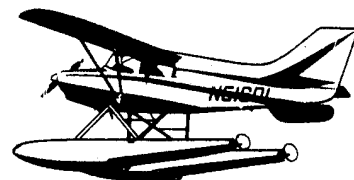


# Maule Aircraft Corporation

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



16 March 1983  
Page 1 of 1

## SERVICE LETTER # 50

SUBJECT: Replacement of 6A-335-B1A Franklin engine with 6A-350-C1 Franklin engine.

AIRPLANE AFFECTED: Maule Model M-4-180C, Ser. No. 3001C thru 3006C.

COMPLIANCE: Optional at owner's discretion and when 6A-335-B1A engine is replaced with 6A-350-C1 engine.

STATUS: To provide a replacement engine.

AUTHORITY: This Service Letter is FAA approved.

BACKGROUND: Occasionally, airplanes require complete engine replacement, therefore, it has been found necessary to use another approved engine installation to interchange.

### ACTION TO BE TAKEN AND MATERIAL REQUIRED:

- (1) Substitute the enclosed M-4-220C Airplane Flight Manual dated 9/28/66 for the M-4-180C Airplane Flight Manual you now have.
- (2) Substitute the enclosed M-4-220C Weight and Balance data for the M-4-180 Weight and Balance data you now have.
- (3) Substitute the enclosed M-4-220C Equipment Lists for the M-4-180C Equipment List you now have. Designate items installed on new list by circling.
- (4) Install 6A-350-C1 engine identical to 6A-335-B1A with the following exceptions:
  - a. Remark Manifold Pressure Gauge: Yellow arc 26.5 - 29.0 Hg., Green arc 14.5 - 26.5 Hg.
  - b. If McCauley propeller 2A34C22-N S84SF-6 or 2A34C22-N S84SF-8 is used, 5090E Cowl Flap must be installed per Maule drawing 5043F.
  - c. Attach M-4-220C Identification Plate p/n 8001B-1 directly below existing plate using 3D42BS pop rivets (#30 drill).
  - d. Remove 80 Octane Fuel Placards located on wings forward of fuel filler necks and affix 100 Octane Fuel Placards p/n 2049B. Placards must read "VENT FORWARD".

NOTE: Possible effective Service Letters this installation: #21, #22, #23, #24, #25, #26, #27, #30. Check if Aircraft affected and compliance status.

When modification is completed, make proper log entries, fill out Service Letter #50 Compliance Record Sheet and return. Return aircraft to service via Form #337.

MAULE AIRCRAFT CORPORATION

SERVICE LETTER # 50 - COMPLIANCE RECORD

Airplane Serial Number \_\_\_\_\_

Airplane Registration Number \_\_\_\_\_

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

Service Letter #50 completed

Certified by \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed name)

Title \_\_\_\_\_  
(Owner, A&P, IA, etc.)

Date performed \_\_\_\_\_

In an effort to keep our mailing list current for sending service bulletins, service letter, etc., please fill in the following:

Owner's name \_\_\_\_\_

Owner's address \_\_\_\_\_

Mail this compliance record to: Maule Aircraft Corporation  
Engineering Records  
Spence Field  
Moultrie, GA 31768