

MOONEY AIRCRAFT INC.  
KERRVILLE, TEXAS  
SERVICE LETTER 20-7 Rev. A & B  
(CAA APPROVED)

DATE: 5-18-56 Rev. A 10-28-57, B 10-13-58.

SUBJECT: Kit- Aileron counterweight balance arm reinforcement.

(A) MODELS AFFECTED: Applicable to M-20 Serial No. 1002 -1051 on both RH and LH Ailerons.

(A) TIME OF COMPLIANCE: It is recommended that this kit be installed at the earliest convenient time.

PARTS LIST: 3/8 OD x .028 x 3" 4130 Steel Tube (2)  
Trimmed to fit.

( ) ENCLOSURE: Compliance Card.

(A) Due to the occurrence of several failures in which the aileron counterweight balance arm cracked at its junction with the aileron spar and separated from the aileron it is recommended that this kit be installed as soon as possible.

INSTRUCTIONS: (See Figure 1)

1. Remove aileron from wing.
2. Make template from stiff cardboard or plywood.
3. Remove fabric in area to be welded.
4. Reweld joint attaching counterweight balance arm to aileron frame if it is cracked.
5. Install 3/8 OD x .028 x 3" 4130 Steel Tube.
6. Exercise care during the welding operation so as to minimize movement of weight arm. \*
7. Check relation of balance weight and end rib with template.
8. Clean and prime weld area and re-cover.
9. Return completed compliance card.

(B)\* \* Wrap lead weight and adjacent tube with wet asbestos sheet to prevent heat from softening and loosening weight on arm.