SUBJECT: LANDING GEAR ACTUATOR CIRCUIT BREAKER REPLACEMENT, 24 VOLT AIRCRAFT


TIME OF COMPLIANCE: AT NEXT SCHEDULED MAINTENANCE OR SOONER, AT OWNERS CONVENIENCE.

INTRODUCTION: To provide increased protection of landing gear system and electrical compatibility between landing gear actuator motor and the thermal characteristics of the circuit breaker.

INSTRUCTIONS:

1. Verify Master Switch OFF

2. Remove circuit breaker panel per Service & Maintenance Manual, Section No. 39.

3. Locating Landing Gear Actuator, 15 AMP, circuit breaker (location varies with Models).

4. Loosen connections, move wires or cut ty-raps of any electrical component necessary to enable removal of the 15 AMP Landing Gear Actuator C/B. It may be necessary to loosen other C/B's on the same row or other rows to allow access or sufficient movement to disconnect the Landing Gear Actuator C/B.

5. Loosen & remove any common buss bar that may be attached to the Landing Gear Actuator 15 AMP C/B.

6. Remove the 15 AMP Landing Gear Actuator C/B, P/N 7277-2-15 or P/N 4200-002-15, and replace with the 7.5 AMP, P/N 7277-2-7.5 or P/N U4200-002-7.5, circuit breaker.

7. Secure all electrical connections, buss bar's, other C/B's in panel and any component associated with the removal and replacement of the 15 AMP C/B.

8. Double check that all connections are secure, isolator strips in place, & all wire bundles ty-rapped secure and clear of components.


10. Turn Master Switch ON to check for any short or wiring problems.

11. As a final check, place A/C on Jacks and conduct a complete gear cycle test; cycle gear at least 5 times.

12. If all check are OK, make log book entry and return A/C to service.

Mooney Aircraft Corporation will allow up to 1.0 hours for labor to accomplish S.I.

WARRANTY: N/A

REFERENCE DATA:

PARTS LIST:

<table>
<thead>
<tr>
<th>P/N</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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<tbody>
<tr>
<td>7277-2-7.5</td>
<td>CIRCUIT BREAKER (7.5 AMP)</td>
<td>1</td>
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<tr>
<td>4200-002-7.5 (ALT)</td>
<td>CIRCUIT BREAKER</td>
<td></td>
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