

MOONEY AIRCRAFT, INC.

SERVICE LETTER 20-71

SERVICE BULLETIN M20-71

~~(This Service Letter Is FAA Approved)~~

DATE: July 26, 1960

SUBJECT: NOTED BELOW

MODELS AFFECTED: NOTED BELOW

The following two (2) improvements are recommended for compliance as soon as possible or at the next 100 hour inspection.

1. Brake Crank(P/N 7064)

Effective on Mooney aircraft Serial Nos. 1002-1549. Stronger brake cranks (with arms welded on both sides) are available and will be supplied at nominal costs by your Authorized Mooney Dealer. These parts control the two (2) main wheel brakes. A failure of a crank on one side will cause loss of brake action on one wheel.

Part No. 7064 (quantity 2) to be replaced with
Part No. 7064 Change D (2)

If this change is completed -- close inspection of these parts may be made at each periodic and will not be necessary on each 100 hours of operation.

The parts are installed adjacent to the pilot's rudder pedals and can be inspected for security of the weld attachment between arms and bearing housing through removal of the left hand exhaust cavity fairing.

2. Flap Handle Support Bushing

Effective on Mooney aircraft Serial Nos. 1002-1571. A method of improving the flap handle support bushing locally is contained in the following repair instructions for use by your A&E mechanic. Failure of the attachment could result in loss of flap control. It is therefore recommended that the security of this attachment be checked and that it be reworked in accordance with the following instructions:

Repair Instructions

1. Remove flap control handle and attached control tube.
2. Protect items near the area to be welded. Remove or loosen instrument panel attachments (including nuts on vernier controls) in area above flap handle, pull panel back and insert wet asbestos behind panel. Place wet asbestos around throttle control housing. Loosen clamps on wiring loom, push it away from area to be welded and wrap it with wet asbestos.
3. Weld up any cracks on front outboard side and back of flap handle attach lug. Add weld along outboard side if this area is not presently welded.
4. For added strength, it is recommended that a support gusset be made and installed as shown in figure.
5. Clean, Prime and paint weld area.
6. Install parts removed.

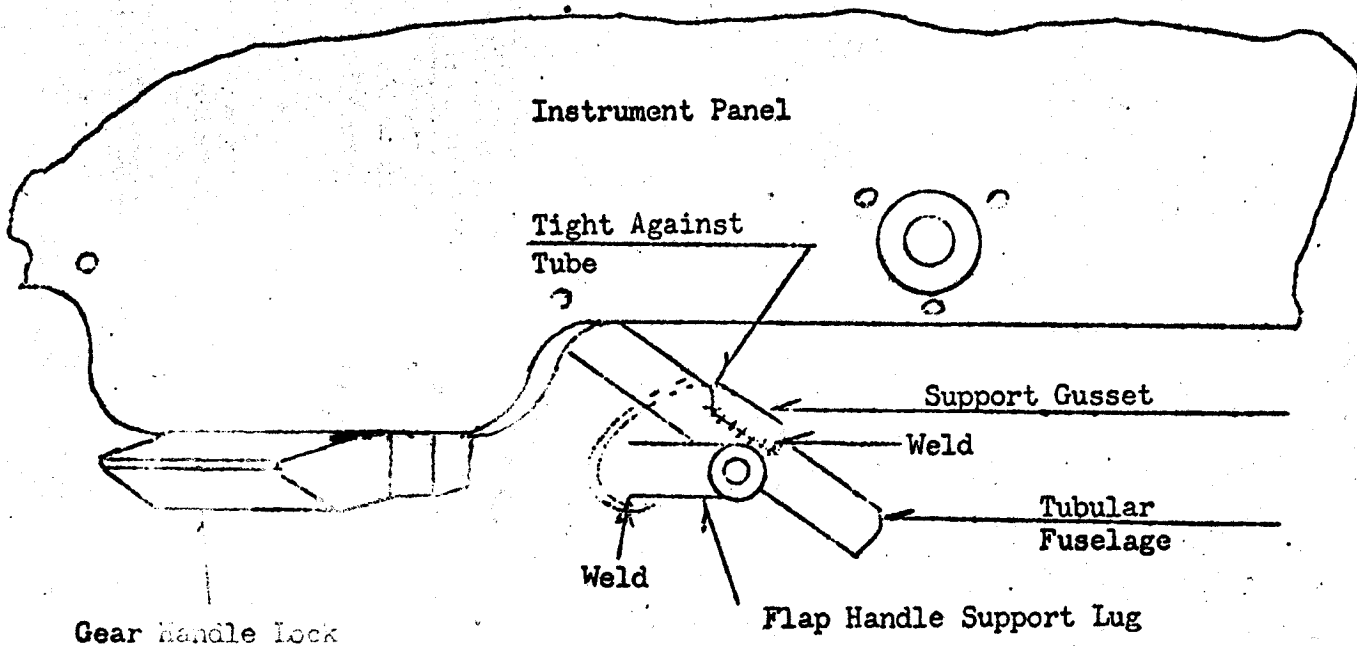
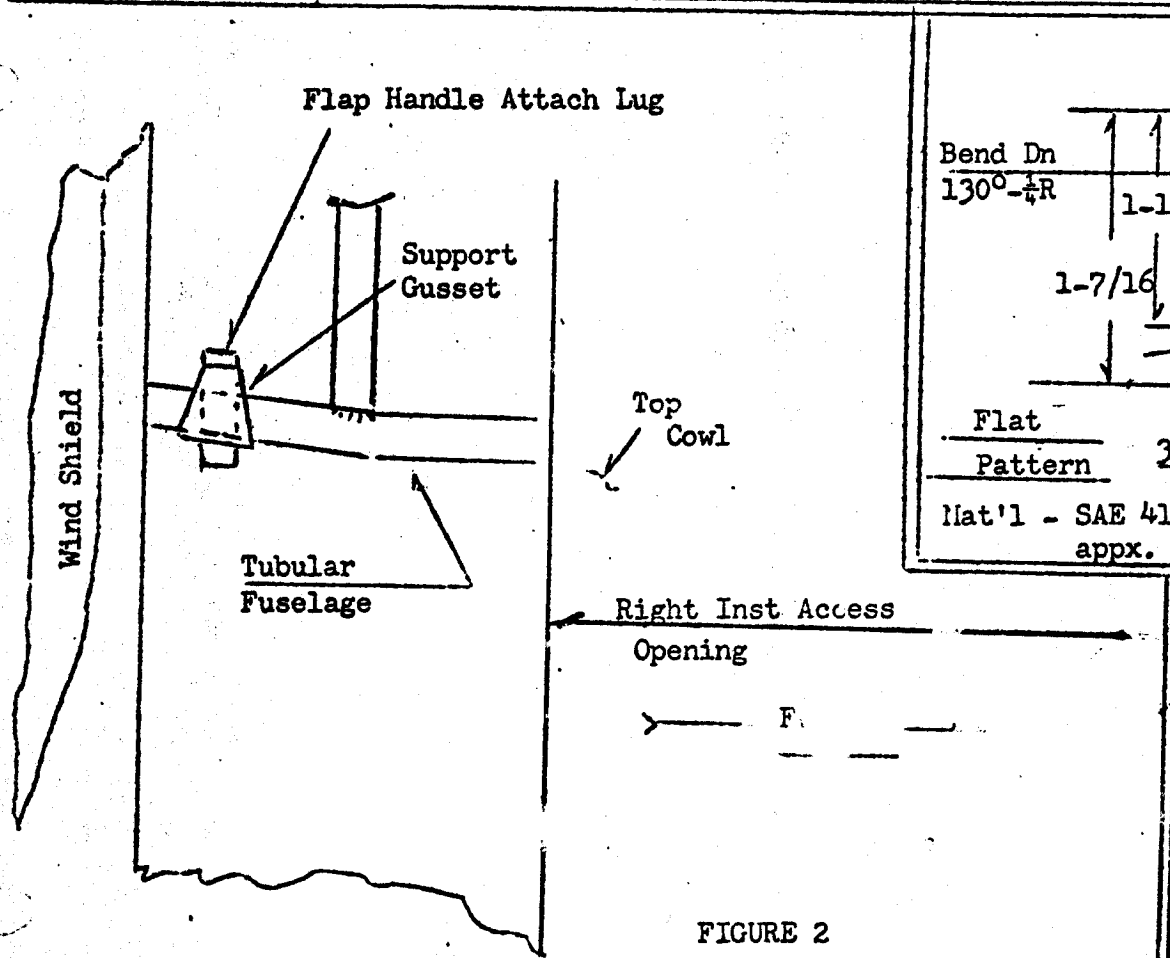


FIGURE 1
View looking fwd. and inboard from right



View looking down thru R.H. instrument access opening

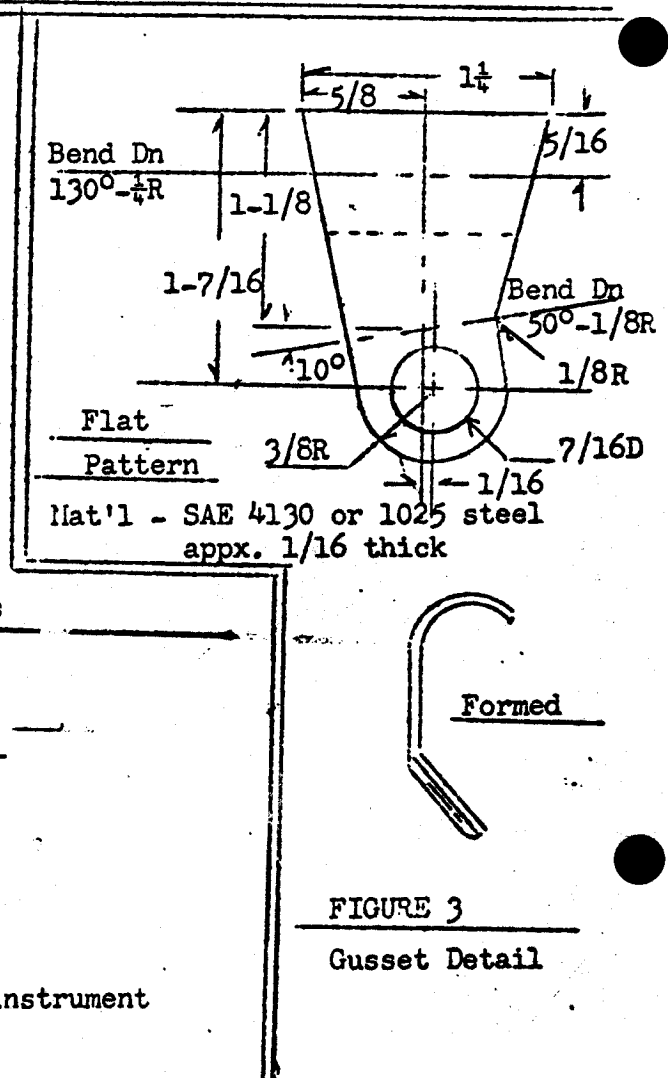


FIGURE 3
Gusset Detail