

# SERVICE

# BULLETIN

## STINSON DIVISION

Title: Elevator Trim Tab Control Horn

Bulletin No. 257

Models Affected: 108, 108-1, 108-2 and 108-3 -  
Serial Nos. 108-1 thru 108-4759

March 5, 1948

Gentlemen:

It has been found that in some cases the hole in the elevator tab control horn has elongated. Effective on airplane serial number 108-4760 the gauge of the horn has been increased to eliminate this possibility.

The following repair procedure is recommended for those aircraft on which this hole elongation condition is discovered.

1. Remove the rudder in accordance with the following:
  - (a) Remove the two small access covers at the bottom rear of the fuselage.
  - (b) Loosen set screw retaining housing for flexible shaft in casting.
  - (c) Loosen two set screws in pulley hub and pry flexible shaft clear of mechanism.
  - (d) Disconnect rudder control cables. These cables are spring-loaded so that it is not necessary to loosen the turnbuckles.
  - (e) Detach tail wheel steering springs.
  - (f) Take out the three hinge bolts.
  - (g) Pull rudder aft away from fuselage about six inches and disconnect tail light wire.
2. Disconnect elevator trim tab flexible shaft fork.
3. Bolt reinforcing plate (Part Number 108-2201013-6) to elevator trim tab control horn and drill rivet holes in accordance with sketch.
4. Trim forward edge of reinforcing plate to match the contour of the elevator trim tab control horn.
5. After riveting the reinforcing plate to the horn it may be necessary to open the fork to permit its attachment. See sketch.
6. Use the upper aft hole for attachment of the control horn for the model 108-3 only. On all other models use the outermost hole.