

# Rockwell service bulletin

International

No. SB-AG-1

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Service Bulletin No. SB-AG-1  
November 30, 1973

## INSPECTION OF VERTICAL FIN STRUCTURE

EFFECTIVITY: MODEL S-2D, SERIAL NO'S 1311D THRU 1379D AND 1381D THRU 1415D

COMPLIANCE: SEE BELOW.

APPROVAL: FAA

PURPOSE: Service investigation has revealed six (6) vertical fin failures have occurred on both the left and right lower horizontal support tubing of the vertical fin at the leading edge weld cluster and aft of that position at forward vertical fin attach point. This Service Bulletin is being issued to aid the operator during inspection of the vertical fin area to prevent future fin failures.

### INSTRUCTIONS:

PART I – TO BE ACCOMPLISHED WITHIN NEXT TEN (10) FLIGHT HOURS AND EVERY TWENTY-FIVE (25) FLIGHT HOURS THEREAFTER UNTIL VERTICAL FIN IS REPLACED.

- a. Visually inspect vertical fin and manually press horizontal support tubing in area shown in Figure 1. to immediately determine if tubing is broken.
- b. If no breaks are detected in tubing, proceed to AIRCRAFT RECORDS.
- c. If breaks are detected in tubing, remove vertical fin and repair in accordance with FAA Advisory Circular AC-43.13-1 or replace with new vertical fin Part No. 5-4030-67.
- d. Proceed to AIRCRAFT RECORDS.

### NOTE

If new vertical fin is installed, no further action is required and disregard this Service Bulletin in it's entirety.

PART II – TO BE ACCOMPLISHED DURING ANNUAL INSPECTION AND EVERY ANNUAL INSPECTION  
THEREAFTER UNTIL VERTICAL FIN IS REPLACED.

- a. Remove existing vertical fin.
- b. Remove fabric from vertical fin and inspect all welds on vertical fin for cracks or breaks. Particular attention should be directed to areas shown in Figure 1.
- c. If no cracks or breaks are found, recover vertical fin with new fabric and install on aircraft.
- d. Proceed to AIRCRAFT RECORDS.
- e. If cracks or breaks are found in tubing, repair in accordance with FAA Advisory Circular AC 43.13-1 or replace with new vertical fin Part No. 5-4030-67.
- f. If repairs are made, recover vertical fin with new fabric and install on aircraft.
- g. Proceed to AIRCRAFT RECORDS.

**NOTE**

If new vertical fin is installed, no further action is required and disregard this Service Bulletin in it's entirety.

SUPPLY DATA: The following part may be purchased from your nearest Thrush Commander Distributor.

QTY	PART NO.	DESCRIPTION
1 ea.	5-4030-67	Vertical Fin Assy.

WEIGHT AND BALANCE DATA: Not Applicable.

AIRCRAFT RECORDS: Make appropriate entry in aircraft permanent maintenance records as follows: Service Bulletin No. SB-AG-1, dated November 30, 1973, entitles "Inspection of Vertical Fin Structure", Part I accomplished \_\_\_\_\_ (date) \_\_\_\_\_; Part II accomplished \_\_\_\_\_ (date) \_\_\_\_\_.

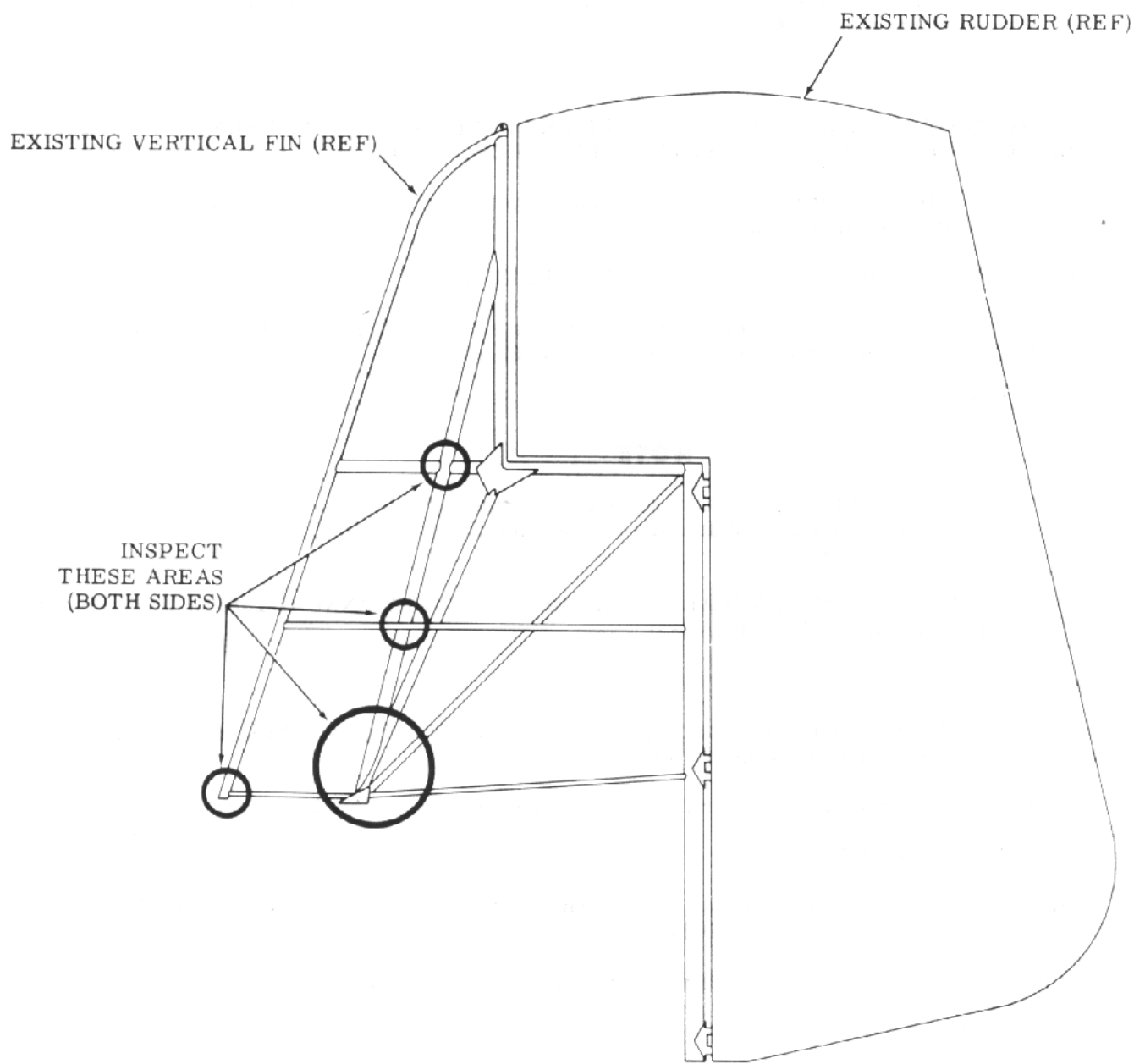


Figure 1.