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B-LIBERATOR INSTALLATION.

1. CAMERA MOUNTING.

In the Liberator A/C the P.24 Mirror Camera and Accessories are mounted in the Camera-Flare Chute-well. Rails to which the Type 25 mount is secured, are already part of the A/C accessories. These rails can be adjusted to three positions and in this instance the bottom position is the one used. It may be necessary to bush out the rail closest to the flare-shute so that the camera mount will fit properly.

The perspex window which is fitted into the camera port door is removed and the camera mounted to fit snugly around the camera cone and fastened by means of snap fasteners, excludes the draft.

Once the camera has been adjusted to its proper position on the rails in the well, marks should be made to indicate proper positioning in the event of removal of equipment.

CAMERA ACCESSORIES.

These consist of:-

1. P.24 Aerial camera with high speed universal gear box and mirror attachment.
2. Motor and flexdrive.
3. No. 1 Power lead modified with a 5 way plug.
4. No. 4 Motor lead.

NOTE. The modification applied to the #1 power lead includes a 5 way plug to which is attached the power leads to #1 and #2 terminals and a short single lead to #4 terminal. To the free end of this short single lead to #4, a screw receptacle is attached.

AIR SCOOP.

An Air Scoop (see photo) is mounted on the belly of the A/C to give protection to the projecting mirror. This protects the mirror from vibration due to the slip stream and also diverts foreign matter from settling on the mirror surface.

RELAY AND ELECTRICAL OPERATION.

The camera is electrically hooked up as in the wiring diagram. A wedge already installed in the A/C carries the driving motor. The #1 power lead is plugged into the receptacle on the side wall of the well. The two leads from this plug are connected into the 5 way plug as already noted. Polarity is very important and therefore must be taken into account. By means of a single wire coupling, the short lead from #4 terminal on the 5 way plug is connected to a lead which runs to the relay situated in the bomb sinner compartment.

NOTE: The location for mounting the relay is optional and can be determined by the electricians.

RELAY: The relay is placed in the bomb circuit, the coil of the relay being put with one of the leads to the firing key. A hot lead is fed to one contact. The other contact is connected to #4 terminal of the 5 way plug in the camera by means of the single cable extension.

ADJUSTMENTS

The mirror is tilted by means of the adjustment knobs on the Type 25 mount so that it is approximately 15 degrees off of vertical when the A/C is in flying position.