THIS BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN

SERVICE BULLETIN M20-311
Date: October 7, 2010

SUBJECT: Mooney M20TN - Exhaust Gas Temperature Probe Mounting

MODELS/ SN AFFECTED:
Mooney M20TN Acclaim and Type-S Aircraft (Serial Numbers 31-0004 thru 31-0128)

TIME OF COMPLIANCE:
WITHIN NEXT 10 FLIGHT HOURS

INTRODUCTION: There have been reports in the field of the EGT Probe mounting hole (#30 drill - .128") in Cylinders #1 and #2) were drilled oversized (.250") on M20TN Mooney Airplanes listed above. This will require an inspection and corrective action taken. The attached compliance card needs to be filled out and returned to Mooney Airplane Company upon completion of this Service Bulletin M20-311.

INSTRUCTIONS:

Read entire procedures before beginning work.

1.1 Turn master switch - OFF.

1.2 Remove top and bottom cowling per instructions provided in Chapter 71-10-00 of applicable MAC aircraft Service & Maintenance Manual.

1.3 Locate #1 (RH) EGT probe, remove safety wire retaining probe from clamp.

1.4 Loosen and remove clamp and #1 RH EGT probe, take care not to damage probe.

1.5 Install new sealing washer p/n (900006-1) between EGT probe and exhaust tube.

1.6 Re-install clamp around #1 RH exhaust pipe ensuring correct orientation of clamp tightening screw. Place probe tip into hole and tighten clamp to remove looseness.

1.7 Torque clamp to 30-35 in.lbs. and secure with safety wire to prevent loosening.

1.8 Locate #2 (LH) EGT probe, remove safety wire retaining probe from clamp.

1.9 Loosen and remove clamp and #2 LH EGT probe, take care not to damage probe.

1.10 Install new sealing washer p/n (900006-1) between EGT probe and exhaust tube.

1.11 Re-install clamp around #2 LH exhaust pipe ensuring correct orientation of clamp tightening screw. Place probe tip into hole and tighten clamp to remove looseness.

1.12 Torque clamp to 30-35 in.lbs. and secure with safety wire to prevent loosening.

1.13 Re-install top and bottom cowling per instructions provided in Chapter 71-10-00 of applicable MAC aircraft Service & Maintenance Manual.

NOTE:

Fill out compliance card and send by MAIL or FAX to Mooney Airplane Company as indicated on the attached Compliance Card (ref Figure M20-311-3)


1.15. Return aircraft to service.

1.16. Procedure complete

WARRANTY: Mooney Airplane 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 Airplane Company, Inc. factory warranty program.
REFERENCE: 1. MAC Maintenance Manual (applicable A/C)
DATA: 2. TCM M-18 Maintenance and Overhaul Manual
PARTS LIST: Mooney Airplane Company, Inc.,

Parts Kit P/N: M20-311-001

<table>
<thead>
<tr>
<th>Item</th>
<th>P/N</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>900006-1</td>
<td>Washer</td>
<td>2</td>
</tr>
</tbody>
</table>

Figure SB M20-311-1 - EXHAUST GAS TEMPERATURE PROBE LOCATION

Figure SB M20-311-2 - EXHAUST GAS TEMPERATURE PROBE AND COMPONENTS
MOONEY AIRPLANE COMPANY
KERRVILLE, TEXAS 78028 - 1-800-331-3880

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

<table>
<thead>
<tr>
<th>Tach. Time:</th>
<th>N-Number (Reg. No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner:</th>
<th>Date of Compliance:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Complied By:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inspection Report:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Form 07-0001

MOONEY AIRPLANE COMPANY
ATT’N: TECHNICAL SUPPORT
165 Al Mooney Road, North
Kerrville, Texas 78028

SEND TO:
Mooney Airplane Company
165 Al Mooney Road North
Kerrville, TX 78028
OR FAX: (830) 257-4635

Figure SB M20-311-3 - Compliance Card