

SUBJECT: MAIN LANDING GEAR LEG 510010 BRACKET CRACK REPAIR

MODEL/ S/N

AFFECTED: M20J – 24-3415 THRU 24-3416
M20K – 25-2018 THRU 25-2021
M20M – 27-0241 ONLY
M20R – 29-0135 THRU 29-0138

TIME OF

COMPLIANCE: WITHIN NEXT 100 FLIGHT HOURS OR AT NEXT MAINTENANCE ACTION

INTRODUCTION: This Service Bulletin is being issued in an effort to ensure the design service life of 510010 brackets which have been produced by laser beam pattern cutting and have exhibited minor surface cracks in material at the bend. Compliance with this Service Bulletin will be considered a one-time maintenance action requiring no additional inspections of this part throughout the life of the airplane.

INSTRUCTIONS:

1. Remove main landing gear in accordance with the respective (M20J, M20K, M20M, or M20R, as applicable) Service and Maintenance Manual. It is not necessary to open brake lines, but the brake caliper will have to be removed from the wheel assembly.
2. Grind surface of the 510010 bracket (Figure SBM20-265-1) utilizing the procedure and adhering to the limitations of Figure SBM20-265-2. After grinding, inspect with a 10X magnifying glass to ensure no cracks are present.
3. For those areas affected (by the grinding in step 3), touch-up prime with an epoxy primer (Sherwin Williams recommended) and paint with the appropriate flyaway touch-up paint kit provided with the aircraft when new.
4. Re-install main landing gear and wheels in accordance with the respective (M20J, M20K, M20M, or M20R, as applicable) Service and Maintenance Manual.
5. Perform Gear System Operational Inspection in accordance with the respective (M20J, M20K, M20M, or M20R, as applicable) Service and Maintenance Manual.
6. Complete logbook entry showing compliance with SB M20-265 and return aircraft to service.
7. Fill out and return compliance card.

WARRANTY: Mooney Aircraft Corporation will allow 8 hours labor to comply with this Service Bulletin. Credit will be issued upon receipt of compliance cards and warranty forms within 60 days of the issue date of this Service Bulletin.

REFERENCE

DATA: M20J Service and Maintenance Manual, No.122, Sections 32-10-00 and 32-30-01
M20K Service and Maintenance Manual, No.133, Sections 32-10-00 and 32-30-01
M20M Service and Maintenance Manual, No.150, Sections 32-10-00 and 32-30-01
M20R Service and Maintenance Manual, No.160, Sections 32-10-00 and 32-30-01

PARTS LIST: N/A

FIGURE /TABLES: SEE FIGURES SBM20-265-1 AND SBM20-265-2 that follow.