

P.O. Box 1240
Afton, WY 83110 USA
Tel: 307-885-3151
Fax: 307-885-9674
E-mail: aviat@aviataircraft.com

DATE: April 02, 2015

SUBJECT: Stabilizer Support Tube Inspection and Repair

REVISION: A

**HUSKY MODELS: A-1, A-1A, S/N 1468 & BELOW
A-1B, S/N 2397 & BELOW
A-1B-WF, S/N 0002 & BELOW
A-1B-NF, S/N 0008 & BELOW
A-1C, S/N 3198 & BELOW**

Engineering Data is FAA Approved.

TABLE OF CONTENTS

Description and Compliance.....1
Parts List.....2
Instructions.....2-3
Compliance Letter.....4

DESCRIPTION

The **Rear Stabilizer Support Tube**, part number **30800-111** (All S/N's), will be superseded by new part number **35001-112** in new production aircraft. The rear stabilizer support tube is located in factory master jigs, it is not suggested that the rear stabilizer support tube be replaced in the field due to alignment issues. This action is due to reported incidents of Stabilizer Support Tube failure.

Refer to the Instructions section of this Service Bulletin for inspection and repair procedures for all previous Husky aircraft.

COMPLIANCE

Before next flight and every 100 hours of flight time or during Annual Inspection thereafter, inspect rear stabilizer support tube p/n 30800-111 for damage. Terminating action for this Service Bulletin will be the compliance repair and submission of Compliance Letter.

Please complete the **Instruction** portion of this service bulletin; then complete the attached **Compliance Letter**, copy and send to addresses provided.

NOTE:

- **It is the responsibility of owner/operator to have FAA authorized repairmen perform this work.**

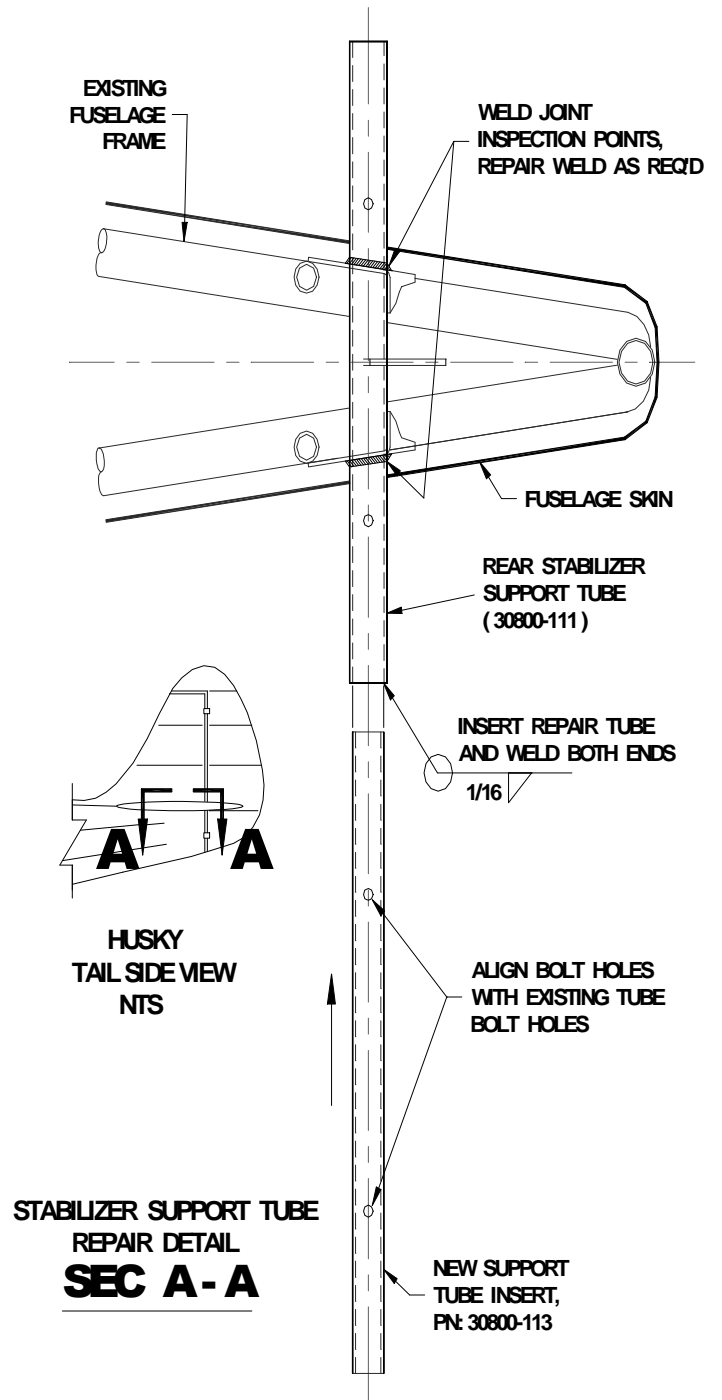
Field Repair PARTS LIST

1. Husky Repair Kit #SB-28 includes:
 - (4 ea) Stabilizer mounting bolts, and self-locking nuts
 - (1 ea) Stabilizer Tube, Rear

INSTRUCTIONS

1. Mandatory Inspection:
 - a. Begin by removing inspection access covers located above and below rear support tube.
 - b. Visually inspect entire circumference of support tube at weld joint between fuselage frame and fabric for corrosion or damage.
 - c. If damage is verified or suspected, proceed to Recommended Repair instructions.

2. Recommended Repair:
 - a. Mark and record adjustments of tail rigging and controls as necessary.
 - b. Loosen all attach bolts and remove elevators and stabilizers.
 - c. If you suspect damage to weld joints, perform a resonance test by tapping on support tube and listening for "dead" sounding resonance.
 - d. If mechanic is unable to effectively determine damage, it may be decided that fuselage fabric must be opened to enable access for a more thorough investigation or to perform a weld joint repair. If damage is detected, proceed to (e). If no damage is detected, proceed to (f/g).
 - e. Insert repair tube inside existing stabilizer support tube, align bolt holes, and weld both ends using AWS ER70S-2 welding rod in accordance with AC 43.13-1B, Chapter 5.
 - f. Make repairs to fuselage fabric as required. For materials and process specification questions regarding fabrics, dopes, and paints, contact Aviat Aircraft Parts Department. See contact information on page 1.
 - g. Reinstall stabilizers, elevators and controls.
 - h. It is recommended to replace all stabilizer mounting bolts & nuts. Any questions on rigging, refer to Instructions for Continued Airworthiness Doc: Model A-1, A-1A; see 70192-002 section 1, 3.10, Model A-1B; see 70192-004 section 1, 3.10, Model A-1C; see 70192-006 section III, 5.2d.



SERVICE BULLETIN #28 COMPLIANCE LETTER

This is to certify that I have complied with this **Service Bulletin** by completing Aviat Aircraft instructions for mandatory inspection and recommended service of the Stabilizer Support Tubes.

Husky Model _____ Serial Number _____ Registration Number _____

Date: _____ Aircraft Hours: _____

Authorized Mechanic _____ Lic. No. _____

Aircraft Owner: _____

Address: _____

Signed: _____

Send to:
Aviat Aircraft Inc. Engineering Dept.
P.O. Box 1240
Afton, WY 83110
Fax: 307-885-9674

Send copy to:
Federal Aviation Administration
Denver Aircraft Certification Office
Attn: Roger Caldwell
26805 East 68th Avenue, Room 214
Denver, CO 80249-6361
Fax: 303-342-1088

(Please attach comments on separate page)