

MOONEY AIRCRAFT INC.
KERRVILLE, TEXAS

SERVICE LETTER 20-14

DATE: 6-9-56

SUBJECT: Landing Gear Inspection

MODELS AFFECTED: M-20 Serial Numbers 1009, 1016, 1026 thru 1044

There have been several occurrences of failure of the weld joining the upper shock disc bearing plate (see Fig. 1) to the main landing gear structure on the airplanes prior to serial No. 1026. This joint has been strengthened with additional weld and the airplanes listed in the heading have this later type gear. So far there have been no failures in this group. However a failure of this point will allow the wheel and spindle to rotate freely making it difficult or impossible to retract and extend the gear and leaving it subject to malfunction under landing loads. In view of the above it will be necessary to inspect these welded joints (as shown in Fig. 1) at ten hour intervals and oftener if gear is subject to rough use. If cracks are found the airplane should be grounded and the factory notified immediately.

INSPECT THESE WELDS FOR CRACKS

UPPER BEARING PLATE

SHOCK DISCS

SECT A-A

RIGHT GEAR - SHOWN (LEFT GEAR - OPPOSITE)

LOOKING FORWARD

LOOKING AFT

FIGURE 1

SERVICE BULLETIN 20-14

PAGE 2 of 2

