

SERVICE INSTRUCTION M20-81
MARCH 1, 1988

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

MODELS/S/N AFFECTED: MOONEY MODELS: - M20J, S/N 24-3000 THRU 24-3057, M20K, S/N 25-1000 THRU 25-1141, 25-1143 THRU 25-1158 & 25-1160.

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 B4200-002-7.5, 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.
 9. Reposition Circuit Breaker Panel into panel & secure with attachment screws per Service & Maintenance Manual, Section 39.
 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:

REFERENCE DATA:

N/A

PARTS LIST:

P/N	DESCRIPTION	QTY.
7277-2-7.5	CIRCUIT BREAKER (7.5 AMP)	1
4200-002-7.5 (ALT)	CIRCUIT BREAKER	