

Lake Central Air Services
Stabilizer Fitting LC-2200-21
Instructions for Continuing Airworthiness

Document: MS-LC-2200-21

Revision: B

Date: August 26 2005

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Record of revisions

Revision number	Effective date for new revision	Data of withdrawal of previous revision	Person making revision	Organization
A	August 10 2005	August 10 2005	Jim Watson	DAR# 315
B	August 26 2005	August 26 2005	Jim Watson	DAR# 315

Note: This ICA is revised by entire replacement only. All pages are at the same revision status, and are in effect as shown in the table above.

1.0 Introduction

- 1.1 The Lake Central Aircraft Services Lake Amphibian stabilizer fitting is an STC approved replacement part for the OEM part. The LCAS part is made from 4130 alloy steel, and cadmium plated and epoxy primed for corrosion protection. Its installation provides improved service life, and greater fatigue and damage resistance for the horizontal stabilizer structure. As the LCAS part is steel, it will provide superior service life when compared to the original part, which is made from aluminum.
- 1.2 There are no special terminology or precautions associated with the installation or maintenance of this product
- 1.3 There are no special tools associated with the installation or maintenance of this product
- 1.4 The uninstalled LC-2200-21 may be stored indefinitely
- 1.5 Refer to Revo Inc. Service Bulletin B-78, dated April 03 1998. Compliance with these instructions is necessary to assure an airworthy installation. Please refer to Revo Inc. Service Bulletin B-78, dated April 03 1998, a copy of which is supplied with this kit.
- 1.6 This ICA is distributed with the parts at the time of first sale. Future amendments of this document will be available upon request from LCAS.

2.0 Installation & removal instructions

- 2.1 Eligibility for the LC-2200-21 is: Colonial C-1, C-2, Lake LA-4, LA-4P, LA-4-200 LA-4A
- 2.2 Installation and removal is to be accomplished in accordance with Installation instructions: CI-LC-2200-21, Revision B, dated August 26 2005, or later approved revision. Note that a removed part may not be reinstalled.
- 2.3 Adjustments, checks & tests of higher assembly after installation or removal of LC-2200-21 are accomplished in accordance with prevailing Lake maintenance publications.

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3.0 Maintenance Requirements

- 3.1 Aircraft equipped with The Lake Central Aircraft Services stabilizer fitting LC-2200-21 are to be inspected as follows: annually, or at each 100 hour service interval (which ever occurs first):
- 3.2 Verify the installing agency has provided the clearance as required by Revo Inc. SB78 dated April 03 1998.
- 3.3 Remove stabilizer inspection panels, and visually inspect the doublers inside the stabilizer for damage, loose rivets, and evidence of cracks in the doubler.
- 3.4 If any cracks are suspected, clean and remove the paint from the part, and inspect further in place, as described in AC43.13-1B, Paragraphs 5-60 through 5-64. If the fitting or doubler are found to have any crack, the affected part is to be replaced with a new part prior to further flight. Should any refinishing be necessary use Aerospace Commercial & Industrial Coatings, Starpoxy TM420, N381-8006 DHMS C4.01 Type 2 Grade A epoxy primer or Randolph Rand-O-Plate epoxy primer product No. RANB6433. Retorque bolts using torque wrench on bolt head. Grease bolt shank but keep grease off of threads. Torque to 200 in. lbs.
- 3.5 There are no overhaul tasks associated with this approval.
- 3.6 There is no Table of fits & limits, associated with this approval
- 3.7 There is no repair / rework of damaged areas permitted for the LC-2200-21.
- 3.8 The following parts only need inspection when exposed: none.
- 3.9 There are no specialized maintenance techniques associated with the installation or maintenance of this product
- 3.10 There are no associated specialized inspection techniques with the installation or maintenance of this product
- 3.11 There are no special treatments after maintenance associated with the installation or maintenance of this product. Protect exposed metal surfaces as described in prevailing Lake maintenance publication.
- 3.12 There is no testing of the LC-2200-21 after maintenance.

4.0 Diagrams, drawings, illustrations

- 4.1 Refer to LCAS drawing LC-2200-21, Page 4 of 4 Dated July 06 2005, or later approved revision.

5.0 Electrical

- 5.1 Electrical not applicable

6.0 Troubleshooting

- 6.1 There is no troubleshooting associated with the LC-2200-21

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7.0 Airworthiness limitations

There are no additional Airworthiness limitations associated with the installation of a Lake Central Aircraft Services stabilizer fitting LC-2200-21.

The Airworthiness Limitations Section is FAA approved and specifies maintenance required under 14 CFR 43.16 and 91.403 unless an alternative program has been FAA approved.

8.0 Placards & Markings

- 8.1 There are no placards or markings required with the installation of the LC-2200-21

9.0 Structure

- 9.1 The structural repairs associated with the installation LC-2200-21 are limited to those specified in the installation instructions. No other repairs are approved.

The preceding constitutes the entire ICA for the LC-2200-21
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