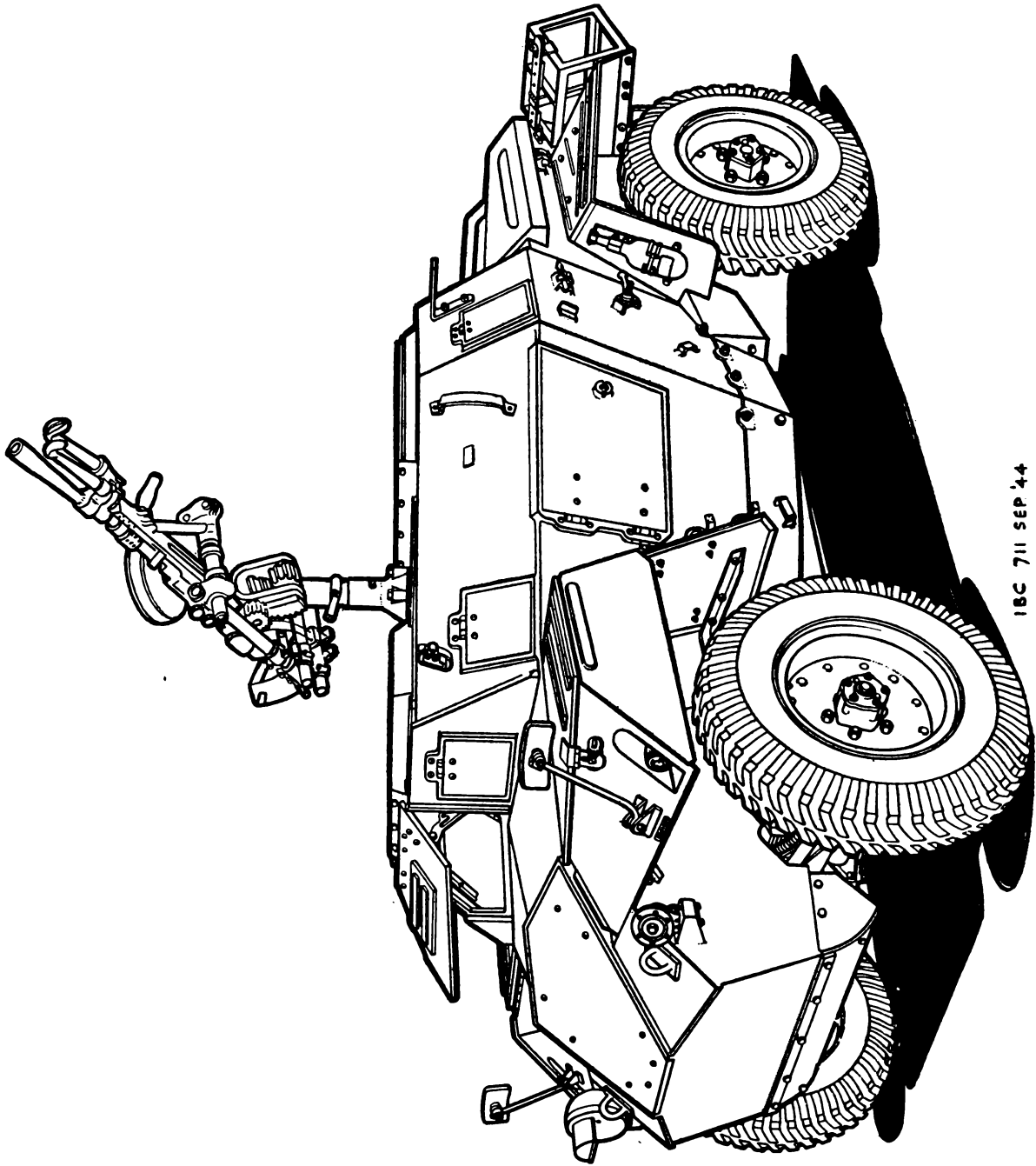
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Fig. 1.—CAR, SCOUT, HUMBER II—RIGHT SIDE VIEW.



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Fig. 2.—CAR, SCOUT, HUMBER II, LEFT SIDE VIEW.

# FOREWORD

The Car, Scout, Humber II is a light, fast, armoured vehicle, for use as a communicating link between units.

It is equipped with a No. 19, Mark III wireless set.

The engine is installed at the rear end of the vehicle. This improves the observation facilities for the crew.

The armament consists of a Bren gun carried on a pillar mounting on the roof of the vehicle, and a Thompson sub-machine gun stowed. Access to the Bren gun is by a sliding panel in the roof. The gunners seat can be raised to the firing position by a quick acting adjustment. The Bren gun can be fired and traversed when necessary, by remote control from within the vehicle.

For driving over rough country, steep hills, and difficult places, four wheel drive and reduced gear ratios are provided. **When driving on normal surfaces, the standard gear ratios and rear axle drive must only be used.**

Run-flat tyres are fitted, enabling the vehicle to be run up to a distance of 50 miles after the tyres have been damaged.

The vehicle is provided with equipment to enable the batteries to be efficiently charged while the vehicle is stationary, as required when on outpost duty and the wireless set is being used for extended periods.

The information in this book combined with efficient maintenance work carefully carried out, will enable the vehicle to be maintained in first class fighting condition.

This book consists of two principal sections divided into chapters, each dealing with a main unit or a group of units. These chapters are further sub-divided into parts. Where necessary for clarity or easy reference parts may be further sub-divided into sub-sections.

The two principal sections are as follows :—

SECTION A. Operation, maintenance and adjustments.

SECTION B. Detailed description of the moving parts of the vehicle.

It is essential that this Service Instruction Book be read in conjunction with the instructions laid down in the appropriate Military Training Pamphlet for the vehicle and the relevant Crew Maintenance Insert in A.B.413.

Information regarding lubricants and periods of maintenance will be found in the Crew Maintenance Insert of the appropriate Army Book 413 and the information included therein will be taken as the ruling guide should it differ from that included on the lubrication chart in the pocket of this book.

No modifications are described in this book and only the latest information is included, unless two or more types of any part are to remain in the service, in which case particulars of each are included.

**For Frost Precautions see page 11.**

**For Fire Precautions see page 12.**

WIRELESS EQUIPMENT (Maintenance and operation of the No. 19 W.T. set fitted in this vehicle is covered in the separate instruction book demandable from The Commandant, Central Ordnance Depot, Donnington).



SECTION

A

**OPERATION, MAINTENANCE AND  
ADJUSTMENTS**



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