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DATE: 12 November 2007

REVISION: IR

AIRCRAFT: Husky A-1B

SUBJECT: Flap Cable Link

MODELS AFFECTED: S/N 2397-2418

Engineering Data is FAA Approved

DESCRIPTION

During a routine inspection of a specific aircraft, it was found that the flap cable link (part number 35064-001) was fabricated from incorrect sheet stock. The link was made from 0.050" 4130N while the link should have been made from 0.100" 4130 N. This discrepancy affects Husky serial numbers 2397-2418.

The purpose of this bulletin is to alert owners of this problem so that they may check the flap cable link to ensure that it is of the proper thickness.

COMPLIANCE

The flap cable link should be inspected immediately. If it is found to be defective, it should be replaced before the airplane is flown again. After the link has been inspected and, if necessary, replaced, the Compliance Letter should be completed and sent to Sky International Inc. and the Federal Aircraft Administration. Be sure to send the letter even if the flap cable link is not defective.

INSPECTION

Measure the flap cable link and determine if it is the appropriate thickness. See Figure 1. The part should have a base thickness (without paint) of 0.100 inches. Note that it is not necessary to remove the paint - the difference between a 0.100 inch part and a 0.050 inch part is great enough that the thickness of the paint does not affect the accuracy of the measurement.

INSTALLATION OF A NEW FLAP CABLE LINK

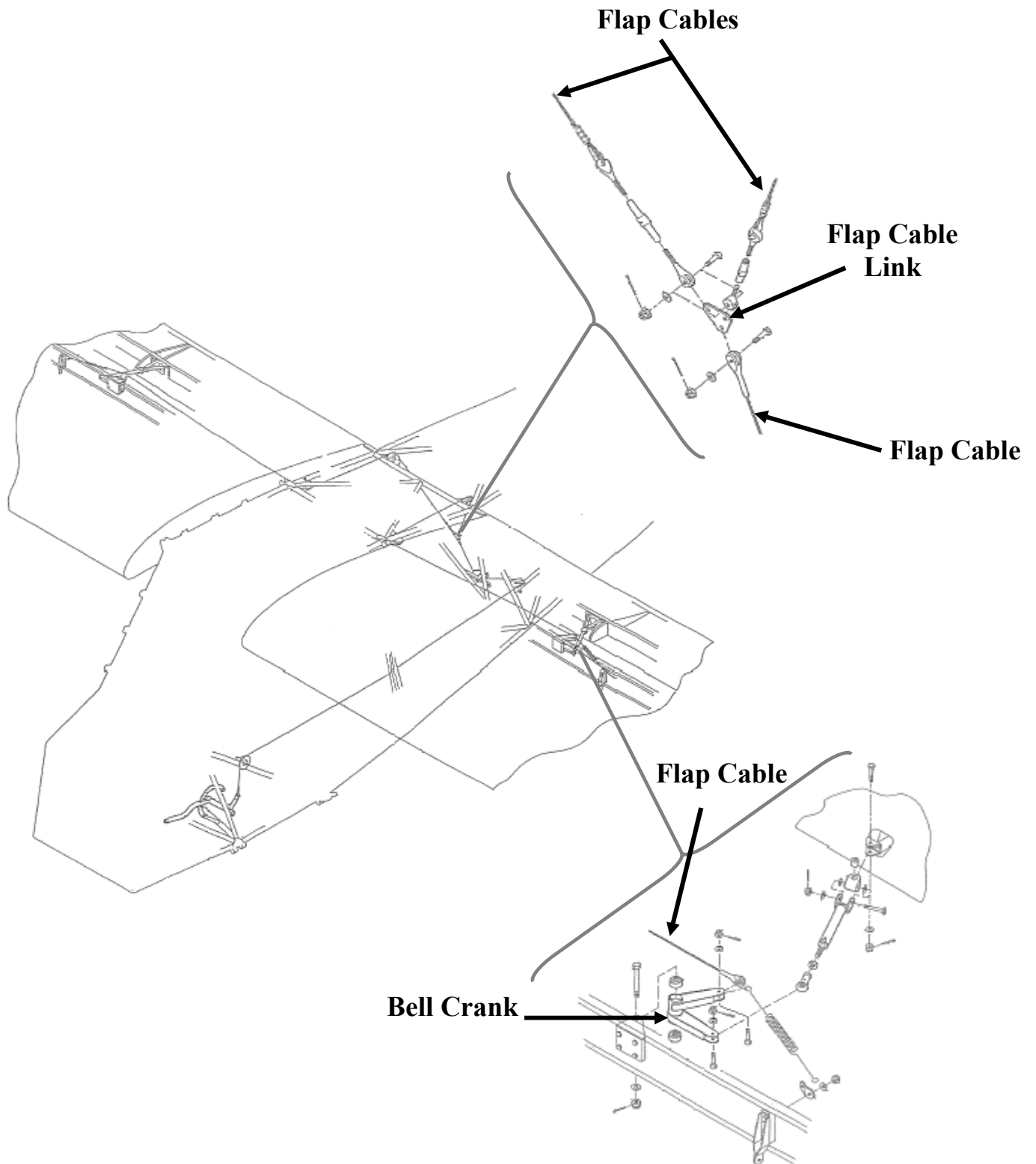
If it is found that the flap cable link is one of the defective parts, a new link should be installed. The parts required to replace the link are available from Aviat Aircraft Inc. by requesting Kit# A-1B-521 and are as follows:

PART	PART NUMBER	QUANTITY
Flap Cable Link	35064-001	1
Cotter Key	55675	3
Bolt	50050	3
Washer	58750	3
Castle Nut	54375	3
Service Bulletin	SB#21	1

PROCEDURE

1. Undo the 5 cam locks and remove the left side access door and open the battery door.
2. Remove the bell crank access panels on the top of the wings (8 screws each, 1 on each wing).
3. On both sides of the airplane, disconnect the flap cable that attaches to the bell crank. This will release the tension in the cables.
4. Remove the cotter keys, bolts, nuts, and washers that attach the cables to the flap cable link (3 each) and remove the flap cable link.
5. Install a new flap cable link with new bolts, nuts, washers, and cotter keys (3 each).
6. Use 2 people to reconnect the flap cables. Have one person connect the cables to the bell cranks while the other person checks to make sure that the cables stay on the pulleys.
7. Close the battery door, attach the left side access door (5 cam locks), and attach both bell crank access doors on the tops of the wings (8 screws each).

Figure 1 Flap System Diagram



COMPLIANCE LETTER

This is to certify that I have inspected the Flap Cable Link in accordance with Service Bulletin No. 21. Results are shown below.

Flap Cable Link Thickness	Flap Cable Link Replaced
_____ inches	YES ____ NO ____

Aircraft: Husky A-1B

Serial Number: _____

Registration Number: _____

Date: _____

Aircraft Hours: _____

Signed: _____

Return completed letter to:

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

Send a copy to:

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