THIS BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN

SERVICE BULLETIN M20-309
Date: August 11, 2009

SUBJECT: Mooney M20TN Aircraft with TSIO-550-G( ) Series Engines

MODELS/ SN AFFECTED: Mooney M20TN Acclaim and Type-S Aircraft (Serial Numbers 31-0001 thru 31-0127)

TIME OF COMPLIANCE: AT NEXT SCHEDULED ANNUAL INSPECTION, BUT WITHIN NEXT 100 FLIGHT HOURS, THEN AT EVERY 100 FLIGHT HOURS THEREAFTER.

INTRODUCTION: There has been a reported incident of the exhaust transition tubes (LH/RH) cracking and/or showing signs of fatigue deformation. This will require an inspection and replacement of any part exhibiting damage. Contact - Teledyne Continental Motors at www.genuinecontinental.aero/ for replacement parts. The attached compliance card needs to be filled out and returned to Mooney Airplane Company upon completion of this Service Bulletin M20-309.

INSTRUCTIONS:

Read entire procedures before beginning work.

1.1. Turn master switch - OFF.

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

1.3. Locate and Inspect each side of exhaust assembly transitions for cracks or fatigue deformation as shown in figure SB M20-309-1.

1.4. Any parts found to exhibit damage, contact Teledyne Continental Motors (TCM) for replacement parts, refer to www.genuinecontinental.aero/ for contact numbers.

NOTE:

Fill out compliance card and send by MAIL or FAX to Mooney Airplane Company as indicated on the attached Compliance Card (ref Figure M20-309-2)

1.5. Replace part(s) according to Appendix B specifications of the latest TSIO-550 Service and Maintenance Manual.

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

1.7. Complete log book entry.

1.8. Return aircraft to service.

1.9. Procedure complete

WARRANTY: N/A - Contact - Teledyne Continental Motors at www.genuinecontinental.aero/

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

DATA: 2. TCM Service and Maintenance Manual

PARTS LIST: Mooney Airplane Company, Inc., Parts Kits: Contact - Teledyne Continental Motors at www.genuinecontinental.aero/
CHECK FOR CRACKS OR FATIGUE DEFORMATION IN TRANSITION TUBE
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Form 07-0001

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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 M20-309-2 - Compliance Card