

Maule Aircraft Corporation

6780 BROOKLYN ROAD

JACKSON, MICHIGAN - 49201

PHONE KE6-8642

AREA CODE 517

February 19, 1968

Service Letter #14
Subject: Modification of Rudder Trim Tab Hinges
Models & Serial Numbers Affected:

M-4, S/N 3 thru 94
M-4C, S/N 1C thru 10C
M-4S, S/N 1S thru 3S
M-4T, S/N 1T thru 3T
M-4-210, S/N 1001 thru 1045
M-4-210C, S/N 1001C thru 1064C
M-4-220S, S/N 2001S
M-4-220C, S/N 2001C thru 2006C

Dear Customer:

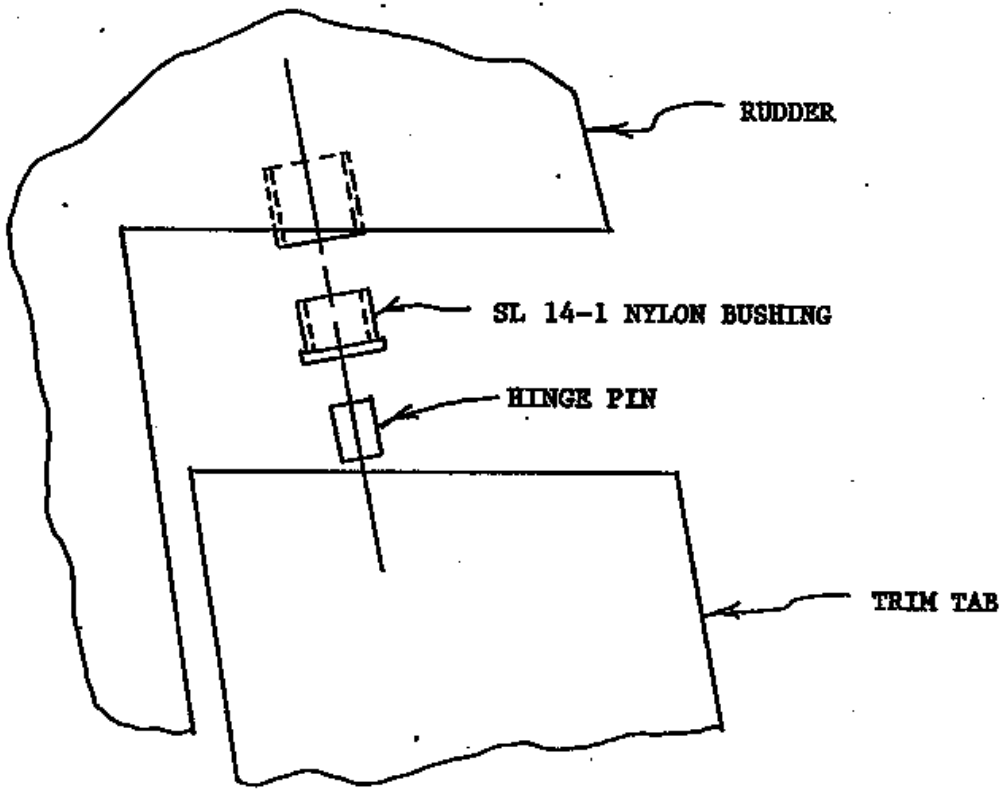
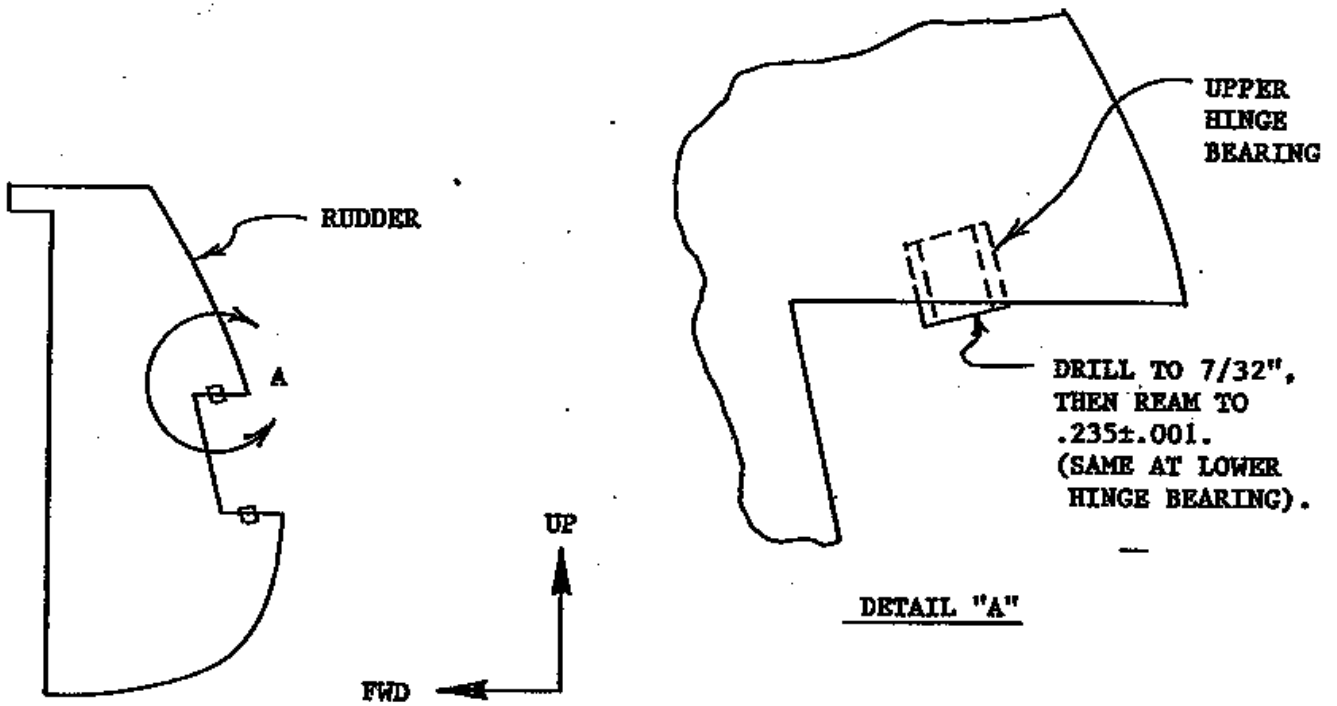
There have been instances of the rudder trim tab hinges corroding and seizing due to lack of adequate lubrication. To preclude such a condition, modify the hinge assemblies as detailed below and as shown on the attached sketch:

1. Remove the rudder trim tab from the airplane by removing screws from:
 - (a) The upper hinge pin block for aircraft with metal skin trim tabs, or
 - (b) Lower hinge pin block for aircraft with fabric tab.
2. Drill both upper and lower tab hinge bearings (on rudder frame) to $7/32"$. Then ream out to $.235" \pm .001$, carefully maintaining the hinge line alignment. See Detail A.
3. Install the nylon bearings (Part Number SL 14-1) by pressing them into the reamed bearings.
4. Clean and lubricate the trim tab hinge pins.
5. Install the trim tab to the rudder in reverse order of Instruction #1. Adjust trim tab for full travel of 52° left and 52° right $\pm 4^\circ$.
6. Complete the enclosed Service Letter Compliance Card and mail it to the Maule Aircraft Corporation:

MAULE AIRCRAFT CORPORATION


B. D. Maule, President

(AD#68-07-08)



VIEW OF REVISED INSTALLATION

MAULE AEROSPACE TECHNOLOGY, INC.

SERVICE LETTER #14 - COMPLIANCE RECORD

Airplane Serial Number _____

Airplane Registration Number _____

The following action was taken with respect to this Service Letter:



Service Letter #14 completed

Certified by _____

(Signature)

(Printed name)

Title _____

(Owner, A&P, IA, etc.)

Date performed _____

In an effort to keep our mailing list current for sending Service Letters, Service Bulletins, etc., please fill in the following:

Owner's name _____

Owner's address _____

Mail this Compliance Record to: Maule Aerospace Technology, Inc.
Engineering Records
Spence Field
Moultrie, GA 31768