

Chapter 2 R.P. EQUIPMENT

LIST OF CONTENTS

DESCRIPTION	Para.	SERVICING	Para.
General	1	General	5
Front and rear struts	2	REMOVAL AND ASSEMBLY	
Guide rails	3	General	6
Installation	4		

ILLUSTRATION

	Fig.
R.P. installation	1

DESCRIPTION

General

1. Provision is made for fitting two Mk.8 rocket projectors on the underside of each wing, between the fuselage and the stub boom. Each projector consists of a front and a rear strut with an interposed guide rail and is capable of carrying two tier-mounted rocket projectiles. The rockets are fired electrically and details of the electrical installation are contained in Sect. 5, Chap. 1. The electrical visual safety break is located on the outboard diaphragm of each main wheel well. A full description of the Mk.8 installation is given in A.P.2802B.

Front and rear struts (fig. 1)

2. The front and rear struts each comprise a mounting strut fitted with, respectively, a front carrier and a rear carrier. The mounting struts are fabricated from streamline section tube and each has a plate welded to the top for attaching the strut to the wing. Incorporated within each front strut is a

mounting block, to which the front carrier is secured by a pin, and a base block. A similar internal mounting block is riveted to the lower end of each rear strut to which the rear carrier is bolted.

Guide rails

3. The purpose of the guide rails is to prevent the tails of the upper rockets, when they are fired, fouling the front mounting struts. Each guide rail consists of a light-alloy tube, to which is secured the flanged guide-rail runner. Attachment for the rear end of the guide rail is provided by an internal socket, which engages with the spigot at the forward end of the rear carrier guide. At the forward end, the guide rail is attached to an eye-bolt which is secured to the front strut.

Installation

4. The inner and outer front mounting struts are secured by bolts, which engage with anchor nuts on the main plane structure.

The rear pair of bolts, in each case, are also main spar structural attachments and *must be replaced when the struts are not fitted*; an instruction to this effect is stencilled in red letters adjacent to the front inner socket support struts, and on no account must the instruction be obliterated by paint spraying, etc. Both rear mounting struts are attached to the No. 1 fuel tank door; the electrical connections are accessible only when the struts have been removed from the door.

SERVICING

General

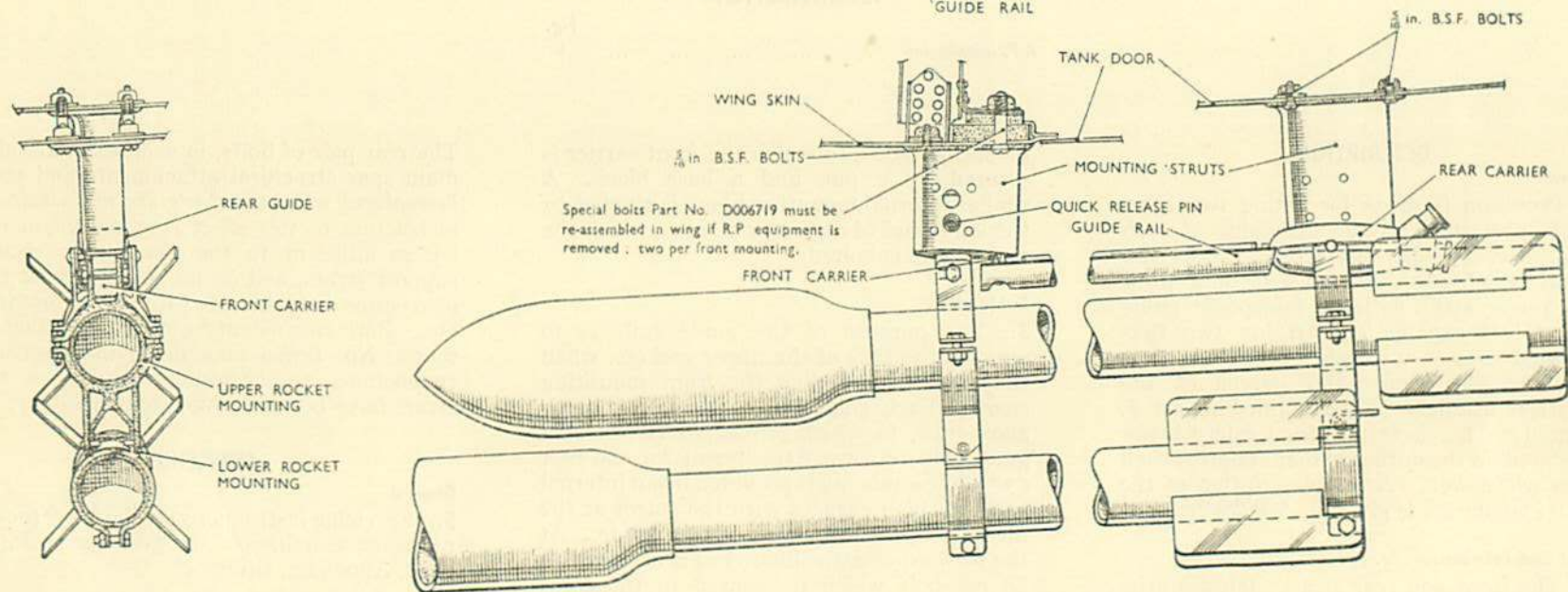
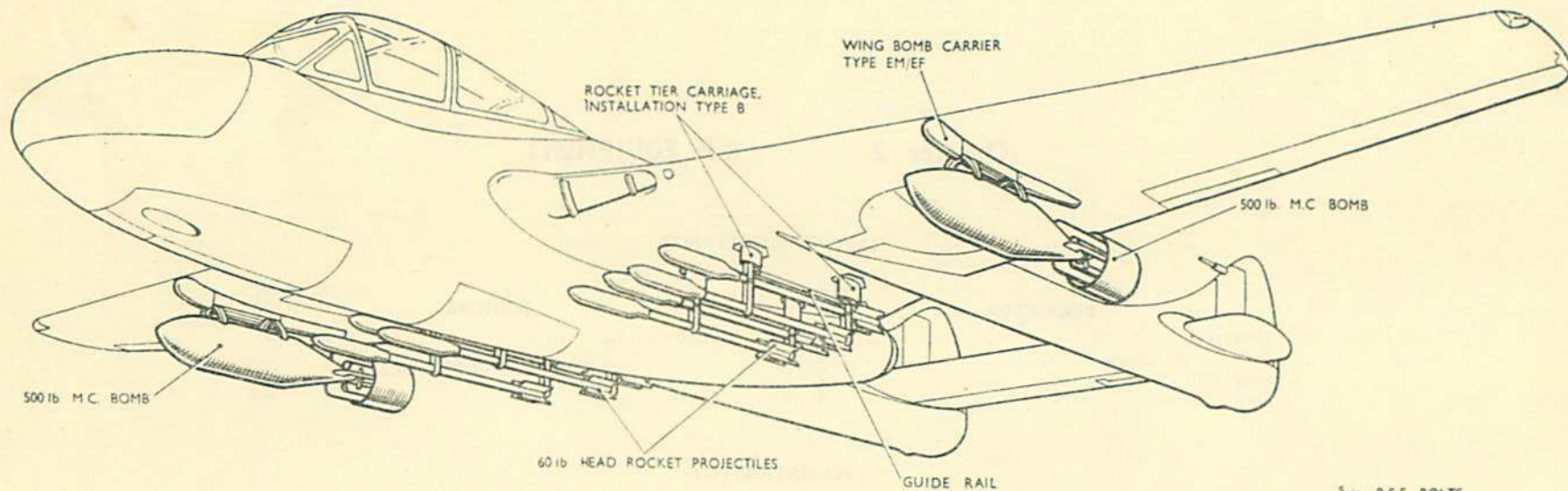
5. Servicing instructions for the Mk.8 rocket projector installation are given in A.P.(N) 1024, Appendix, Group 4.

REMOVAL AND ASSEMBLY

General

6. Removal and assembly instructions for the Mk. 8 installation are given in A.P.2802B, Vol. 2, Part 3.

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SECTION THROUGH FRONT MOUNTING

SECTION SHOWING ATTACHMENTS TO WING

Fig. 1. R.P. installation

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