

# **PITTS AVIATION ENTERPRISES, Inc.**

P.O. BOX 548 • HOMESTEAD, FLORIDA 33030

December 11, 1975

PITTS AVIATION ENTERPRISES, INC.

SERVICE LETTER NO. 8

DATE: 11 December, 1975

MODEL: S-2A

SERIAL NUMBERS: to & including 2114

SUBJECT: P/N 2-3200-15 & -16 ELEVATOR HORNS, LEFT & RIGHT

BACKGROUND: The rear stiffening flange on the elevator horn is formed integrally with this part by a 90 degree bend. The forward flange is welded on. During our production of the S-2A a small number of horns have been noted to have developed cracks on the outside of the bend of the integral flange at both ends of the flange during the bending operation. These parts have been rejected by inspection and not used on production airplanes. To the best of our knowledge all defective horns have been rejected by our inspection department. However in order to be certain of this, we are issuing this Service Letter.

COMPLIANCE: Compliance with this letter is not mandatory, but is highly recommended.

ACTION: Accomplish the following:

1. Remove the left and right inspection covers on the fuselage aft sides and visually inspect the elevator horns aft bent-up flanges for cracks on the outside of the bend radius at both ends of the flange. Paint must be removed from the subject areas of the horn for this inspection. If no cracks are noted, refinish the bare areas with zinc chromate primer. The inspection for cracks need not be repeated.
2. If forming cracks are noted on the horn flanges, remove the affected elevators and weld shut the cracks by oxy-acetylene gas or electric heliarc welding. Clean and refinish the affected areas & reassemble the elevators on the airplane, after which the inspection need not be repeated.
3. If your airplane has required the repair action noted in 2 above, please inform Pitts Aviation Enterprises, Inc., at P.O. Box 548, Homestead, Florida 33030.

*EUGENE F. DEARING*

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

