



Installation Instructions
Instructions for Continued Airworthiness
Direct Replacement Front and Rear Struts for Maule Aircraft.

Document No. AF2201E-ICA
P/N AF2200E, AF2201E

Aircraft Serial Number: _____

These instructions are to be included in the airplane Maintenance Material when the Airframes Alaska replacement struts are installed.

The information contained in this manual supplements or supersedes the type design data only in those areas listed herein. For maintenance practices and procedures, not contained in this document, consult the maintenance material, or other information that was required by the applicable regulations under which the airplane was type certificated.

REVISION RECORD

Revision	Description	Date
--	Original	10/20/14
A	Added Sections 2.2, 2.3	7/21/15

*This document will be updated in entirety when revisions are incorporated.

SECTION 1: GENERAL

The Airframes Alaska struts for Maule aircraft are direct replacement sealed struts that replace Maule part numbers as shown below.

	Airframes Alaska P/N	Maule Aerospace Technologies P/N
Front Strut	AF2201E	2201E
Rear Strut	AF2200E	2200E

SECTION 2: INSTALLATION, REMOVAL AND SERVICING INFORMATION

2.1 Installation, Removal, and Inspection

This part is a direct replacement part for the original component. Except as described below, refer to the manufacturer's maintenance manual for installation, removal and inspection information.

2.2 Forks

Paint may have built up on the fitting where the strut attaches to the fuselage and increased the thickness. Ensure the strut fork slides over fuselage fitting without the ears stretching apart by removing paint buildup as necessary.

CAUTION! FORK THREAD ENGAGEMENT:

THERE MUST BE AT LEAST 1.125 INCHES OF THREAD ENGAGEMENT INTO THE STRUT.

2.3 Fairings

The Airframes Alaska replacement rear strut has a slightly larger profile than the original factory part. If strut fairings are used, some minor trimming and adjustment of the fairings may be required to allow a proper fit with the strut.

SECTION 3: AIRWORTHINESS LIMITATIONS

The Airworthiness Limitations Section is FAA approved and specifies maintenance required under Secs. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

No additional airworthiness limitations are added.

SECTION 4: PARTS LIST

P/N	Description
AF2201E	Front Strut Assembly
AF2200E	Rear Strut Assembly
AF89201-2	Strut Fork
-	5/8-18 Stainless Steel Jam Nut
-	Door Stop Cap

For replacement parts, please use the contact information below.

SECTION 5: DOCUMENT DISTRIBUTION

Copies of this ICA document will be distributed to all known purchasers of the replacement struts. Replacement copies and the latest revision of this document are available at the Airframes Alaska Website or by contacting us using the information below.

WEBSITE: www.airframesalaska.com

To request a paper or electronic copy to be sent to you please contact:

Airframes Alaska
PO Box 670989
20130 Birchwood Loop Spur
Chugiak, AK 99567

Phone: 907-331-4480