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SUBJECT: Temporary Replacement of Icing System Stall Strip

MODELS/ SN  
AFFECTED: Mooney Aircraft with Known Icing System Installed

TIME OF  
COMPLIANCE: **AS SOON AS PRACTICABLE**

INTRODUCTION: For instances involving missing icing system stall strips, airplanes are grounded. To remedy this situation, a temporary non-icing system stall strip can be installed in place of the icing stall strip to allow the aircraft to operate as a "Not Certified for Flight in Known Icing Conditions" aircraft until the icing strip can be installed. This Service Bulletin is to provide instructions for installing the temporary stall strip. **The attached compliance card needs to be filled out and returned to Mooney International Corporation upon completion of this Service Bulletin M20-322.**

**WARNING:**

**Flight into known icing conditions and the use of the aircraft's icing system is prohibited until the permanent icing system stall strip can be installed. This Service Bulletin only allows for a temporary non-icing stall strip to be installed for temporary flight until the permanent icing stall strip can be obtained.**

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

**INSTALLING TEMPORARY STALL STRIP:**

- 1.1. Disable and secure circuit breaker to prevent accidental operation of icing system.
- 1.2. Remove all old sealant and thoroughly clean the porous surface of the wing where the temporary stall strip is to be installed. Acceptable cleaning solvents are listed below.

**NOTE:**

**The primary factor affecting the adhesion of the stall strip is absolute cleanliness of the porous panel. It is necessary that this panel be completely clean before installing a new stall strip.**

**WARNING:**

**Do not use MEK (Methyl Ethyl Ketone) to clean titanium panels. Discoloration will result. Porous panels contain plastic parts which will be damaged by some solvents including MEK and some paint thinners.**

**ONLY the following solvents are permitted for cleaning porous panels:**

- Water (with soap or detergent)
- De-icing Fluids (TKS 80, TKS R238, DTD 406B)
- Isopropyl or Ethyl Alcohol
- Aircraft Fuels (Gasoline or Kerosene)

- 1.3. Prepare temporary stall strip. (See Figure M20-322-1)
  - a.) Determine the location on the stall strip where the TKS feeder tube will enter the stall strip.
  - b.) Create a notch in this location using a die grinder to allow feeder tube provision.
  - c.) Deburr and smooth the notch to ensure no rough edges scrape or cut into the TKS feeder tube.



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- 1.4. Place PN 210241-007 temporary stall strip on leading edge at stations shown in Figure M20-322-1. Attach securely with two (2) strips of ½" aluminum tape for test flights.
- 1.5. Adjust stall strip so that, during stall recovery, normal use of flight controls should prevent the following:
  - a.) More than 15° roll
  - b.) More than 15° yaw
  - c.) More than 30° pitch below flight level

**NOTE:**

**Make sure porous panel surface is completely clean before using sealer.**

- 1.6. Once the temporary stall strip has been adjusted to the above conditions:
  - a.) Mark the desired location of the stall strip.
  - b.) Remove the stall strip.
  - c.) Apply masking tape onto the porous panel around the stall strip marks to avoid getting excess sealer on the porous panel. (See Figure M20-322-1)
- 1.7. Secure temporary stall strip using CS3204B2 sealer as required.
- 1.8. Place PN M20-322-002 decal adjacent to TKS control panel under the Windshield Anti-Ice decal. (See Figure M20-322-2)

**NOTE:**

**Fill out compliance card and send by MAIL or FAX to Mooney International Corporation as indicated on the attached Compliance Card. (See Figure M20-322-3)**

- 1.9. Return aircraft to service.
- 1.10. Procedure complete.

WARRANTY: N/A

REFERENCE DATA: 1. Mooney Service and Maintenance Manual (applicable A/C)  
2. TKS Installation Manual 08153-01

PARTS LIST: Refer to Mooney Service Parts Department for part procurement.

Parts Kit P/N: **Service Bulletin Kit M20-322-001 (Temporary Stall Strip)**

<u>Item</u>	<u>P/N</u>	<u>Description</u>	<u>Qty</u>
1.	210241-007	TRIGGER, STALL STRIP (WITHOUT HOLES)	1
2.	M20-322-002	DECAL	1

**Note: The following items are to be supplied as required by the shop performing the work.**

<u>Item</u>	<u>P/N</u>	<u>Description</u>	<u>Qty</u>
1.	ALUMINUM TAPE	½" ALUMINUM TAPE	AR
2.	MASKING TAPE	MASKING TAPE	AR
3.	CS3204B2	SEALER	AR



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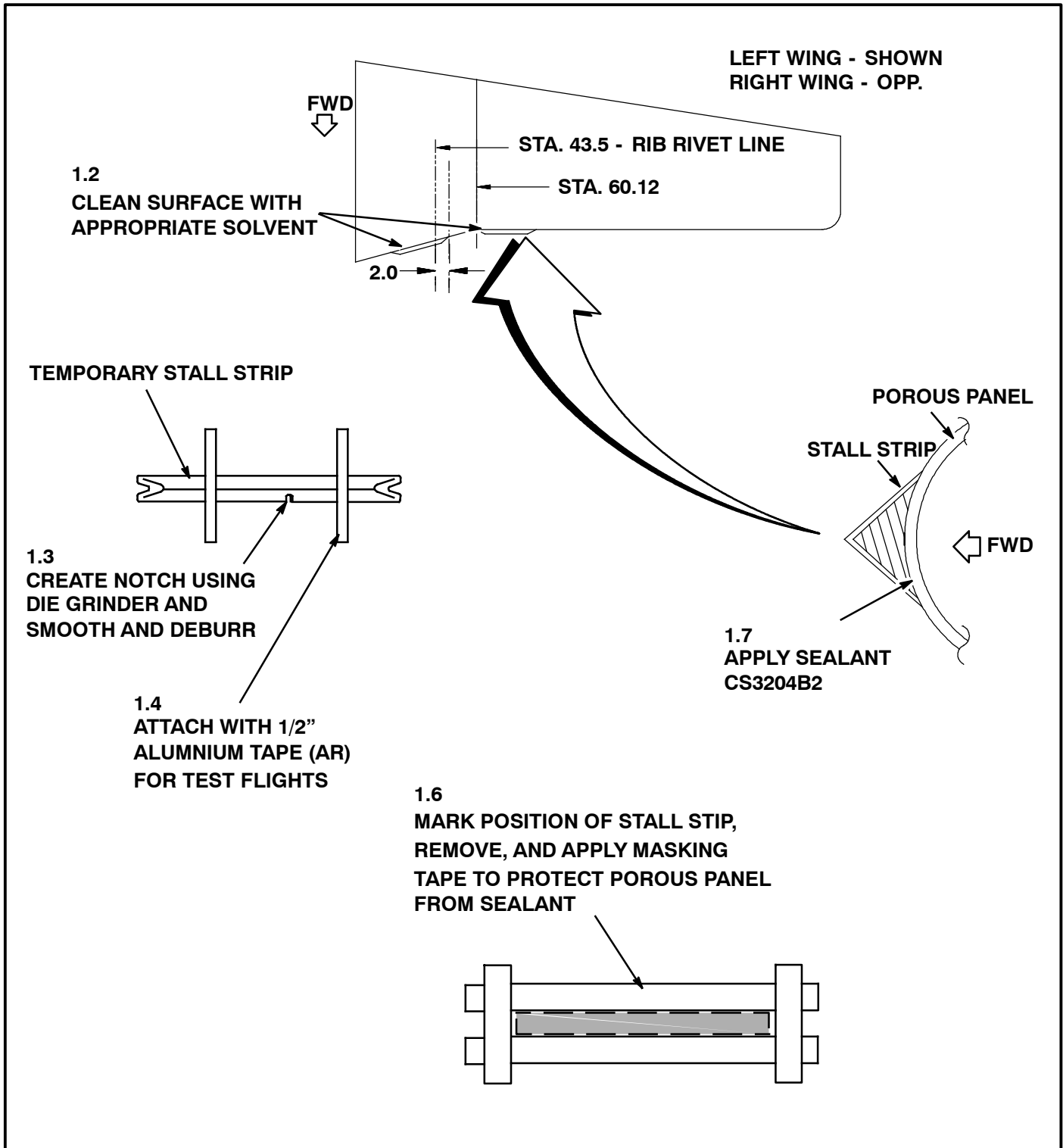


Figure SB M20-322-1 - TEMPORARY STALL STRIP INSTALLATION



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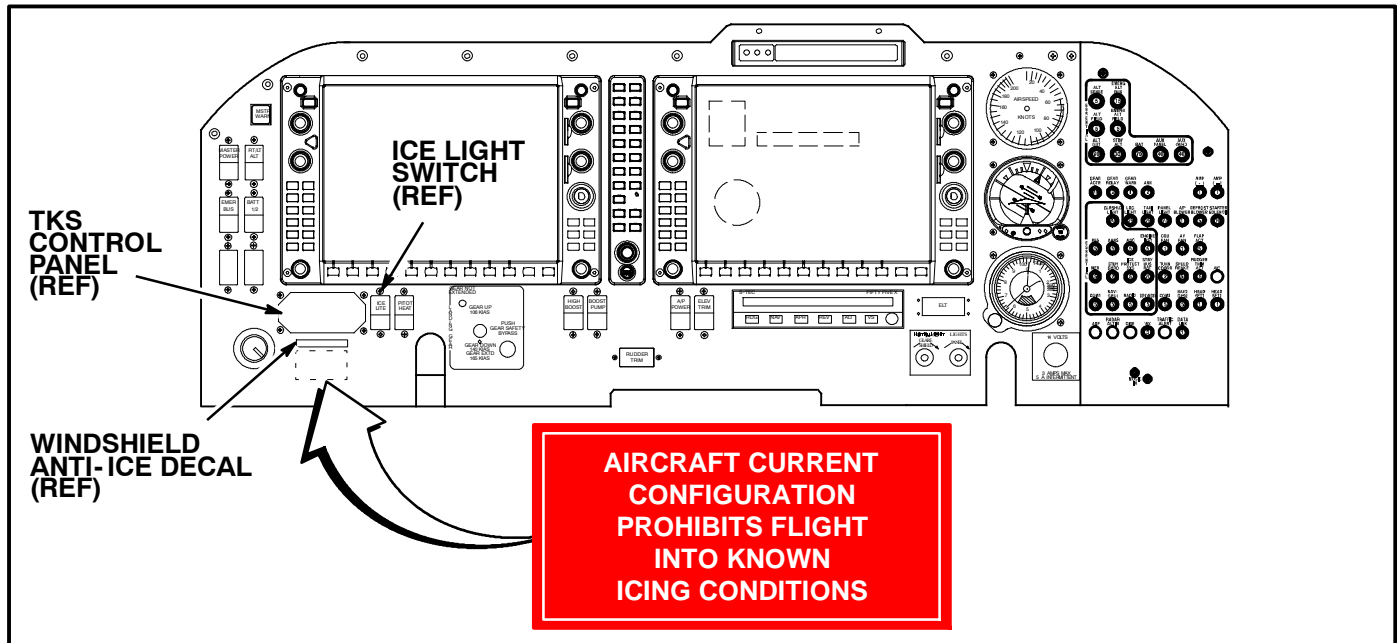


Figure SB M20-322-2 - PLACEMENT OF M20-322-002 DECAL ON INSTRUMENT AND CONTROL PANEL



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**MOONEY INTERNATIONAL CORPORATION**  
KERRVILLE, TEXAS 78028 - FAX 830-257-4635

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

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

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

Form 07-0001

PLACE  
STAMP  
HERE

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

**SEND TO: Mooney International Corporation**  
165 Al Mooney Road North  
Kerrville, TX 78028  
FAX: (830) 257-4635 or EMAIL [support@mooney.com](mailto:support@mooney.com)

**Figure SB M20-322-3 - Compliance Card**