



SUBJECT: Empennage Trim Fitting And Mounting Hardware Inspection

MODELS/ SN AFFECTED: ALL Mooney M20B - M20C - M20D , M20E - M20F - M20G - M20J - M20K  
M20L, M20M, M20R, M20S, M20TN

TIME OF COMPLIANCE: **WITHIN NEXT 10 FLIGHT HOURS - UNLESS ALREADY ACCOMPLISHED**  
**This is a one time inspection**

INTRODUCTION: There have been reports in the field of the trim filler plate mounting (stacked with the trim fitting and trim hinge) positioned incorrectly on the M20J, M20R and M20TN Mooney Airplanes. We are issuing this Service Bulletin because we evaluated all the relevant information and determined the unsafe condition described in SB M20-313 (initial release) is likely to exist in other products of the same type design. This will require an inspection and corrective action taken. **The attached compliance card needs to be filled out and returned to Mooney Aviation Company upon completion of this Service Bulletin M20-313A.**

INSTRUCTIONS: **Read entire procedures before beginning work.**

- 1.1. Turn master switch - OFF.
- 1.2. Remove LH and RH empennage fairing refer to Figure M20-313-1.
- 1.3. Visually inspect the position of the filler plate as shown in Figure M20-313-1.
- 1.4. If the trim fitting, hinge and filler plate are found to be in the "Correct" position as shown in Figure M20-313-1, continue to steps 1.6 of this bulletin.
- 1.5. If the trim fitting, hinge and filler plate are found to be in the "Incorrect" position as shown in Figure M20-313-1, DO NOT FLY - Please contact Mooney Technical Support at 830-896-6000 or email [technicalsupport@mooney.com](mailto:technicalsupport@mooney.com) for further instructions.
- 1.6. Remove LH inspection panel on empennage assembly, refer to Figure M20-313-1.
- 1.7. Visually inspect all 10 huckbolts to insure no signs of movement, retaining collar properly swedged and visually verify pin protrusion (use inspection mirror for lower bolts). Make sure all hardware is secure, bolts and collars should not rotate with finger pressure, hinge assembly should not move on bulkhead - refer to Figure M20-313-1.
- 1.8. If the hardware is found to be "secure" - continue to steps 1.10 of this bulletin.
- 1.9. If the hardware is found to be "insecure" - DO NOT FLY - Please contact Mooney Technical Support at 830-896-6000 or email [technicalsupport@mooney.com](mailto:technicalsupport@mooney.com) for further instructions.
- 1.10. Reinstall LH inspection panel on empennage assembly.
- 1.11. Reinstall LH and RH empennage fairing.
- 1.12. Complete log book entry.



**NOTE:**

**Fill out compliance card and send by MAIL or FAX to Mooney Aviation Company as indicated on the attached Compliance Card (see to Figure M20-313-2)**

1.13. Return aircraft to service.

1.14. Procedure complete.

WARRANTY: Mooney Aviation Company, Inc. will warrant labor 1 hour when corrective action is done in accordance with procedures of this Service Bulletin for aircraft currently covered under the Mooney Aviation Company, Inc. factory warranty program.

REFERENCE DATA: 1. MAC Maintenance Manual (applicable A/C)

PARTS LIST: Not applicable for this inspection

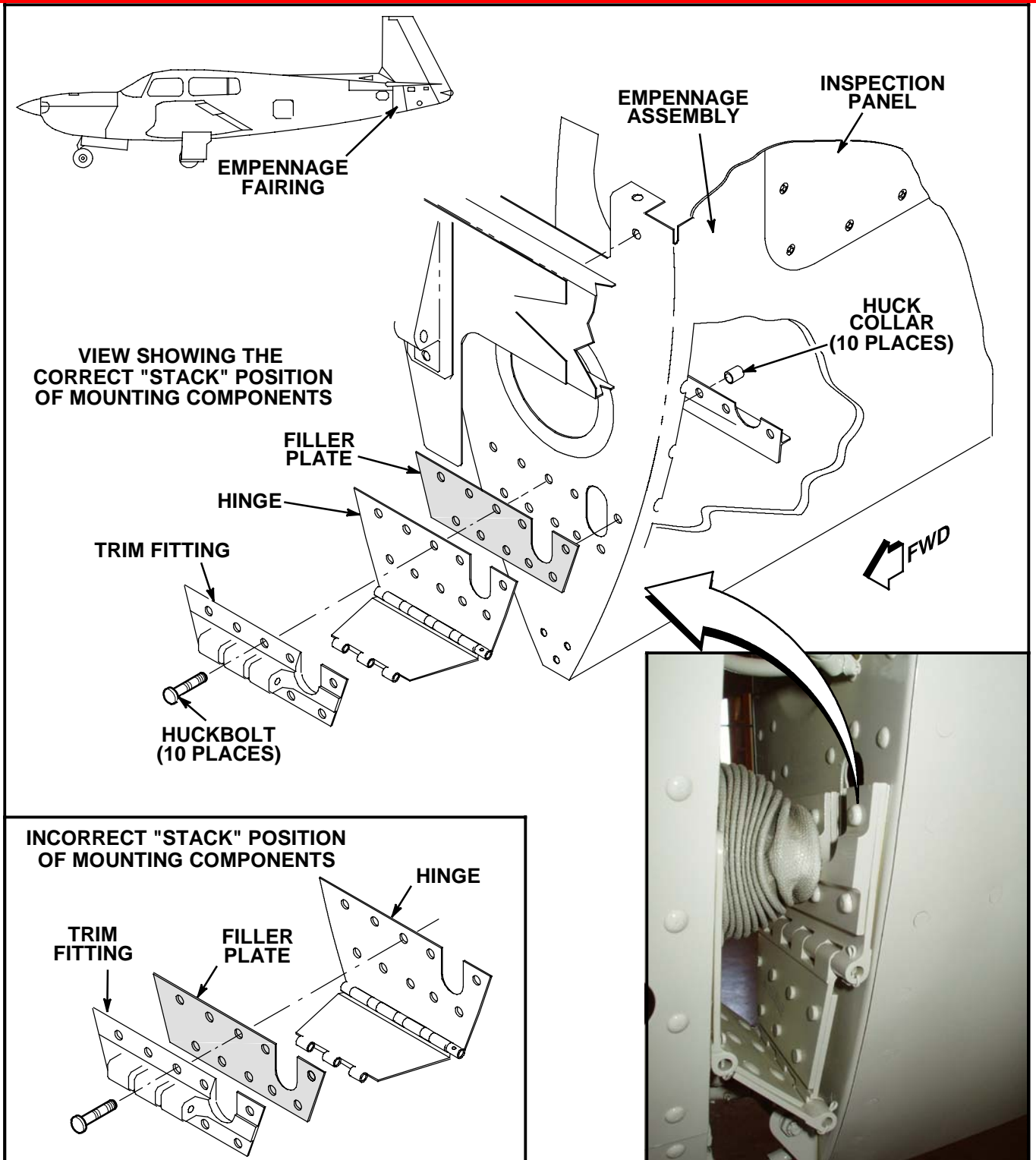


Figure SB M20-313-1 - EMPENNAGE TRIM FITTING AND MOUNTING HARDWARE



**MOONEY AVIATION COMPANY**  
KERRVILLE, TEXAS 78028 - FAX to 830-257-4635

SERVICE (BULLETIN) (INSTRUCTION) NO. \_\_\_\_\_ HAS BEEN COMPLIED  
WITH ON AIRCRAFT MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_

Tach. Time: \_\_\_\_\_ N-Number \_\_\_\_\_ (Reg. No.)  
Date of Compliance: \_\_\_\_\_  
Owner: \_\_\_\_\_ Complied By: \_\_\_\_\_

Inspection Report: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Form 07-0001

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PLACE  
STAMP  
HERE

**MOONEY AVIATION COMPANY**  
ATT'N: TECHNICAL SUPPORT  
165 Al Mooney Road, North  
Kerrville, Texas 78028

**SEND TO:**  
Mooney Aviation Company  
165 Al Mooney Road North  
Kerrville, TX 78028

**Figure SB M20-313-2 - Compliance Card**