

Chapter 18 PHOTOGRAPHIC INSTALLATION

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INTRODUCTION

1. This chapter describes the installation of the camera mounting, the F.95 camera and the control unit in the aircraft. Mod.2072 part A introduced the fixed fittings necessary for the installation of the camera and its control unit which were introduced on part B of Mod.2072. For information regarding the electrical services, reference should be made to A.P.101B-1902-1C, Sect.7, Chap.11.

DESCRIPTION (Fig.1 and 2)

2. The camera mounting is located in the air bomber's compartment, its attachment points being on former 372 and the bombsight mounting. Also on former 372 is the plug and socket break for the camera control connection. The camera control unit mounting is situated in the crew compartment on the starboard side below the NAV/BOMBER'S I/C control panel.

INSTALLATION - REMOVABLE FITTINGS (Fig.3)

3. When the aircraft is required for photographic purposes, the removable fittings are to be fitted in the following manner:-

NOTE . . .

Before any electrical circuit is disturbed or disconnected, all power supplies in, to or from the aircraft are to be disconnected. Power supplies are only to be restored when the person responsible for the embodiment or inspection of the installation is satisfied that it is safe to do so.

- (1) Remove the bombsight from the visual air bomber's station and return to stores. If the bombsight is not fitted, fold up the window cover and stow in the vertical position.
- (2) At former 372 remove the split pins,

washers and shackle pins securing the cover struts to the attachment lugs and return to stores.

- (3) Locate the short tube of the camera mounting assembly on to the bombsight spigot (2) on the port side of the air bomber's station.
- (4) Lower the mounting assembly until the cross tube (3) lines up with the holes in the lug members (4) and the cover struts, (6) then fit the special bolts and washers ((1) stbd) and ((5) port).
- (5) The four ¼ in. bolts and washers are to be retained in stores until such time as they are required for fitting the camera.
- (6) Connect the cable plug to plug

RESTRICTED

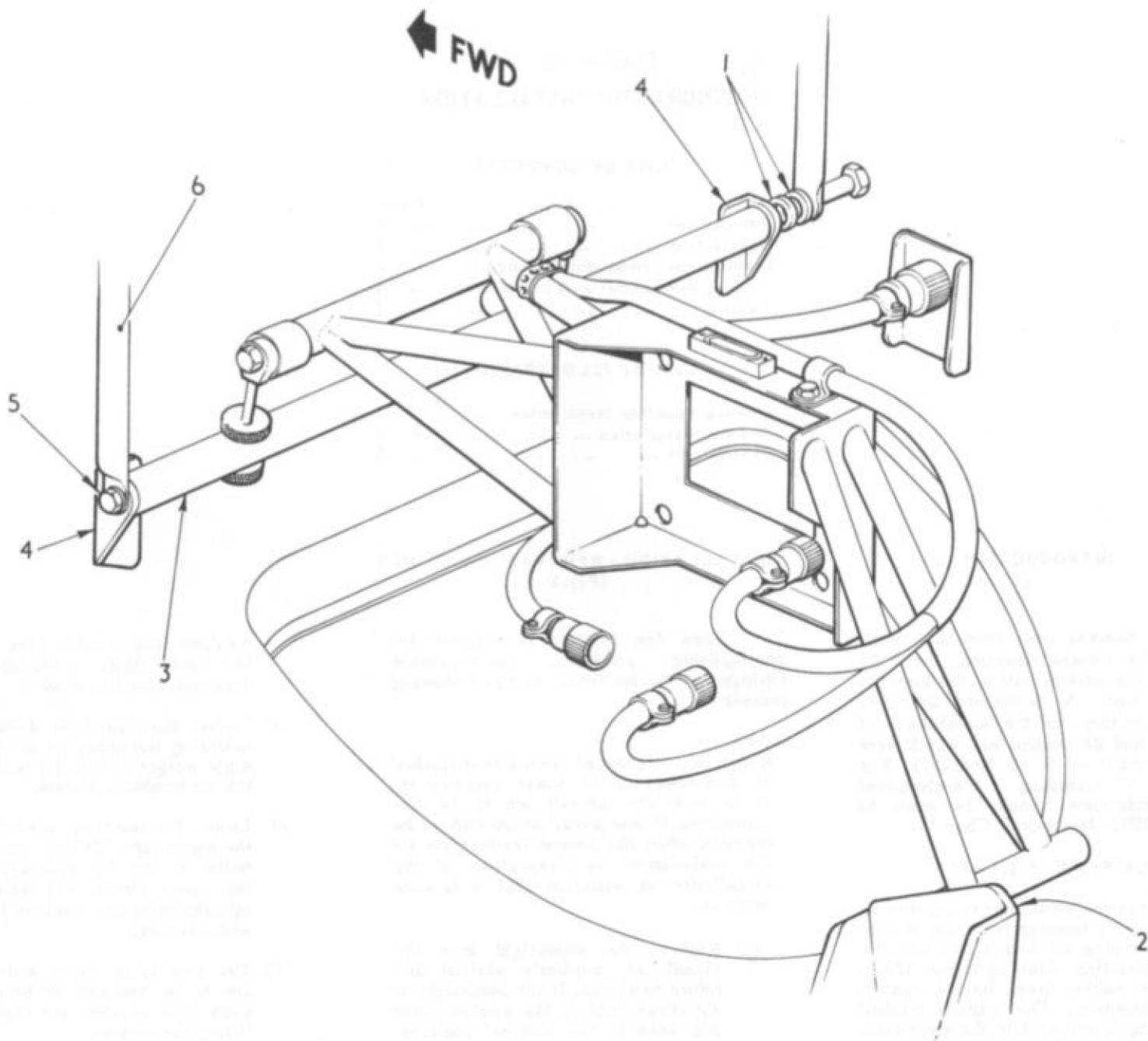


Fig.1. Camera Mounting installation

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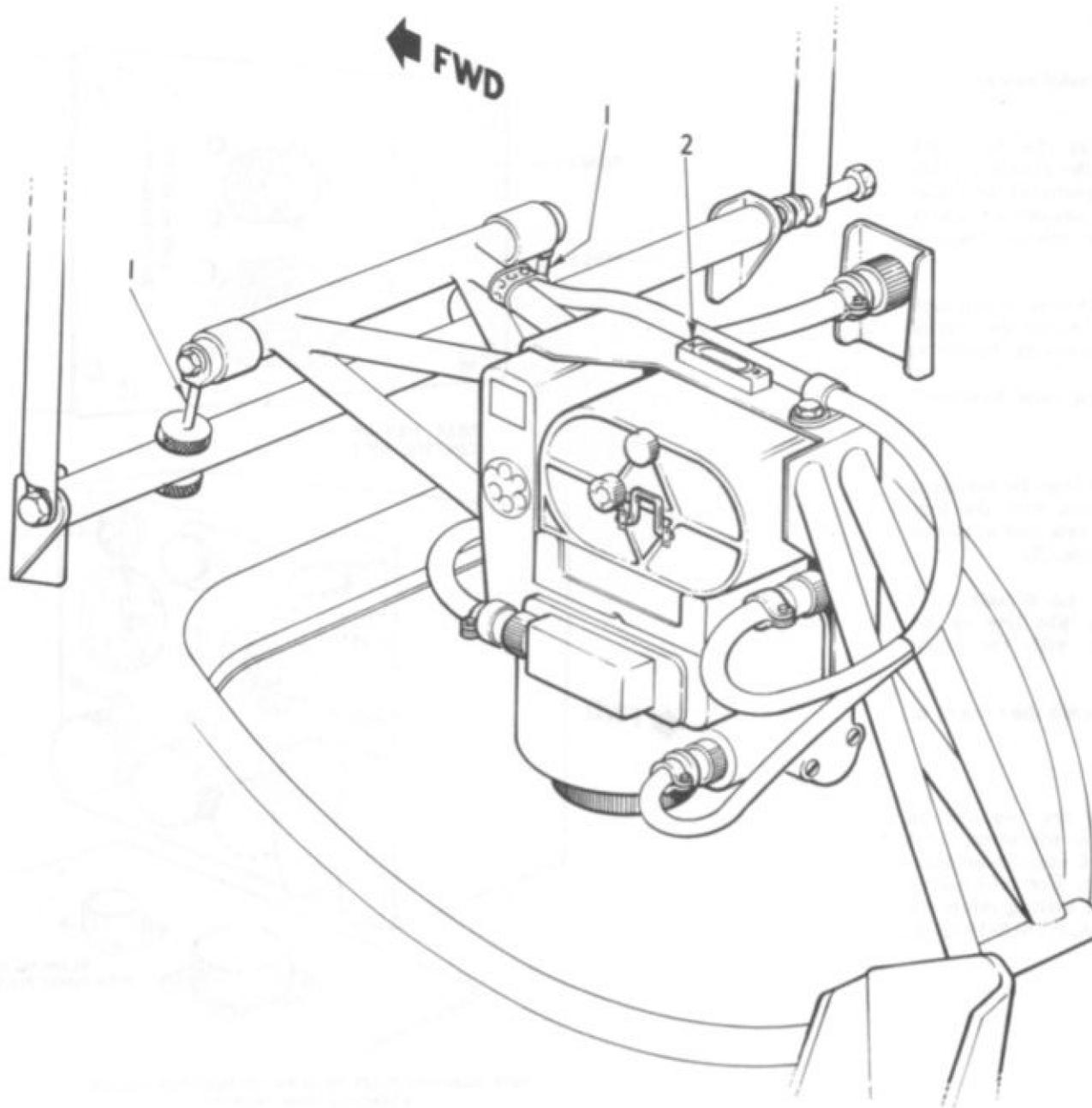


Fig.2. Camera installation

V.2.1A. 1150

break 1219 (Fig.1).

Camera and control unit installation

4. Control unit

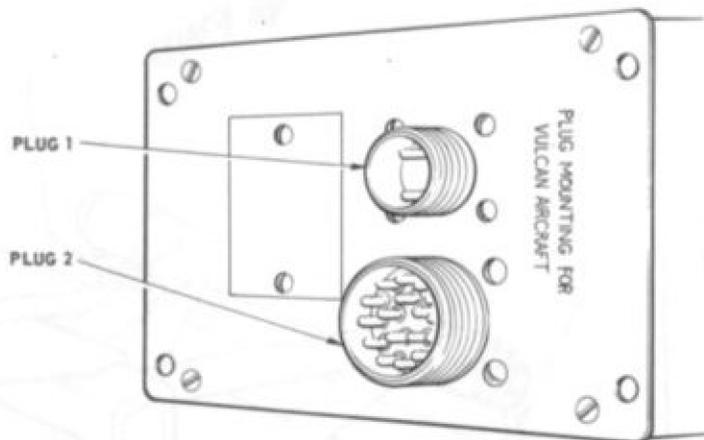
- (1) Remove and retain the four 2BA screws attaching the blanking plate in the crew compartment and disconnect the cable assembly sockets from the plate and connect them to the control unit.
- (2) Using the four 2BA screws retained from operation 4(1) mount the control unit on to the mounting brackets.
- (3) Return the blanking plate to stores.

Camera (Fig.2)

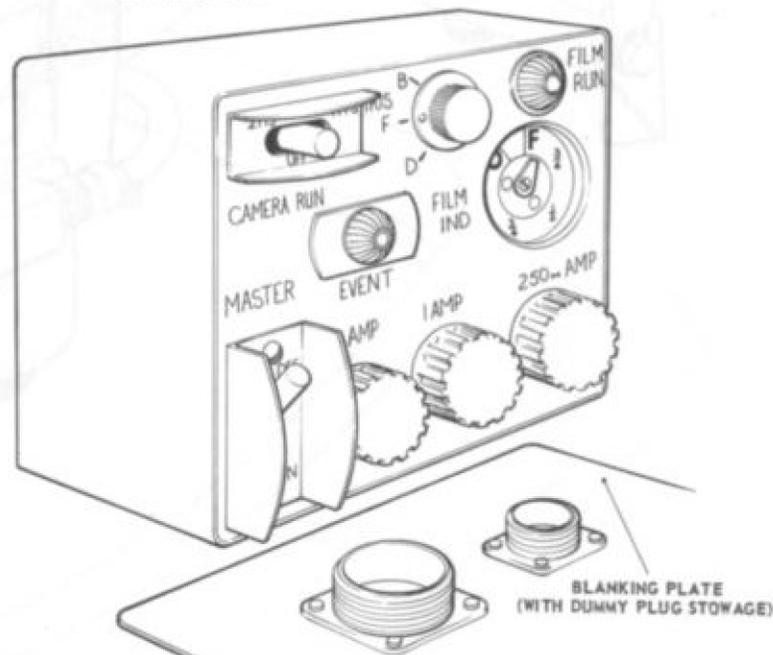
- (4) Locate the camera into the mounting structure and attach with the four bolts and washers retained in stores from para.3 operation (5).
- (5) By means of the two adjusters (1) on the front cross tube line up the camera, checking with the spirit level (2).
- (6) Tighten all bolts when the camera is correctly aligned.

Testing

5. No special tests are required on completion of the above operations, but any other appropriate and associated testing is to be carried out. For information relating to the electrical testing reference should be made to A.P.101B-1902-1C, Sect.7, Chap.11.



REAR VIEW OF CONTROL UNIT



NOTE. BLANKING PLATE TO BE FITTED WHEN CONTROL UNIT IS REMOVED FROM AIRCRAFT

Fig.3. Control unit

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