SUBJECT: Mooney M20U and M20V Aircraft With Rudder/Brake Pedal Extensions Removed

MODELS/ SN AFFECTED: M20V - S/N 33-0006, 33-0009

TIME OF COMPLIANCE: Within next 10 Flight Hours

INTRODUCTION: Mooney International Corporation has found the Rudder/Brake pedal not functioning properly, when the Pilot or Co-Pilot pedal extensions are removed, and installing the fixed brake pedal rod P/N 915052-000 on M20U and M20V Aircraft. Mooney Engineering has determined the use of a brake pedal rod P/N 915057-503 is required when the pedal extensions are removed.

INSTRUCTIONS: Read entire procedures before beginning work.

NOTE: All work to be done in accordance with FAA AC43.13.

1.1. Turn the Master Switch off, and place aircraft on jacks per applicable Service and Maintenance Manual.

1.2. Remove engine cowling per applicable Service and Maintenance Manual.

1.3. On Pilot side, remove exhaust cavity panels from aircraft to access lower end of RH & LH rudder/brake pedal assembly, per applicable Service and Maintenance Manual.

1.4. Disconnect and remove both RH & LH 915025-000 rod assemblies at the pedal and at the bellcrank, remove from aircraft and discard, as shown in Figure SBM20-334-1.

   a. From Pedal side, remove MS20392-2C61 PIN, NAS1149F0363P Washers (2) and MS24665-132 Cotter Pin, discard and use new upon installation.
   
   b. From Pedal side, remove AN3-5A Bolt, NAS1149F0363P Washers and MS21042L3 Nut, discard and use new hardware upon installation.

   c. From Bellcrank side, remove MS20392-2C13 Clevis Pin, NAS1149F0332P Washer and MS24665-132 Cotter Pin, discard and use new hardware upon installation.

1.5. Install both RH & LH 915057-503 rod assemblies as shown in Figure SBM20-334-1.

   a. From Bellcrank side, install MS20392-2C13 Clevis Pin, NAS1149F0332P Washers and MS24665-132 Cotter Pin.

   b. From Pedal side, install MS20392-2C61 Pin, NAS1149F0363P, NAS1149F0316P (Thin) Washer and MS24665-132 Cotter Pin in front holes as shown in Figure SBM20-334-1.

   c. From Pedal side, install AN3-11A Bolt, NAS1149F0363P Washers and MS21042L3 Nut and torque per applicable Service and Maintenance Manual.

1.6. Repeat Steps on Co-Pilot Side.

1.7. Check brake pedal operation for smooth action and movement (no binding or sticking).

1.8. Install exhaust cavities on Pilot and Co-Pilot side of aircraft, seal cavities and removed skins with CS1900 Sealant, paint touch-up may be required, reference applicable Service and Maintenance and Illustrated Parts Catalog.

1.9. Re-Install engine cowling per applicable Service and Maintenance Manual.

NOTE: Fill out compliance card and send by MAIL or FAX to Mooney International Corporation as indicated on the attached Compliance Card. (See Figure SBM20-334-1)

1.10. Return aircraft to service.

1.11. Procedure complete.
THIS BULLETIN DOES NOT CHANGE AIRCRAFT TYPE DESIGN

**WARRANTY:** Mooney International Corporation will warrant labor 6 hours when inspection is done in accordance with procedures of this Service Bulletin for aircraft currently covered under the Mooney International Corporation factory warranty program.

**REFERENCE**
1. Applicable Mooney Service and Maintenance Manual
2. Applicable Mooney Illustrated Parts Catalog

**PARTS LIST:** Mooney International Corporation, Service Bulletin Parts Kit(s): **SBM20-334-001**

(Parts List shown is for 1 Side - order 2 kits for both Pilot and Copilot brake install)

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<th>Item</th>
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</tr>
<tr>
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<td>AN3-11A</td>
<td>Bolt</td>
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<td>NAS1149F0363P</td>
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<td>MS21042L3</td>
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<td>Washer (Thin)</td>
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<td>MS24665-132</td>
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<td>10</td>
<td>FLY0293</td>
<td>CS1900 Sealant (Pro Seal 700) 6 OZ.</td>
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</table>
PILOT SIDE SHOWN, CO-PILOT OPPOSITE

Figure SBM20-334-1 - REMOVING AND INSTALLING RUDDER/BRAKE PEDAL ROD
THIS BULLETIN DOES NOT CHANGE AIRCRAFT TYPE DESIGN

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: ____________________

Owner: _______________________

Date of Compliance: ______________

Complied By: ____________________

Inspection Report: ____________________

_____________________________

_____________________________

_____________________________

_____________________________

Form 07-0001

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

Figure SB M20-334-2 - Compliance Card