

# **PITTS** AVIATION ENTERPRISES, Inc.

PO BOX 548 • HOMESTEAD, FLORIDA 33030

PITTS AVIATION ENTERPRISES, Inc.

SERVICE BULLETIN NO. 10

DATE : 31 December 1975

MODEL: S-1S and S-2A

SERIAL NUMBERS: S-1S 1-0032 thru 1-0038  
S-2A 210; thru 2115

COMPLIANCE: MANDATORY

SUBJECT: Streamline tubing trailing edge cracks

COMPONENTS AFFECTED: S-1S: Alicabane braces, main landing gear side brace tubes  
S-2A: Cabane braces (except the two aft ones).

DISCUSSION:

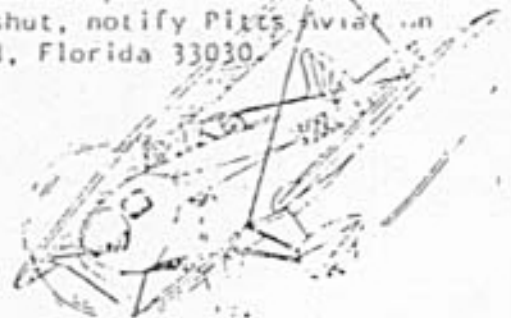
At our Afton Wyoming factory it has been discovered that a particular lot of streamline tubing has been received in an improperly fabricated condition. The trailing edge (small end) of the streamline tube section has been formed to a radius small enough to cause some cracks to form, parallel to the length of the tube, on the small end of the tube cross-section. (Note that this is the aft, trailing edge of the streamline section, not the nose, or front of the tube.)

We believe that our Inspection Department has detected all of the defective tubing, but in order to be certain, this Bulletin has been issued for those serial number airplanes which possibly may be affected.

ACCOMPLISH THE FOLLOWING:

Within the next 25 flight hours:

1. Remove paint from aft edges, (trailing edges), of members noted in "COMPONENTS AFFECTED" above. (Eight tubes on S-1S; four tubes on S-2A.)
2. Visually inspect affected areas, using 10-power magnifier.
3. a) if cracks are present, weld them shut, using either oxy-acetylene gas or electric shielded-arc welding procedures for SAE 4130 'N steel tube. Clean, prime and finish-paint affected areas.  
b) if cracks are not present, prime and finish-paint affected areas.
4. If your airplane required welding cracks shut, notify Pitts Aviation Enterprises, Inc., P.O. Box 548, Homestead, Florida 33030.



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5. The inspection called for in 2. above need not be repeated.

This Service Bulletin is F.A.A. Approved.

*E. F. DEARING*

E.F. Dearing, Chief Engineer  
Pitts Aviation Enterprises, Inc.

EFD/rmf