



**REPUBLIC AVIATION CORPORATION
FARMINGDALE, LONG ISLAND, NEW YORK
SERVICE DEPARTMENT**

MARCH 31, 1947

MANDATORY CHANGE

SERVICE BULLETIN NO. 14

INSTALLATION ELEVATOR CABLE GUIDE

Reason for Change: To prevent the lower elevator cable in the tail boom from catching on the elevator bob weight.

Airplanes Affected: Republic Serial Nos. 5 through 500 inclusive. Serial Nos. 501 and up have already had this change accomplished in production.

Description of Change:

This change involves disconnecting lower elevator control cable in the tail boom, installing cable guide and reconnecting cable and shall be accomplished as follows:

1. Open aft handhole on left-hand side of tail boom.
2. Disconnect lower elevator control cable at forward end of turnbuckle accessible from the handhole.
3. Elevator Cable Guide SK-17-14052-2 is to be located as shown on figure 1. This is to be attached to the cross channel with the existing bolts holding the two inboard rudder pulley brackets. As only one hand may be used, it will be necessary to hold the nut while tightening the bolts by jamming a wrench against the structure.
4. Pass lower elevator control cable through the guide and reconnect turnbuckle putting sufficient tension on the cable. Proper cable tension is 20 ± 5 lbs. Safety wire turnbuckles.
5. Check operation of elevators, close handhole and make suitable entry in logbook.

Parts Required: Parts may be obtained through your local dealer or distributor at no charge and will be installed free of charge on all airplanes within warranty at time of the modification.

Service Bulletin Kit No. 14 consists of the following:

<u>Quantity</u>	<u>Part Number</u>	<u>Part Name</u>
1	SK-17-14052-2	Guide

Time Required: Approximately 2 man-hours are required to accomplish this change.

W. H. Ehmann
Service Manager

If you have sold your airplane, please forward this bulletin to the present owner.

