

(This Service Letter is FAA Approved)

This Service Letter reidentified as
Service Bulletin M 20-115
per Service Instruction M20-15.

SUBJECT: Inspection and Repair of Wheel Well Plate to
Wing Skin Attachment

MODELS AFFECTED: M20C, Serials 2506 thru 2622
M20E, Serials 101 thru 200

TIME OF COMPLIANCE: Within Next 100 Hours

INTRODUCTION

There have been occurrences of fatigue cracks developing in the top left wing skin, above the main gear wheel well at the attach of Part No. 210078-13 angle. This service letter describes the inspection for and repair of such cracks if they develop.

INSTRUCTIONS

1. At each 100 hour inspection, check the area described in Figure 1 for cracks from the last rivet attaching the wheel well plate to the top wing skin.
2. If cracks are found, remove 210082-7 plate and 210078-13 attach angle shown in Figure 1.
3. Cut out circular hole around crack, with edge of hole $\frac{1}{4}$ " minimum beyond the crack. Cut and locate a doubler per Figure 2 and rivet it and 210078-13 angle to the wing skin. Cut and install a filler plate to the attach angle and the doubler plate as shown.
4. Replace 210082-7 plate with $\frac{1}{8}$ " dia. rivets (may be blind rivets).
5. Repair may be smoothed over with any standard aerodynamic smoother (or body filler) before painting.
6. After repair has been accomplished, further inspection as described in Step 1 will not be necessary.

COMPLIANCE

After compliance with the repair described in this service letter, please fill out the enclosed compliance card and return it to Mooney Aircraft.

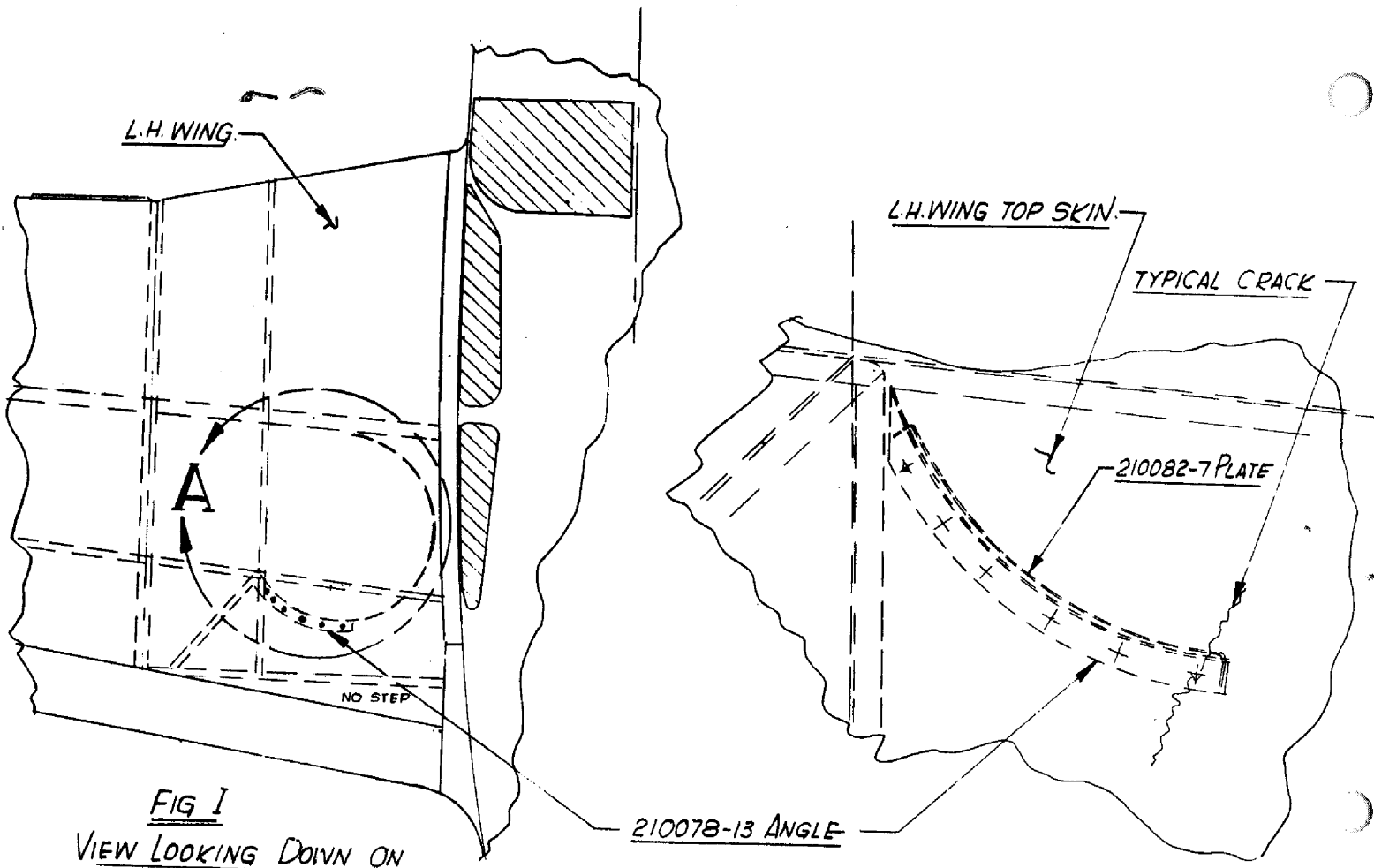


FIG 1
VIEW LOOKING DOWN ON AIRPLANE

DETAIL A

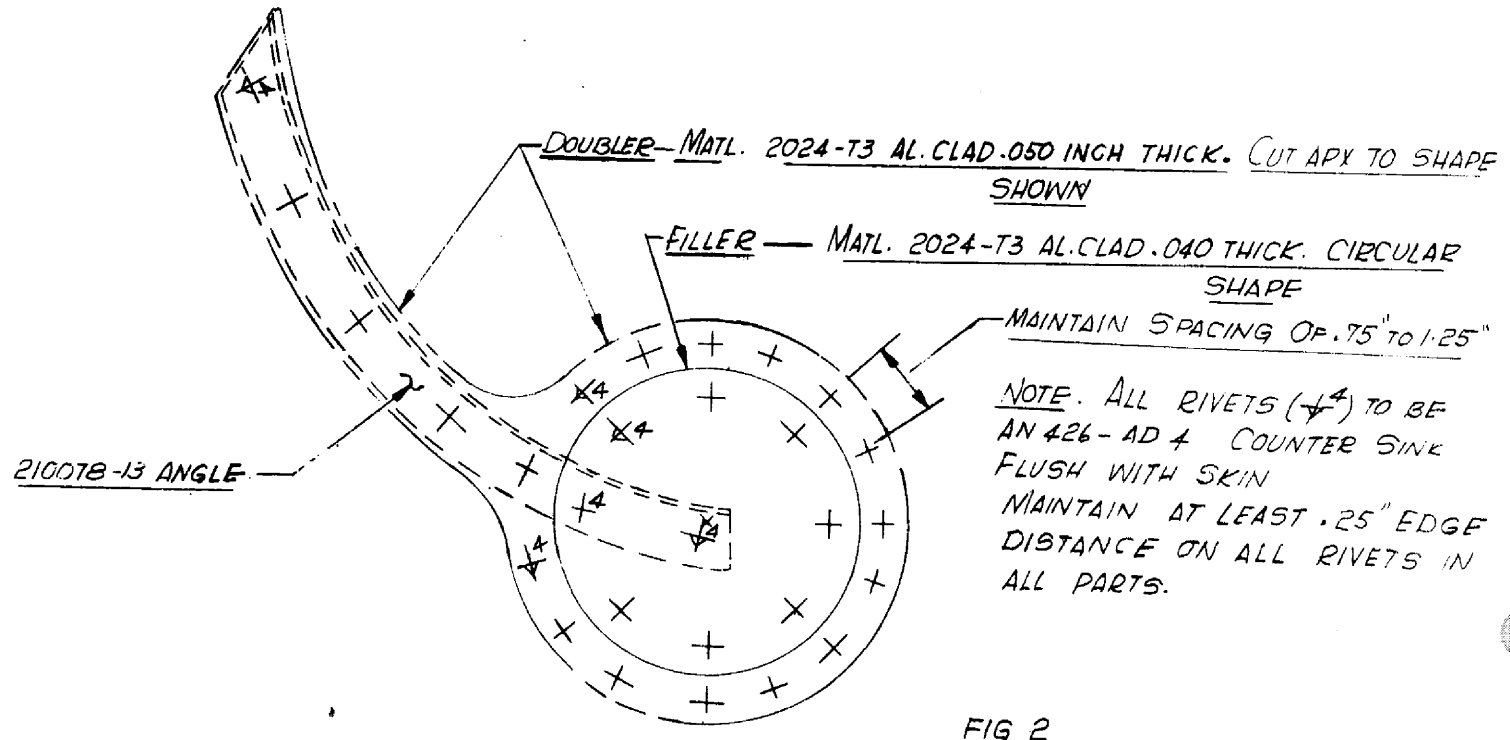


FIG 2