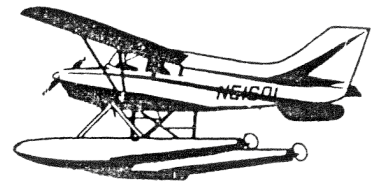


Maule Aircraft Corporation

SPENCE AIR BASE :: MOULTREE, GEORGIA 31768 :: PHONE 912/985-2045



20 July 1982
Page 1 of 3
Rev. A dated: 9/3/86

SERVICE LETTER #46

SUBJECT: New Flap Ratchet.

AIRCRAFT AFFECTED: MAULE Model M-5-210C, Ser. No. 6001C thru 6206C.

COMPLIANCE: Optional.

AUTHORITY: This Service Letter is FAA Approved.

BACKGROUND: Many MAULE owners have requested increased flap travel for their airplanes. The new flap ratchet allows 5° - 8° more travel at each setting. There is also available an alternate lever which is bent upward. This allows more clearance under the lever for easier grasping. Either unit can be used separately.

MATERIAL REQUIRED:

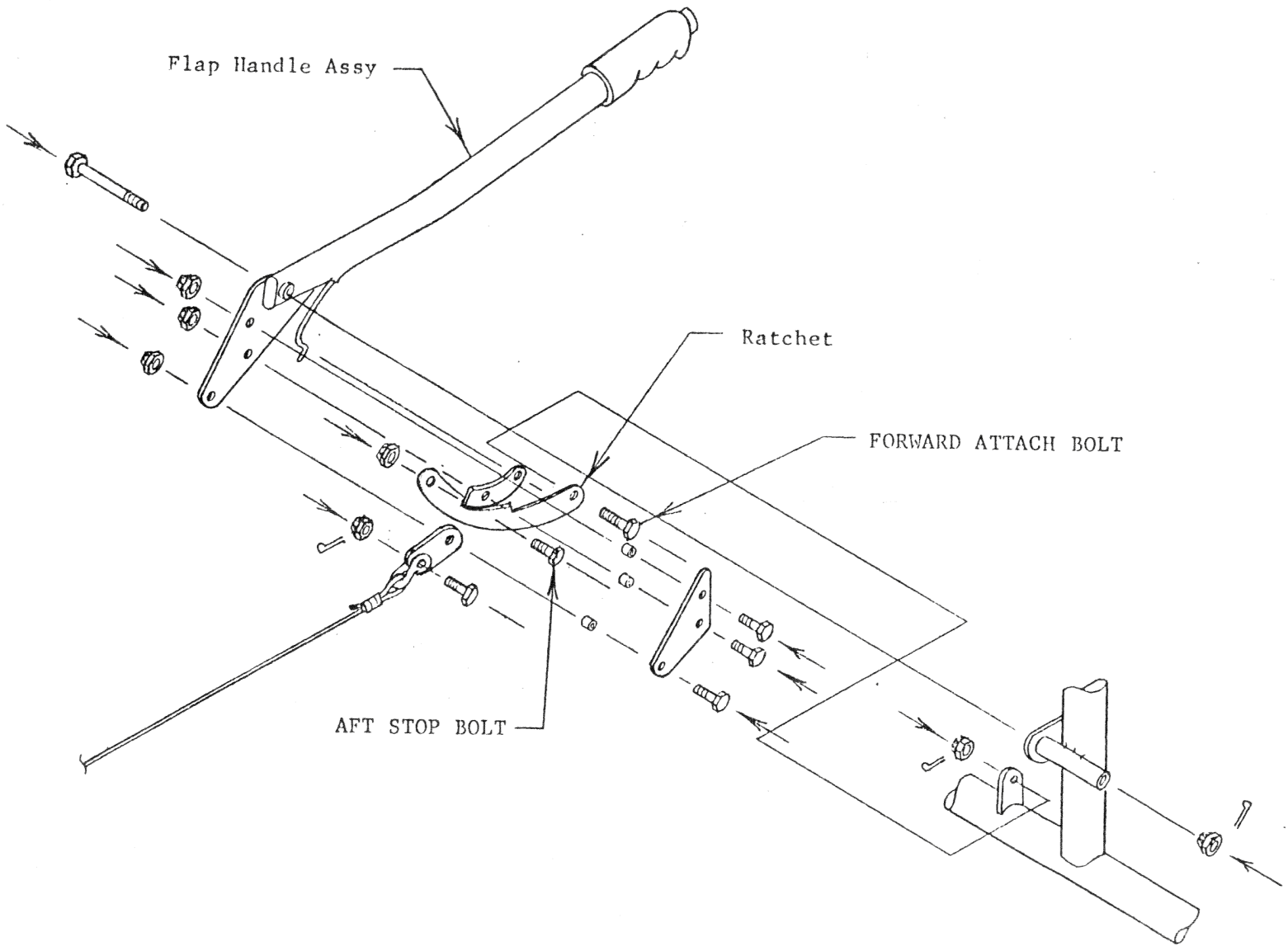
- (1) Flap Ratchet p/n 3207B
- (1) Alternate Flap Lever Assembly p/n 3058F-28 (opt.)
- (1) Flap Handle Placard (20° - 40°)
- (1) Installation Sketch

INSTALLATION INSTRUCTIONS AND ACTION TO BE TAKEN:

1. Remove left front seat.
2. Remove control cover (ref. Item 6, Group C-4 of Parts Catalog)
3. Remove old ratchet:
 - (a) Remove forward ratchet attach bolt and nut.
 - (b) Remove aft stop bolt and nut.
 - (c) Slide ratchet forward thru plates of flap handle assembly.
4. Install new ratchet:
 - (a) Slide ratchet aft thru plates of flap handle assembly.
 - (b) Install forward attach bolt and nut and secure with cotter pin.
 - (c) Install aft stop bolt and nut removed from old ratchet.
NOTE: 20° - 40° ratchet has forward stop bolt and nut deleted.
 - (d) Operational check flap system.
5. Reinstall control cover.
6. Reinstall left front seat.
7. Remove 15° - 35° placard from flap handle and apply new placard.
8. Remark Airspeed Indicator: Extend white arc from 56 to 48 mph by applying white tape over instrument glass. Add slippage mark by painting a thin white line over glass and bezel.
9. COMPLY WITH MAULE SERVICE BULLETIN #7. (AD#86-17-11).
10. Attach AFM Supplement No. 5 to FAA Approved M-5-210C Airplane Flight Manual dated 28 December, 1973.

SERVICE LETTER # 46
INSTALLATION INSTRUCTIONS

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When modification is complete, make proper Log Entry, fill out Service Letter #46 Compliance Record Sheet and return sheet to us in order that records be kept current for your aircraft.

MAULE AEROSPACE TECHNOLOGY, INC.

SERVICE LETTER #46 - COMPLIANCE RECORD

Airplane Serial Number _____

Airplane Registration Number _____

The following action was taken with respect to this service letter:

Service letter #46 completed

Certified by _____

(Signature)

(Printed Name)

Title _____

(Owner, A&P), IA, etc.)

In an effort to keep our mailing list current for sending Service Letters, Service Bulletins, etc., please fill in the following:

Owner's name _____

Owner's address _____

Mail this Compliance Record to: Maule Aerospace Technology, Inc.
Engineering Records
2099 GA Hwy. 133 S.
Moultrie, GA 31788