

## MAULE AIRCRAFT CORPORATION

## AIRPLANE FLIGHT MANUAL

**MAULE M-5-180C**

(s/n 8001C-8069C)

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**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
-	8	Installation of <b>GARMIN GNC-420 (GPS/COMM) System</b> per Maule Drawing <b>7251A.</b>	06/30/03
-	9	Installation of <b>GARMIN GNS-530 (GPS/NAV/COMM) System</b> per Maule Drawing <b>7253A.</b>	06/30/03
-	4	Installation of <b>GARMIN GTX-330 Mode S Transponder Traffic Information System (TIS)</b> per Maule Drawing <b>7255A.</b>	06/30/03

# Maule Aircraft Corporation

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



FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT NO. 1

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 Ratchet p/n 3207B is installed in accordance with Maule Service Letter No. 49.

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: \_\_\_\_\_

Acting Manager, Atlanta Aircraft Certification Office, FAA, Central Region

APR 1 1983

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

MAULE AIRCRAFT CORPORATION

MOULTRIE, GEORGIA

AFM SUPPLEMENT NO. 1

M-5-180C

SECTION I

OPERATING LIMITATIONS

AIRSPPEED LIMITS: All airspeeds are calibrated airspeeds.

EXPLANATION OF AIRSPEED INDICATOR MARKINGS:

White Arc - Flap Operating Range, 53 - 94 mph (46 - 82K): Extends from full flap, power off stall speed at 2300 lbs. ( $V_{so}$ ) to the maximum flaps extended speed ( $V_{fe}$ ).

SECTION II

NORMAL FLIGHT OPERATIONS:

FLAP SETTINGS:

Normal Takeoff - 0° (No flaps) 20° (First Notch) flaps permissible for takeoff.

Short, Rough, Soft Field Takeoff - 40° (Second Notch) until safely airborne, then retract to 20°.

Normal Climb - 0°

Best Angle Climb - 20°

Landing - 40° (0° or 20° permissible).

Climbing:

Best Rate of Climb - 90 mph CAS, no flaps

Best Angle of Climb - 75 mph CAS, 20° flaps

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DATE: 1 APR 1983

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FAA APPROVED

# Airplane Flight Manual Supplement No. 2

FOR

**MAULE M-5-180C**

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

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

This Supplement must be attached to the FAA Approved Airplane Flight Manual dated 19 April 1979 or 12 June 1985 when **either one (not both) of the Front Doors are removed.** (With either Front Door removed, the Rear Passenger and Baggage Doors must be installed.)

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

FAA APPROVED: \_\_\_\_\_

*David Loren*  
Manager, Aircraft Certification Office  
Federal Aviation Administration  
Atlanta, Georgia

DATE: AUG 20 2002

Page 1 of 2

**ITS PERFORMANCE THAT COUNTS!**  
**2099 Georgia Hwy. 133 South~Moultrie, GA 31768**  
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MAULE AEROSPACE TECHNOLOGY, INC.  
MOULTRIE, GEORGIA  
AFM SUPPLEMENT NO. 2  
FOR **MAULE M-5-180C**

SECTION II

**NORMAL OPERATING PROCEDURES**

**Door Off Operation:**

This aircraft may be operated with either one (not both) of the front doors removed. (With either front door removed, the rear passenger and baggage doors must be installed.) When doing so, observe the following additional limitations:

1. Maximum airspeed - 125 mph (109 K)
2. Maximum bank angle - 30°
3. Maximum yaw angle - 10°
4. No smoking permitted
5. Limit flight to VFR conditions

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DATE: AUG 20 2002

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# 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: \_\_\_\_\_

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.

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DATE: SEP 20 1984

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# MAULE AEROSPACE TECHNOLOGY, INC.

LAKE MAULE :- RT. 5, BOX 318 :- MOULTRIE, GA. 31768 :- PHONE (912) 985-2045 :- FAX: (912) 890-2402

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR

**MAULE M-5**

with

**2110X-30 Wing Assemblies**

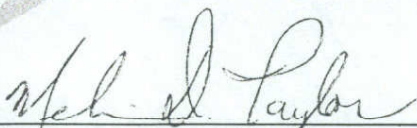
Reg. No. \_\_\_\_\_

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

This Supplement must be attached to the FAA Approved M-5 Series Airplane Flight Manual when Wing Assemblies P/N 2110X-30 (with 2167X Main Fuel Tanks) are installed on M-5 in accordance with Maule Modification Kit No. 15.

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

FAA APPROVED: \_\_\_\_\_

*for*   
Manager, Aircraft Certification Office  
Federal Aviation Administration  
Atlanta, Georgia

DATE: **OCT 8 1996** \_\_\_\_\_

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IT'S PERFORMANCE THAT COUNTS!



MAULE AEROSPACE TECHNOLOGY, INC.  
MOULTRIE, GEORGIA  
AFM SUPPLEMENT  
FOR MAULE **M-5** with 2110X-30 Wing Assemblies

SECTION I

**GENERAL: NORMAL CATEGORY OPERATION**

**FUEL CAPACITY:**

**USABLE FUEL:** Main Tanks - 21.5 Gallon each  
Optional Auxiliary Tanks - 11.5 Gallons each

**UNUSABLE FUEL:** 2.3 Gallons per Main Tank

////////////////////  
////CAUTION////  
////////////////////

FUEL REMAINING IN TANK WHEN INDICATOR READS  
EMPTY CANNOT BE USED SAFELY IN FLIGHT.

SECTION II

**LIMITATIONS**

**PLACARDS:**

The following placards are in the cockpit in clear view of the pilot:

"FUEL REMAINING IN TANK WHEN INDICATOR READS EMPTY CANNOT BE  
USED SAFELY IN FLIGHT."

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DATE: OCT 8 1996

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