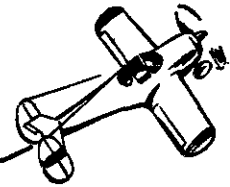


# Ercoupe MEMORANDUM

ERCOUPE  
SERVICE  
MEMORANDUM

No. **55A**

**SUBJECT: Trim tab stop and springs—  
installation of**



1. All Ercoupes, serial numbers 4869 and subsequent, were equipped with elevator trim tab stops and springs. The elevator trim tab stop and spring was designed to prevent elevator flutter in the event that the elevator trim tab actuating wire broke during flight. This memorandum, therefore, is issued to recommend the installation of a similar stop on earlier Ercoupes, and to advise you of the availability of the material necessary to make the modification.

2. Kits containing all parts required for the trim tab stop installation, are now being prepared, and will be sold through the distributor/dealer organization. This material is listed as Trim Tab Modification Kit, part no. SK 14, and sells at a list price of \$2.00.

3. The following parts are supplied in each kit:

Quantity	Item	Part Number
1	Stop	415-SK 287
2	Springs	415-22035
1	Screw	AN 526-632-6
1	Screw	AN 526-632-7
2	Nuts	AN 365-632

4. Installation of Stop:

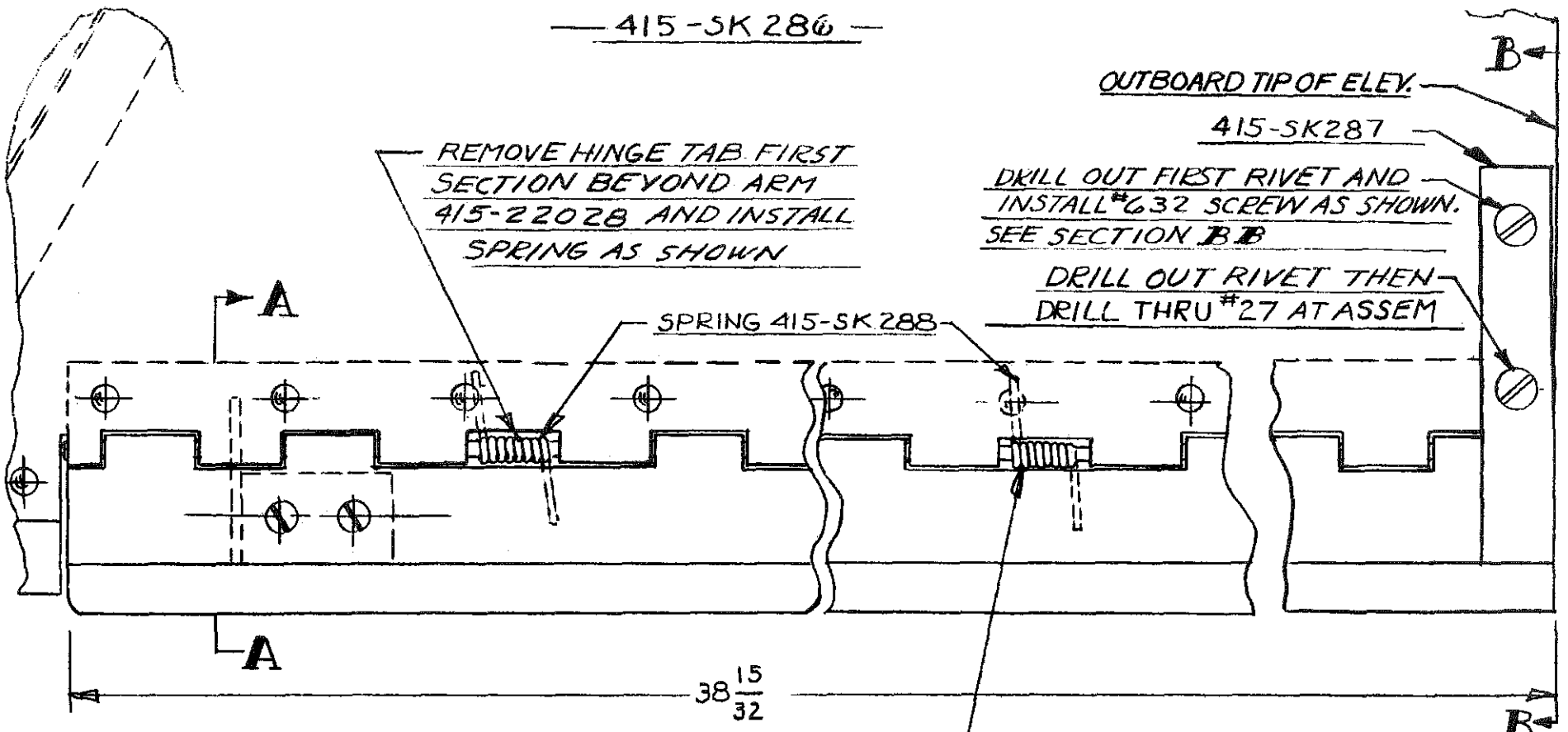
- (a) Drill out outboard rivet securing hinge to elevator as well as upper rivet just forward of this, and enlarge the holes with a No. 27 drill.

- (b) Fasten stop to upper surface of elevator through forward hole with short screw supplied.
- (c) Align stop parallel with end of elevator and drill second hole (No. 27 drill) in it using hole in elevator trailing edge for guide. Burr hole and install second screw.
- (d) Stop should permit tab to move up almost to neutral.

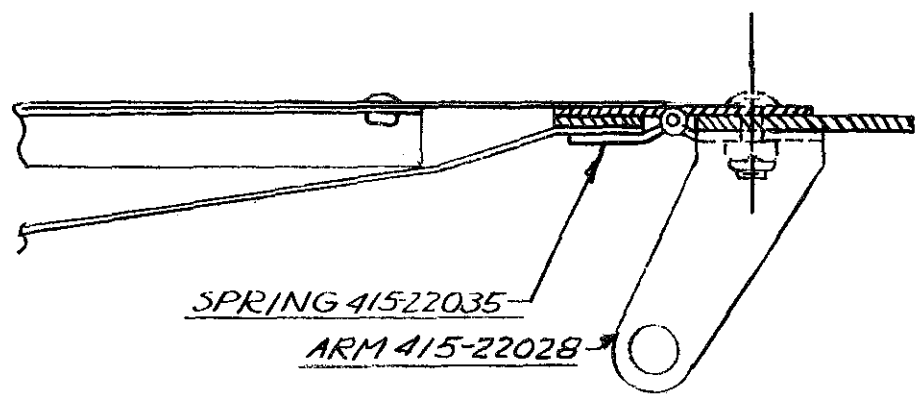
5. Installation of springs:

- (a) Remove trim tab hinge pin.
- (b) Counting from the inboard end of the hinge attached to the elevator, locate and cut off the third and seventh loops as per attached sketch, removing all burrs and sharp edges.
- (c) Install trim tab, sliding hinge pin through the springs placed at the cut-off loops. The springs must be installed with their ends on bottom as shown in sketch, so that they tend to force the tab upward.
- (d) The hinge pin should be approximately  $\frac{1}{4}$ " shorter than the hinge. This will permit the end loops of the hinge to be compressed, preventing the hinge pin from working loose.

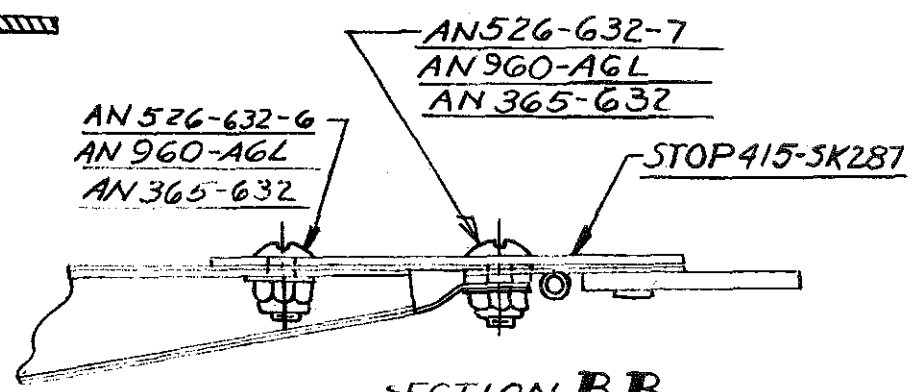
— 415-SK 286 —



REMOVE HINGE TAB 4TH SECTION BEYOND FIRST SPRING AND INSTALL AS SHOWN



SECTION AA



SECTION BB