



# MOONEY INTERNATIONAL CORPORATION, INC.

COVER LETTER - SB M20-323

Date: 3/17/2016

**To all Mooney International Customers affected by Service Bulletin M20-323 dated March 4, 2016,**

It has been brought to our attention, and discovered in the field during routine maintenance that an M20TN Acclaim had an improper propeller governor gasket installed between the propeller governor and the mounting pad. (mentioned in Service Bulletin M20-323).

This Service Bulletin is to provide instructions for inspecting the aircraft to determine whether the correct gasket is installed and to provide instructions on replacing the gasket if it is found to be incorrect.

For your convenience, your local Mooney Service Center can order parts through the Mooney Parts Network.

**TIME OF COMPLIANCE: as stated in SB M20-323**

This will be a 1-time inspection within the next 25 flight hours

**WARRANTY COVERAGE: as stated in SB M20-323**

The following labor will be allowed for all mentioned aircraft within warranty coverage, as above; Inspection of propeller governor: 1.0 hours

Additional time allowed if prop governor must be removed to comply to this SB M20-323: Please contact Mooney Warranty Department at support@mooney.com if this is required.

Mooney has Stated Claims for warranty coverage for compliance with this bulletin will be accepted only through June 1st, 2016 for all claims filed in accordance with the warranty criteria above.

Mooney always recommends work to be done by an authorized Mooney Service Center, but due to the simplicity of this Service Bulletin M20-323, Mooney Warranty will allow your local Service Center or A&P to perform the work and send in the Warranty Claim form found in this package. If there are any questions about this you can email support@mooney.com and the Warranty or Tech Support representative will contact you.

We apologize for any inconvenience caused by this recent Service Bulletin M20-323 and want thank everyone for their patience and understanding.

Mooney International Corporation, Inc  
165 Al Mooney Road North  
Kerrville, Texas 78028  
830-896-6000  
support@mooney.com



**THIS BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN**

SUBJECT: To verify installation of correct propeller governor gasket on M20TN model aircraft

MODELS/ SN  
AFFECTED: Mooney Aircraft M20TN Acclaim SNs 31-0128, 31-0133, 31-0134, 31-0135, and 31-0137

TIME OF  
COMPLIANCE: **ONE-TIME INSPECTION WITHIN NEXT 25 FLIGHT HOURS**

INTRODUCTION: It was discovered in the field during routine maintenance that an M20TN Acclaim had an improper propeller governor gasket installed between the propeller governor and the mounting pad. (See Figure SB M20-323-1) This Service Bulletin is to provide instructions for inspecting the aircraft to determine whether the correct gasket is installed and to provide instructions on replacing the gasket if it is found to be incorrect. **The attached compliance card needs to be filled out and returned to Mooney International Corporation upon completion of this Service Bulletin M20-323.**

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

**STEP 1 - INSPECTING THE EXISTING PROPELLER GOVERNOR GASKET:**

- 1.1. Remove top cowling.
- 1.2. Remove inspection cover above propeller governor.
- 1.3. Using an inspection mirror, perform a visual inspection of the propeller governor gasket located between the propeller governor and the mounting pad on the engine. (See Figures SB M20-323-2 and Figure SB M20-323-3) The correct gasket has a flap that extends above the propeller governor. If the top flap of the gasket is not visible, install gasket P/N MS9144- 01 using the following procedure.

**STEP 2 - INSTALLING THE NEW PROPELLER GOVERNOR GASKET:**

- 2.1. Turn master switch - OFF.
- 2.2. Remove top cowling (if not already removed) and the bottom cowling. Refer to M20TN Mooney Service and Maintenance Manual.
- 2.3. Locate the propeller governor and remove cotter pin, nut, bolt and washers from rod end at propeller governor control arm. (See Figure SB M20-323-4)
- 2.4. Remove bracket installed with propeller governor mounting bolts.
- 2.5. Disconnect control rod from governor control arm.
- 2.6. Remove governor mounting hardware, 4 existing nuts and washers to engine mounting pad. (See Figure SB M20-323-4)
- 2.7. Clean any debris from mounting pad and bottom of governor.
- 2.8. Wipe a thin film of DOW Corning #7 compound release agent or equivalent on both sides of new gasket (P/N MS9144- 01) before installation. Do not apply compound to filter screen.
- 2.9. Install new gasket (P/N MS9144- 01) with raised screen surface toward governor onto studs and engine block mounting pad. (See Figure SB M20-323-4)



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- 2.10. Position governor on mounting studs, aligning the governor splines and the splines of the accessory drive, making sure governor surface is flush against mounting pad.
- 2.11. Install all mounting hardware and torque to (80-90 in. Lbs.). Refer to M20TN Mooney Service and Maintenance Manual and to governor's service guide.
- 2.12. Connect governor control and verify rigging per M20TN Mooney Service and Maintenance Manual.
  - a.) Operate propeller control from cockpit to verify full travel of control arm in both directions, high RPM to minimum RPM stop.
  - b.) Inspect engine and propeller controls for free operation, full travel, proper connection (security) of cable housing swage at the HEAD tube and security of attachment.
- 2.13. Per M20TN Mooney Service and Maintenance Manual, after installation and rigging checks, perform engine "Run-Up" and inspect for leaks around governor mounting pad and newly installed gasket.
  - a.) Inspect propeller governor for evidence of leakage and mounting security.
  - b.) Recheck control cable assembly cushion.
- 2.14. Reinstall top and bottom cowling. Refer to M20TN Mooney Service and Maintenance Manual.
- 2.15. When all operations are found to be satisfactory according to M20TN Mooney Service and Maintenance Manual, enter compliance note into the log book and return aircraft to service.

**NOTE:**

**Fill out compliance card and send by MAIL, FAX or EMAIL to Mooney International Corporation as indicated on the attached Compliance Card (see to Figure M20-323-5).**

- 2.16. Procedure complete.

WARRANTY: APPROXIMATELY 1 LABOR HOUR

REFERENCE DATA: 1. M20TN Mooney Service and Maintenance Manual

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

Parts Kit P/N: **Service Bulletin Kit M20-323-001 (Propeller Governor Gasket Replacement)**

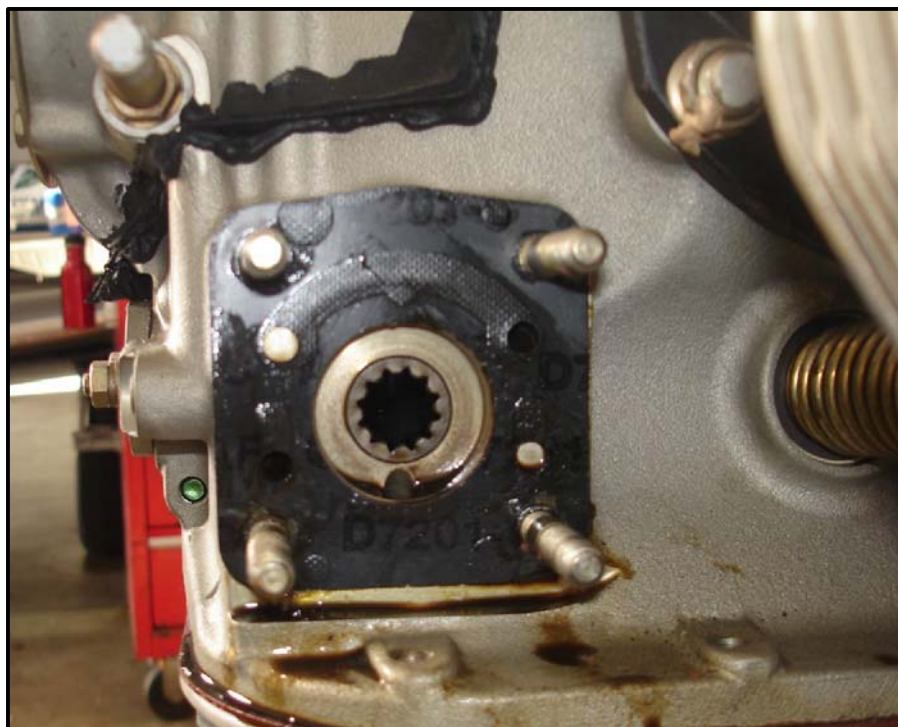
<u>Item</u>	<u>P/N</u>	<u>Description</u>	<u>Qty</u>
1.	MS9144- 01	GASKET	1
2.	AN3- 11	BOLT	1
3.	AN310- 3	NUT	1
4.	MS35333- 41	LOCK WASHER	4
5.	MS24665- 132	COTTER PIN	1

**Note: The following item is 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.	SEALER	DOW CORNING #7 COMPOUND	AR



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**Figure SB M20-323-1 - INCORRECT GASKET INSTALLED**



**Figure SB M20-323-2 - VERIFY CORRECT GASKET IS INSTALLED THROUGH INSPECTION HOLE**



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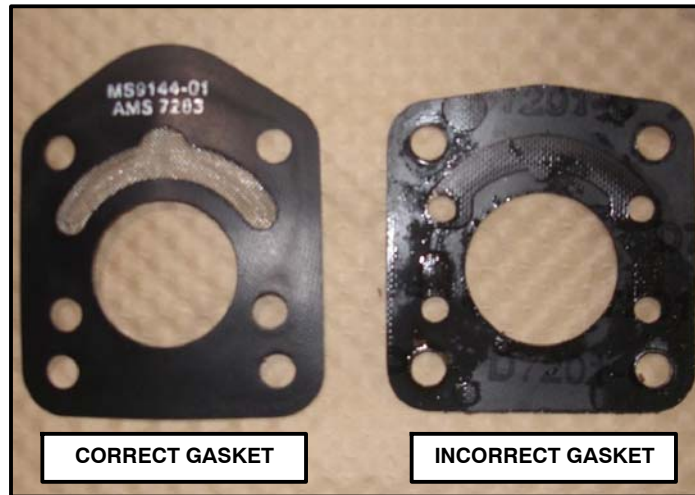


Figure SB M20-323-3 - VERIFY CORRECT GASKET IS INSTALLED

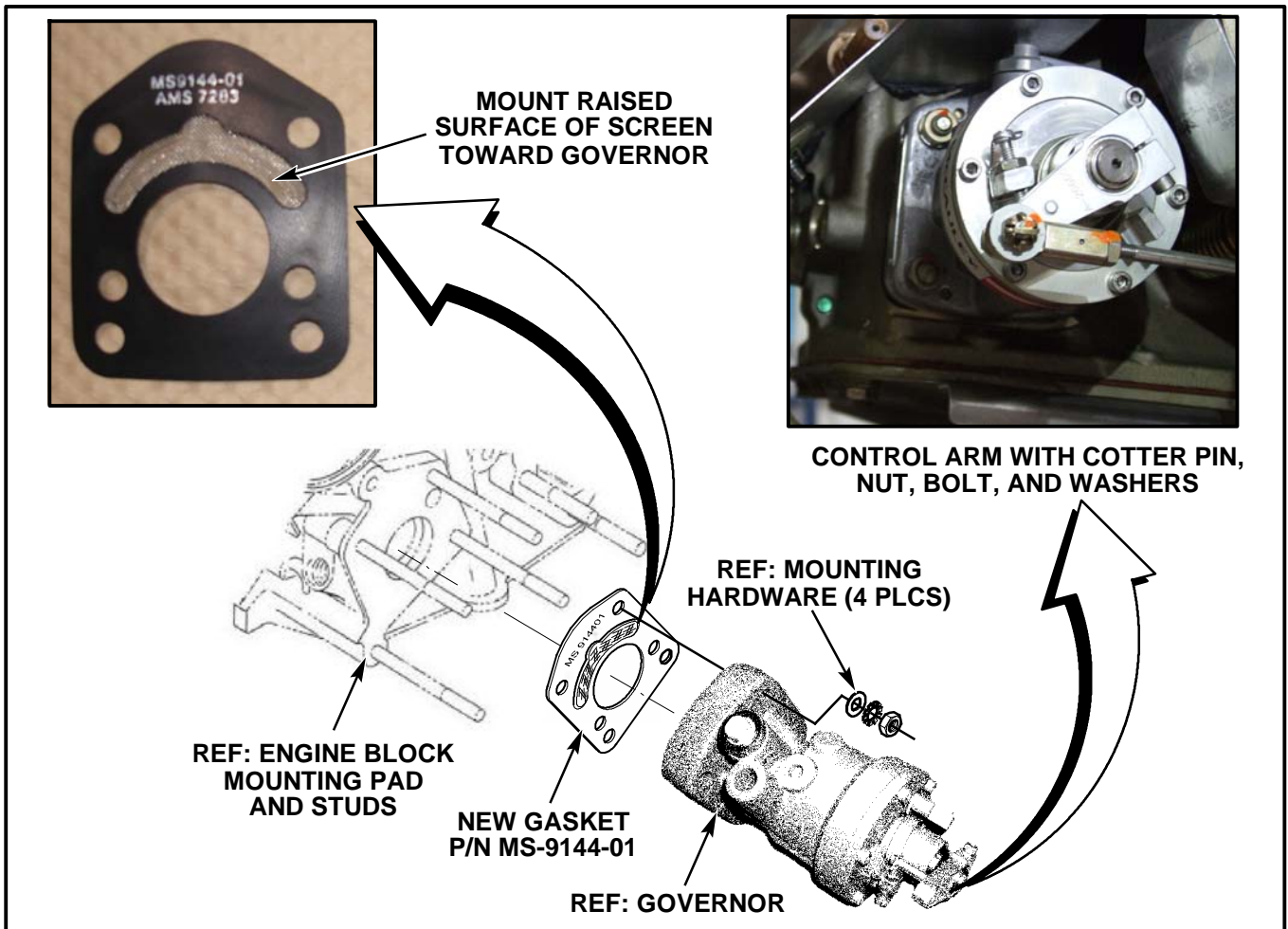


Figure SB M20-323-4 - GOVERNOR AND GASKET INSTALLATION





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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 M20-323-5 - Compliance Card**