

Service Bulletin No. SB-AG-13
April 25, 1978

EFFECTIVITY: MODEL S-2R S/N 1416R thru 2452R with Pratt & Whitney PT6A-34AG engine installed per STC SA3237 WE amended 08-29-77 and STC SA3238 WE amended 08-29-77.

SUBJECT: INSPECTION OF VERTICAL FIN STRUCTURE.

COMPLIANCE: SEE BELOW.

APPROVAL: FAA-DER

PURPOSE: Service reports have revealed (3) vertical fin upper trailing edge tubes were found to have cracks or breaks at the end of the cluster star gusset. This Service Bulletin is being issued to provide the operator with an improved vertical fin to prevent future difficulties.

INSTRUCTIONS:

PART 1 TO BE ACCOMPLISHED WITHIN NEXT TEN (10) FLIGHT HOURS AND EVERY TEN (10) FLIGHT HOURS THEREAFTER.

- a. Visually inspect vertical fin upper trailing edge tube, in the area just above the upper flying wire attachment, to determine if any cracks or breaks are present. This may be done by manually depressing the fabric on each side to feel any cracks. Also the upper tube may be rotated left and right to check for any motion in the vicinity of the cluster star gusset.
- b. If cracks or breaks are detected, proceed to Part II.
- c. If no cracks are detected, re-inspect in accordance with Paragraph a. above every ten (10) flight hours until the vertical fin is replaced in accordance with Part II.
- d. Install vertical fin Part No. 54030-96 in accordance with Part II within fifty (50) hours flying time from the date of this Service Bulletin.

PART II TO BE ACCOMPLISHED PRIOR TO NEXT FLIGHT

- a. Remove vertical fin.
- b. Install vertical fin Part No. 54030-96 using the same hardware removed from Step a.
- c. Re-rig vertical fin and rudder in accordance with instruction outlined in the Airplane Maintenance Manual, Section VII. Proceed to AIRCRAFT RECORDS.
- d. Fill out and mail compliance card.

SUPPLY DATA: The following parts are supplied with this Service Bulletin:

QTY	PART NO.	DESCRIPTION
1 ea.	54030-96	Vertical Fin
2 ea.		Compliance Card

ELECTRICAL LOAD: Not Applicable.

WEIGHT AND BALANCE: Not Applicable.

AIRCRAFT RECORDS: Make appropriate entry in aircraft permanent records as follows: Service Bulletin No. SB-AG-13 dated April 25, 1978, entitled "Inspection of Vertical Fin Structure" accomplished Part I _____(Date)_____. Part II accomplished _____(Date)_____.