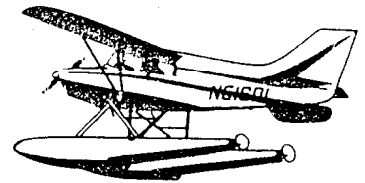


# Maule Aircraft Corporation

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



9 March 1984

Page 1 of 1

## SERVICE LETTER #60

SUBJECT: New Alternator Control System.

AIRPLANES AFFECTED: Maule Model M-5-180C, Ser. No.'s 8001C thru 8014C, 8016C thru 8019C and 8021C.

COMPLIANCE: Optional.

STATUS: To provide a replacement Alternator Control System.

AUTHORITY: This Service Letter is FAA approved.

BACKGROUND: Voltage Regulators and Overvoltage Relays are no longer available for replacement in electrical system. New Alternator Control System replaces these items.

### ACTION TO BE TAKEN AND MATERIAL REQUIRED:

- (1) Attach AFM Supplement No. 3 to FAA Approved M-5-180C Airplane Flight Manual dated 19 April 1979.
- (2) Installation Instructions:
  - (a) Install the following per drawing 7127B:

1 ea.	B-00371-8	Alternator Control (Lamar)
1 ea.	5424B-1	Alternator Control Mount
2 ea.	AN526-10-R8	Screw
2 ea.	AN365-1032	Nut
2 ea.	AN526-10-R10	Screw
2 ea.	AN970-3	Washer
  - (b) Install the following per drawing 7128B:

1 ea.	A-00258-1	Alternator Inop. Switch
2 ea.	AN365-632	Nut
2 ea.	AN526-6-6	Screw
1 ea.	1-380643-2	Alternator Out Indicator Light
1 ea.	7130A	Plate, Alternator Out Ind. Light
1 ea.	6074F-51	"ALTERNATOR OFF WARNING" Placard
  - (c) Install the following, if required, per drawing 7129A:

1 ea.	P186817	Regulator Filter
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  - (d) Install the following per drawings 7047F, Sht 1 and 7047E, Sht 2:

1 set	Wiring for Alternator Control System (DCN M4026A)
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When modification is completed, make proper log entries, fill out Service Letter #60 Compliance Record Sheet and return it to Engineering Records at Maule Aircraft Corporation.

MAULE AIRCRAFT CORPORATION  
SERVICE LETTER #60 - COMPLIANCE RECORD

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

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

The following action was taken with respect to this Service Letter:

Service Letter #60 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 Letters, Service Bulletins, 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

# Maule Aircraft Corporation

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



FAA APPROVED  
AIRPLANE FLIGHT MANUAL SUPPLEMENT NO. 3  
FOR  
MODEL M-5-180C

Reg. No. \_\_\_\_\_

Ser. No. \_\_\_\_\_

This Supplement must be attached to the FAA Approved Airplane Flight Manual dated 19 April 1979 when Alternator Control system is installed in accordance with Maule Service Letter No. 60.

The information contained herein supersedes and supplements the information of the basic Airplane Flight Manual; for limitations, procedures and performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

FAA APPROVED: Thomas E. Stitley  
Acting Manager, Atlanta Aircraft Certification Office  
FAA, Central Region

SEP 20 1984

DATE: \_\_\_\_\_

MAULE AIRCRAFT CORPORATION

MOULTRIE, GEORGIA

AFM SUPPLEMENT NO. 3

FOR M-5-180C

SECTION III

EMERGENCY PROCEDURES:

3.2 ALTERNATOR FAILURE:

Alternator output should be monitored by reference to the ammeter located on the right side of the engine instrument cluster. Should the ammeter indicate a minus deflection when engine RPM is above 900 and/or red "ALTERNATOR OFF WARNING" light is illuminated, push ALT switch OFF then ON. Repeat two times as necessary to reset. If system will not reset, reduce electrical load as much as possible, land as soon as practicable and investigate the electrical system malfunction before further flight.

FAA APPROVED  
DATE: **SEP 20 1984**

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MAULE AIRCRAFT CORPORATION

AIRPLANE FLIGHT MANUAL

**MAULE M-5-180C**

(s/n 8001C-8069C)

**LOG OF SUPPLEMENTS**

SUPP. NO.	NO. OF PAGES	DESCRIPTION	APPROVAL DATE
1	2	Installation of <b>20°/40° Flap Ratchet</b> P/N 3207B – Maule Service Letter No. 49.	04/01/83
2	2	Flight operation with <b>either one</b> (not both) <b>of the Front doors removed.</b>	08/20/02
3	2	Installation of <b>Lamar Alternator Control System</b> – Maule Service Letter No. 60.	09/20/84
-	2	Operation of aircraft when <b>M-5 Wing Assemblies 2110X-30</b> (with Main Fuel Tanks P/N 2167X) are installed - Maule <b>Modification Kit No. 15.</b>	10/08/96
-	5	Installation of <b>Apollo MX20 Multi-Function Display</b> - Maule Drawing 7265A	08/15/02