

Chapter 2 R. P. EQUIPMENT

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DESCRIPTION

General

1. Provision is made on the underside of each wing, between the fuselage and the stub booms, to carry four rockets (fitted with either 25 lb. or 60 lb. heads) in tier carriers. The front mounting struts are attached to the front spar and the rear struts to the inner fuel-tank doors, each being secured by four bolts. Guide rails are interposed between and mounted to the front and rear mounting struts. No adjustment for alignment of the installation is provided.

Front and rear struts

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 main plane. 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 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 four bolts which secure each mounting strut to the main plane structure engage in anchor nuts. The rear pair of bolts for each front mounting strut form part of the main spar structure 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 this 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. The safety break for the R.P. circuit will be found in the respective main wheel wells. The installation is fully described in A.P.2802A, Vol. 1.

SERVICING

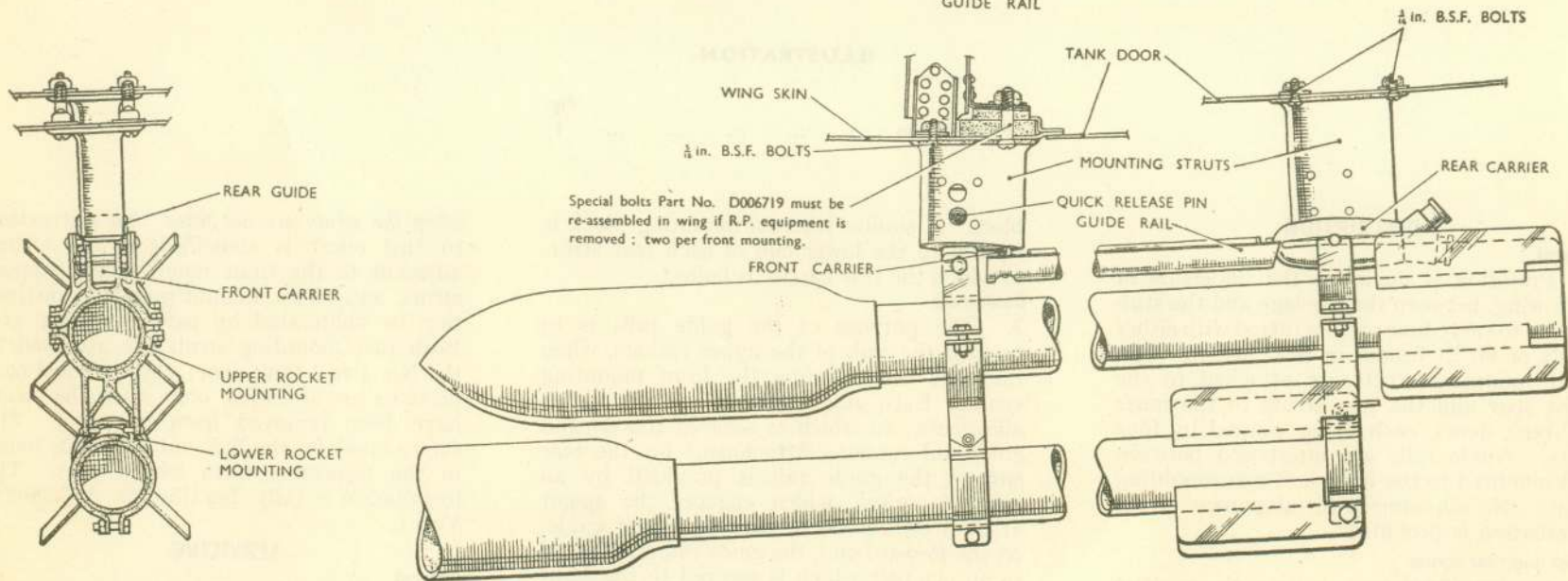
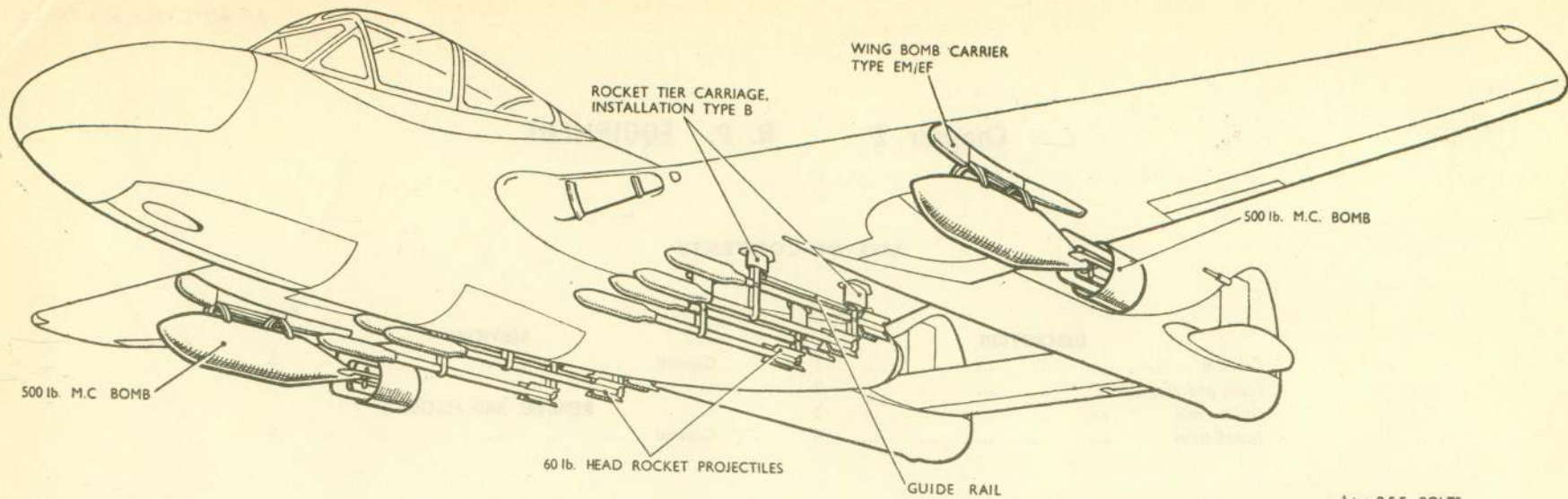
General

5. Servicing instructions for the rocket projector installation are given in A.P.2802A, Vol. 2, Part 3.

REMOVAL AND ASSEMBLY

General

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



SECTION THROUGH FRONT MOUNTING

SECTION SHOWING ATTACHMENTS TO WING

Fig. I. R.P. installation

RESTRICTED



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