

# SERVICE BULLETIN

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

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JANUARY 21, 1947

**MANDATORY CHANGE**

SERVICE BULLETIN NO. 5

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DOWNER AIRCRAFT INDUSTRIES, INC.  
P.O. BOX 41  
ALEXANDRIA, MINNESOTA

## INSTALLATION NEW TYPE ELEVATOR PULLEY GUARD

Reason for Change: To provide a more definite means of preventing elevator control cable from coming off pulley.

Airplanes Affected: Republic Serial Nos. 5 through 125 inclusive. Serial Nos. 126 and up Have already had this change accomplished in production.

### Description of Change:

This change involves removing the present elevator pulley guard from the pulley Forward of the control column and installing new guard in its place and shall be accomplished as follows:

1. Remove brake pedals from top of rudder pedals to obtain free access to elevator control pulley forward of control column.
2. Remove lead ballast forward of pulley.
3. Loosen bolt and nut holding elevator control pulley forward of control column to its support. This will permit the removal of the present guard.
4. If the head of the bolt holding the pulley is on the right hand side of the pulley support, remove the nut from the bolt and slip the new guard in place on the left side of the pulley. However, if the head of the bolt holding the pulley is on the left side, this bolt must be removed using another 1/4" diameter bolt to push the bolt out and to hold pulley in place because of existing tension in elevator control cable. Place Guard 17F31103-1 in position on outside of left hand pulley support and fasten it in place using original hardware. Refer to figure 1.
5. Attach forward tab of guard to deck using self-tapping screw. Drill a #34 (.111) hole in the deck using hole in tab of guard as a guide.
6. Replace ballast and pedals and make suitable entry in log book.

SERVICE BULLETIN NO. 5 (CONT.)

Parts Required: Parts may be obtained through your local dealer or distributor at no charge.

Service Bulletin Kit No. 5 consists of the following:

<u>Quantity</u>	<u>Part Number</u>	<u>Part Name</u>
1	17F31103-1	Guard

Time Required: Approximately 1 man-hour is required to accomplish this change.

W. H. Ehmann  
Service Manager

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

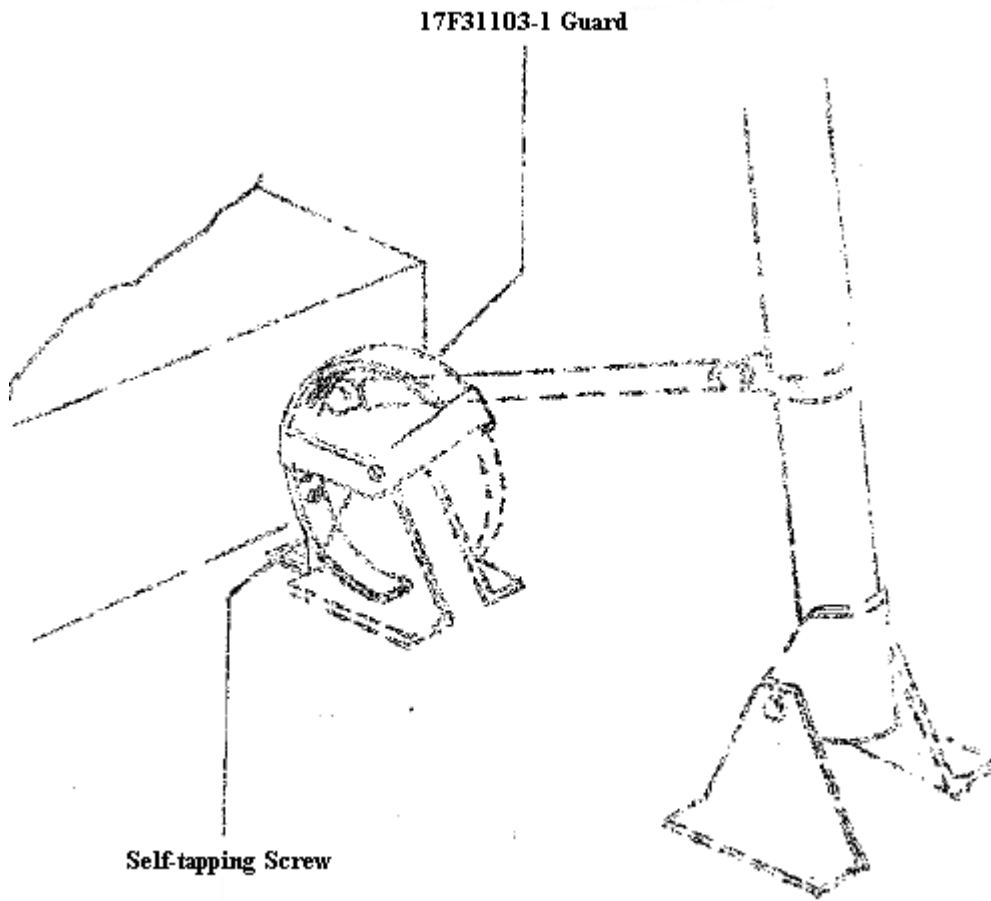


Figure 1