

**THIS SERVICE BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN**

SERVICE BULLETIN M20-266A  
REVISION A DATED: 1 December, 1998

SUBJECT: Mooney Aircraft Corporation, Inspection of EATON Landing Gear Actuators, MAC P/N 560254-507, (EATON P/N 102000-7)

Revision A prepared to correct S/N affected, deleted S/N 27-0243, corrected to include S/N 27-0248.

MODELS S/N AFFECTED:

M20J - 24-3414, 24-3418 THRU 24-3423  
M20K - 25-2017, 25-2024 THRU 25-2029  
M20M - 27-0241, 27-0245, 27-0246, 27-0247, 27-0248, 27-0249  
M20R - 29-0136, 29-0141 THRU 29-0152  
SPARES - ARAPAHOE AERO, ENGLEWOOD, CO. -EATON ACTUATOR, S/N 1044

TIME OF COMPLIANCE: BEFORE NEXT FLIGHT

INTRODUCTION:

MAC received a report of the failure of a landing gear actuator. This failure rendered the landing gear **inoperative** in both normal and emergency modes.

EATON personnel have requested that actuators within the same manufacturing lot as the subject actuator and actuators within manufacturing lots on either side of the subject actuator lot be removed from the applicable aircraft listed above and returned to EATON for inspection.

This Service Bulletin supersedes the MAC Special Letter 98-2, Revision A or B. The FAA anticipates an Airworthiness Directive to be issued on this subject within the next few weeks.

INSTRUCTIONS:

1. Remove the one piece belly skin on M20J & M20K aircraft, and the forward belly skin on M20M & M20R aircraft.
2. Refer to the applicable MAC Service & Maintenance Manual, SECTION 32-30-05 on procedures for removing and installing the actuator. (MAC SI M20-52, Revision A or B can also be referred to for removal and installation of the actuator)
3. Send actuator , freight prepaid, to Eaton Corporation, Aerospace Controls Division, 2338 Alaska Avenue, El Segundo, CA, 90245, Attn.: Mr. Thai Pham.
4. When inspected actuator is received by maintenance personnel from EATON, re-install in accordance with procedures in the applicable MAC Service & Maintenance Manual, SECTION 32-30-05. Verify Landing Gear Rigging is in accordance with all of SECTION 32-30-00 procedures.
5. When Landing Gear Rigging is verified or corrected, return aircraft to service after Logbooks entries have been completed.

WARRANTY:

Mooney Aircraft Corporation recommends that the affected aircraft be taken to an authorized Mooney Service Center for removal of the actuator for shipment to EATON for their requested inspection. Complete and return MAC standard Warranty claim including freight charges.

REFERENCE DATA: MAC Special Letter 98-2, Revision B, dated 1 December, 1998.

If compliance with Revision A or B to SL 98-2 has been accomplished it is not necessary to have the EATON actuator reinspected in accordance with this Service Bulletin. The instructions and intent are identical. The AD will have been complied with using either the MAC SL 98-2A or B or SB M20-266A.

PARTS LIST: N/A

FIGURES/  
TABLES: N/A