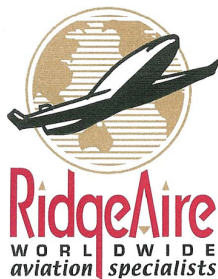


N20RD

2001 Maule MT-7-260

Airplane Flight Manual

Aircraft S/N: 27008C



Prepared by the worldwide aviation specialists at RidgeAire, Inc.



FAA APPROVED

AIRPLANE FLIGHT MANUAL

FOR

MAULE MT-7-260

Airplane Serial No. _____

Registration No. _____

THIS DOCUMENT MUST BE KEPT IN THE AIRPLANE AT ALL TIMES.

FAA APPROVED:



Manager, Aircraft Certification Office
Federal Aviation Administration
Atlanta, Georgia USA

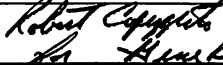
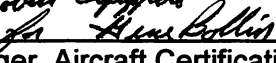





DATE: APR 17 1998

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MAULE AEROSPACE TECHNOLOGY, INC.
 AIRPLANE FLIGHT MANUAL
 MAULE *MT-7-260*

LOG OF REVISIONS

REV.	TO PAGES	DESCRIPTION	APPROVAL AND DATE
A	5, 6 12 19	Added and revised Placards. Corrected Crosswind Component. Corrected omission.	  Manager, Aircraft Certification Office, FAA Atlanta, Georgia Date: <u>10-26-98</u>
B	4	Vendor part number change.	  Manager, Aircraft Certification Office, FAA Atlanta, Georgia Date: <u>6-23-99</u>
C	12	Corrected (fully retracted) to read (first notch) in Item F.	 Manager, Aircraft Certification Office, FAA Atlanta, Georgia Date: <u>9-10-99</u>
D	2 4 13	Corrected unusable fuel to read 2.3 gallons. Added McCauley Propellers B2D37C224-[]/[] -90RA-10.5 and B3D32C414-[]/[]-82NDA-2.	  Manager, Atlanta Certification Office, FAA Atlanta, Georgia Date: <u>4-17-00</u>

MAULE AEROSPACE TECHNOLOGY, INC.
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LOG OF SUPPLEMENTS

SUPP. NO.	NO. OF PAGES	DESCRIPTION	APPROVAL DATE
1	21	Installation of Wipline 3000 Amphibious Floats per Maule Drawing 9186A .	03/12/99
2	8	Installation of Aqua 2400 Floats per Maule Drawing 9135A , Rev. E or later revision.	11/19/99
3	6	English to Metric Conversion Charts - required in aircraft when registered in Canada .	09/03/99

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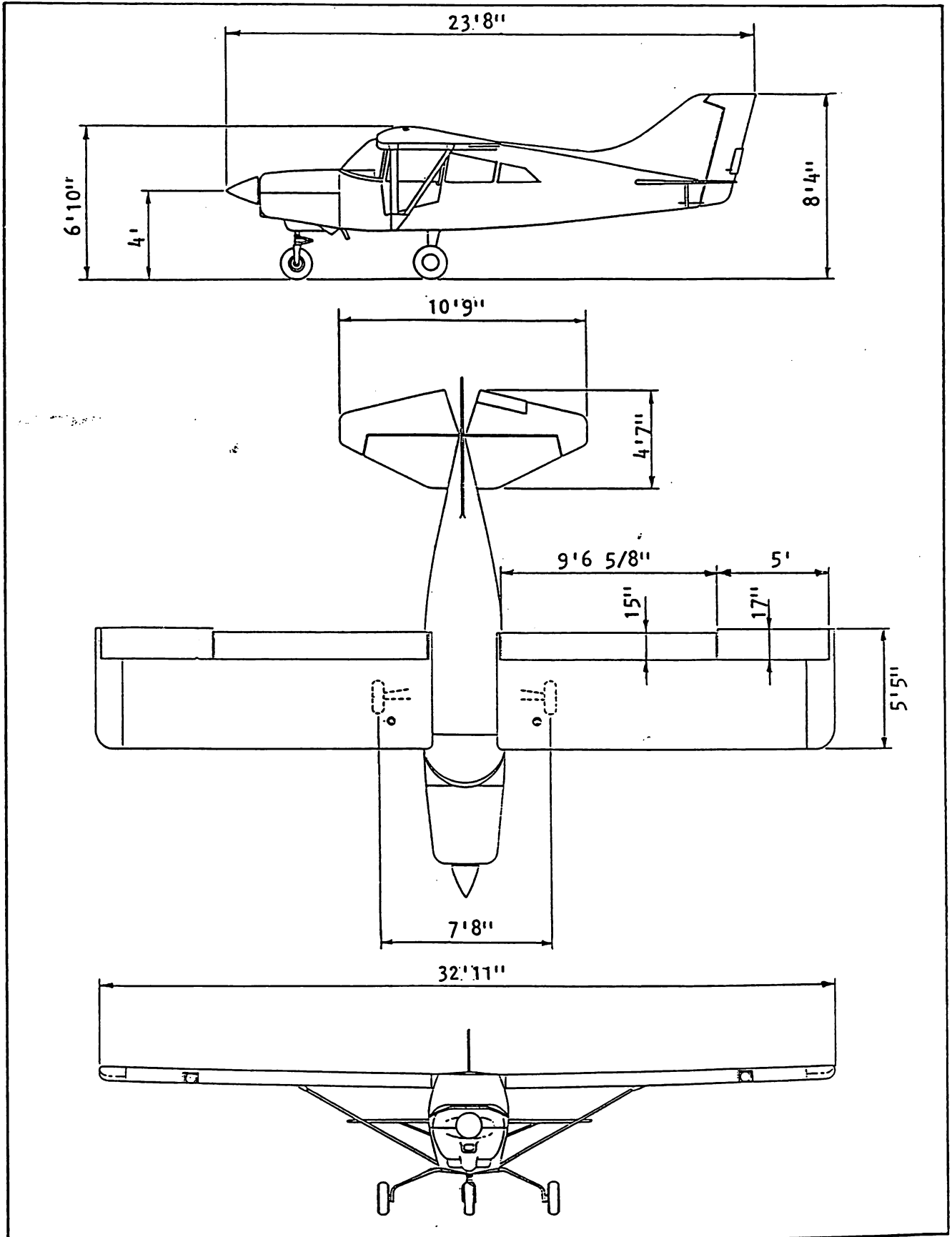
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SECTION I

GENERAL: NORMAL CATEGORY OPERATION

1.1 **MAXIMUM WEIGHT:** 2500 Pounds

1.2 **CENTER OF GRAVITY LIMITS:** +15.0 to +20.0 @ 2500 lbs.
+12.5 to +20.0 @ 1700 lbs. or less

Straight line variation between points given
Datum: Wing Leading Edge

NOTE: It is the responsibility of the pilot to assure that the airplane is properly loaded.
Refer to the Weight and Balance Data for baggage/cargo loading recommendations and loading graphs.

////////////////////
////CAUTION////
////////////////////
CHECK WEIGHT AND BALANCE CAREFULLY, ESPECIALLY WHEN USING THE 5TH SEAT OR WHEN CARGO OR BAGGAGE IS CARRIED IN THE REAR CABIN AREA. ALSO, FLIGHT PLANNING SHOULD INCLUDE ALLOWANCE FOR FORWARD C.G. SHIFT WITH FUEL BURN.

1.3 **MANEUVERS:** Only Normal Category Maneuvers including Stalls, Lazy Eights, Chandelles and steep turns involving bank angles not greater than 60° are approved in this airplane.

////////////////////
////CAUTION////
////////////////////
AEROBATICS AND INTENTIONAL SPINS PROHIBITED.

1.4 **FUEL CAPACITY:**

Usable Fuel: MAIN TANKS - 21.5 Gal. each
OPTIONAL AUXILIARY TANKS - 15.0 Gal. or 21.0 Gal. each*

Unusable Fuel: 2.3 Gallons per Main Tank

*Fuel Capacity - See Instrument Panel Placard for Auxiliary Tank configuration installed in this aircraft.

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

SECTION II

LIMITATIONS

2.1 **AIRPEED LIMITS:** All airspeeds are Indicated Airspeeds (IAS).

A. AIRSPEED INDICATOR MARKINGS:

Red Radial, (V_{NE}) - 182 mph (158K)

Yellow Arc, Caution Range - 147 - 182 mph (128 - 158K)

Green Arc, Normal Operating Range - 62 - 147 mph (54 - 128K)

White Arc, Flap Operating Range - 50 - 95 mph (43 - 83K)

B. EXPLANATION OF AIRSPEED INDICATOR MARKINGS:

Red Radial Line - Never Exceed Speed (V_{NE}) 182 mph (158K): Maximum safe airspeed in smooth air.

Yellow Arc - Caution Range, 147-182 mph (128-158K): Operation in this speed range should be conducted only in smooth air and control movements should not be large or abrupt.

Green Arc - Normal Operating Range, 62-147 mph (54-128K): Extends from flaps up, power off stall speed at 2500 lbs. (V_{S1}) to design cruise speed (V_C).

White Arc - Flap Operating Range, 50-95 mph (43-83K): Extends from full flap, power off minimum stall speed at 2500 lbs. (V_{S0}) to the Maximum flaps extended speed (V_{FE}).

2.2 POWER PLANT LIMITS:

Engine: Lycoming IO-540-V4A5

Engine Limits: 260 hp @ 2700 RPM, Full Throttle Continuous

Propeller: MT-Propeller: MTV-14-B/190-17
Hartzell: HC-C2YR-1BF/F8477D-6
HC-C3YR-1RF/F7693(F)-()*

McCaughey: B2D37C224-[]/[]-90RA-10.5 or -12
B3D32C414-[]/[]-82NDA-2 or -4

Fuel: 100/100LL Minimum Grade Aviation Gasoline

Engine Instrument Markings:

Cylinder Head Temperature: Green Arc - Normal Operating Range,
200°F - 435°F

Red Radial - Operating Limit, 500°F

Oil Temperature: Green Arc - Normal Operating Range,
140°F - 245°F

Red Radial - Operating Limit, 245°F

Oil Pressure: Green Arc - Normal Operating Range,
55 to 95 psi

Yellow Arc - Caution Range, 25 to 55
and 95 to 115 psi

Red Radial - Minimum Operating Pressure,
25 psi, Maximum Operating
Pressure, 115 psi

Manifold Pressure Green Arc - Normal Operating Range,
14.5 to 29 ins. of Mercury

Fuel Flow Red Radial - Maximum, 8.9 psi or 26.9 gph

Tachometer: Green Arc - Normal Operating Range,
2000 - 2700 RPM

Red Radial - Maximum RPM, 2700 RPM

* Limited to no dash number (78" diameter) to -2 (76" diameter)

- 2.3 FLIGHT LOAD FACTORS: Flaps Fully Retracted: 3.8g Positive to 1.5g Negative
Flaps Extended: 1.9g Positive to 0g Negative

NOTE: DESIGN MANEUVERING SPEED: The maximum safe airspeed at which full aerodynamic controls can be applied (V_A) is 125 mph (109K). This airspeed is not marked on the airspeed indicator.

2.4 PLACARDS:

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

"THIS AIRPLANE MUST BE OPERATED AS A NORMAL CATEGORY AIRPLANE IN COMPLIANCE WITH THE OPERATING LIMITATIONS STATED IN THE FLIGHT MANUAL AND IN THE FORM OF PLACARDS AND MARKINGS."

"NO AEROBATIC MANEUVERS INCLUDING SPINS, APPROVED."

"ROUGH AIR OR MANEUVERING SPEED: 125 MPH (109K) I.A.S."

"THIS AIRPLANE APPROVED FOR DAY OR NIGHT IFR NON-ICING FLIGHT WHEN EQUIPPED IN ACCORDANCE WITH FAR 91 OR FAR 135."

"DO NOT TURN OFF ALTERNATOR IN FLIGHT EXCEPT IN CASE OF EMERGENCY."

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

"SEE LOADING INSTRUCTIONS IN WEIGHT AND BALANCE SECTION OF AIRPLANE FLIGHT MANUAL."

"DEMONSTRATED CROSSWIND 14 MPH"

On the instrument panel at the auxiliary tank transfer switches:

FUEL TRANSFER PUMPS		
PUSH FOR		PUSH FOR
AUX. QUANT.		AUX. QUANT.
	LEFT	RIGHT

FUEL CAPACITY: MAIN TANKS 21.5 GAL. USABLE EACH, AUX. TANKS * GAL. USABLE EACH.

* 15 Gal. or 21 Gal. Instrument Panel Placard will show capacity of the tanks installed in this aircraft.

2.4 PLACARDS: (Cont'd)

At the main fuel tank selector valve on the left kick panel:

FUEL SELECTOR VALVE

LEFT: 21.5 GAL.
OFF BOTH
RIGHT: 21.5 GAL.

Located on flap control handle:

"FLAPS / PULL ON / 2ND NOTCH / TAKEOFF / 3RD NOTCH / LANDING."

In rear cabin area:

"CHECK WEIGHT AND BALANCE CAREFULLY WHEN USING 5TH SEAT OR
LOADING REAR/CARGO/BAGGAGE."

"MAX. REAR SEAT LOADING IS 170 LBS."

"CARGO OR BAGGAGE LIMITATIONS

MAX. LOAD AREA "A" 170 LBS.

MAX. LOAD AREA "B" 350 LBS.

MAX. LOAD AREA "C" 250 LBS.

FAA APPROVED

DATE: 4/17/98

REV. A dated: OCT 26 1998

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SECTION III

NORMAL PROCEDURES:

3.1 PREFLIGHT INSPECTION:

A. INTERIOR:

1. BAT Switch..... ON
2. Fuel Gauges..... CHECK INDICATIONS
3. Auxiliary Fuel Pumps..... ON, THEN OFF (LISTEN TO VERIFY OPERATION)
4. All Electrical Switches..... OFF
5. BAT Switch..... OFF
6. Flaps..... FULL DOWN (3RD NOTCH)

EXTERIOR: Begin at the left front door, proceed around the left wing to the nose area, then around the right wing and back to the fuselage, then around the tail section.

1. Fuel drains behind step..... DRAIN (2)
2. Left Flap..... CHECK HINGES & CONTROL ATTACHMENTS
3. Aileron..... CHECK HINGES & CONTROL ATTACHMENTS
4. Left Wing Top..... CHECK FOR WRINKLES AS INDICATION OF INTERNAL DAMAGE
5. Left Wing Main & Aux Fuel Tank Drain..... DRAIN (2)
6. Left Wing Tip & Nav Light..... CHECK FOR DAMAGE
7. Auxiliary Fuel Tank..... VISUALLY CHECK QUANTITY
8. Landing Light..... CHECK FOR DAMAGE
9. Left Wing Tiedown..... REMOVE
10. Pitot Tube..... REMOVE COVER
11. Stall Warning Switch..... CHECK FOR FREEDOM OF MOVEMENT
12. Main Fuel Tank..... VISUALLY CHECK QUANTITY
13. Left Landing Gear..... CHECK TIRE INFLATION AND BRAKE LINE SECURITY
14. Bottom left side of Cowl..... DRAIN GASCOLATOR (1)
15. Top Cowl, Oil Access Door..... CHECK OIL QUANTITY
16. Propeller..... CHECK LEADING EDGE FOR DAMAGE. CHECK SPINNER FOR SECURITY
17. Air Inlets..... CHECK FOR FOREIGN OBJECTS, INSPECT VISIBLE CONNECTIONS AND COMPONENTS

SECTION III

NORMAL PROCEDURES

3.1 - PREFLIGHT INSPECTION

A - INTERIOR

- 1. BAT Switch
 - 2. Fuel Gauges
 - 3. Auxiliary Fuel Tanks
 - 4. All Electrical Switches
 - 5. BAT Switch
 - 6. Seats
- NOTE: Begin at the left door, proceed around the left wing to the fuselage, then around the right wing and back to the fuselage, then around the tail section.
- 1. Fuel tanks behind seat
 - 2. Left Fuel
 - 3. Aft Fuel
 - 4. Left Wing Top
 - 5. Indication of internal damage
 - 6. Drain (s)
 - 7. Check for damage
 - 8. Visually check quantity
 - 9. Check for damage
 - 10. Remove cover
 - 11. Check for freedom of movement
 - 12. Visually check quantity
 - 13. Check tire inflation and brake line security
 - 14. Drain gas indicator
 - 15. Check oil quantity
 - 16. Check for foreign objects
 - 17. Inspect visible connections and components

BARBY

DATE: _____
BY: _____

3.1 PREFLIGHT INSPECTION: (Cont'd)

- | | |
|---|---|
| 18. Nose Gear | CHECK TIRE INFLATION & STRUT
EXTENSION, CLEAN STRUT |
| 19. Right Landing Gear..... | CHECK TIRE INFLATION &
BRAKE LINE SECURITY |
| 20. Right Wing & Controls..... | INSPECT SAME AS LEFT WING |
| 21. Wing Main & Aux Fuel Tank Drain..... | DRAIN (2) |
| 22. Right Fuselage, Side, Top & Bottom..... | INSPECT FOR WRINKLES
AS INDICATION OF
INTERNAL DAMAGE |
| 23. Right Side Static Port..... | CLEAR |
| 24. Right Stabilizer..... | CHECK ATTACHMENT POINTS
& FLYING WIRES |
| 25. Right Elevator..... | CHECK HINGE POINTS |
| 26. Rudder..... | CHECK HINGE POINTS,
CONTROL ATTACHMENT
& NAV. LIGHT |
| 27. Tail Skid..... | CHECK FOR DAMAGE,
REMOVE TIEDOWN |
| 28. Left Elevator..... | CHECK TAB CONTROLS
& ALL HINGE POINTS |
| 29. Left Stabilizer..... | CHECK ATTACHMENT POINTS
& STRUT |
| 30. Left Fuselage, Side, Top & Bottom..... | CHECK FOR WRINKLES AS
INDICATION OF INTERNAL
DAMAGE |
| 31. Left Side Static Port..... | CLEAR |

3.2 OPERATING CHECK LISTS:

A. BEFORE STARTING:

- | | |
|---|-----------|
| 1. Seat Belts & Shoulder Harnesses..... | FASTENED |
| 2. Flaps..... | RETRACTED |
| 3. Circuit Breakers..... | CHECK |

B. STARTING:

- | | |
|-------------------------------|--|
| 1. Parking or Toe Brakes..... | ON |
| 2. Fuel Selector Valve..... | ON FULLEST TANK, OR
BOTH IF SAME QUANTITY |
| 3. Throttle..... | OPEN 1/4 INCH |
| 4. Propeller Control..... | FULL INCREASE RPM |
| 5. Mixture Control..... | RICH (SEE NOTE NEXT
PAGE FOR HOT START) |
| 6. Anti-Collision Light..... | ON |

3.2 OPERATING CHECK LISTS: (Cont'd)

- 7. BAT and ALT Switch..... ON
- 8. Prime..... AS REQUIRED USING BOOST PUMP
- 9. Mixture Control..... FULL LEAN
- 10. Starter Switch..... TWIST FULL RIGHT TO ENGAGE
- 11. Mixture Control..... FULL RICH WHEN ENGINE
STARTS TO FIRE

NOTE: FOR A HOT START, DO NOT PRIME. A HOT ENGINE MAY FLOOD ON A START ATTEMPT. TO CLEAR A FLOODED ENGINE, PULL MIXTURE FULL LEAN AND OPEN THROTTLE, CRANK WITH STARTER. WHEN ENGINE STARTS, PULL THROTTLE TO IDLE AND EASE MIXTURE TO FULL RICH.

NOTE: FOR A COLD ENGINE (FIRST START OF THE DAY), PLACE MIXTURE TO FULL RICH, THROTTLE ¼" OPEN. PRIME WITH BOOST PUMP FOR 3 TO 5 SECONDS. IF ENGINE DOES NOT START, PRIME FOR ANOTHER 3 TO 5 SECONDS. OVER-PRIME CAN BE NOTED BY FUEL COMING FROM DRAIN IN CENTER OF BOTTOM COWL.

////////////////////
////CAUTION////
////////////////////
IN EVENT OF ENGINE FIRE, CONTINUE CRANKING. PULL MIXTURE TO FULL LEAN. IF ENGINE FAILS TO START AFTER SEVERAL REVOLUTIONS, AND FIRE CONTINUES, SECURE IGNITION, BAT. AND ALT. SWITCHES, TURN FUEL VALVE OFF AND EXIT AIRCRAFT.

- 12. After Starting..... CHECK OIL PRESSURE

////////////////////
////CAUTION////
////////////////////
IF OIL PRESSURE DOES NOT EXCEED 25 PSI WITHIN 30 SECONDS, SHUT DOWN ENGINE.

- 13. Alternator..... CHECK CHARGING
- 14. Radios & other electrical switches..... AS REQUIRED
- 15. Parking Brake..... OFF

C. ENGINE CHECK:

- 1. Parking Brake..... ON, IF DESIRED
- 2. Engine Instruments..... CHECK, IN GREEN ARCS
- 3. Throttle..... INCREASE TO 2000 RPM
- 4. Magnetos..... SWITCH TO RIGHT, LEFT,
BOTH, CHECKING RPM DROPS

////////////////////
////CAUTION////
////////////////////
A RPM DROP OF MORE THAN 175 RPM OR A DIFFERENCE BETWEEN LEFT AND RIGHT OF MORE THAN 50 RPM IS UNACCEPTABLE.

3.2 OPERATING CHECK LISTS: (Cont'd)

- 5. Propeller Control..... RETARD SLOWLY UNTIL MAXIMUM OF 500 RPM DROP IS NOTED. RETURN TO FULL RPM. REPEAT. SET FULL INCREASE RPM
- 6. Alternate Air Control..... TURN LEFT TO UNLOCK AND PULL. NORMAL RPM DROP WITH ALTERNATE AIR IS APPROXIMATELY 50 RPM
- 7. Alternate Air Control..... PUSH IN AND TURN RIGHT TO LOCK
- 8. Vacuum Gauge..... CHECK IN GREEN
- 9. Alternator..... CHARGING: LIGHT OUT ABOVE 900 RPM
- 10. Throttle..... RETARD TO IDLE
- 11. Parking Brake..... OFF

D. BEFORE TAKEOFF:

- 1. Fuel Selector..... ON FULLEST TANK OR BOTH
- 2. Flaps..... AS DESIRED FOR T.O. (MAX. 24°)
- 3. Trim Controls..... SET FOR TAKEOFF
- 4. Flight Controls..... CHECK FOR FREEDOM AND PROPER TRAVEL
- 5. Mixture Control..... FULL RICH
- 6. Propeller Control..... FULL INCREASE RPM
- 7. Alternate Air Control..... PUSH COLD
- 8. Engine Instruments..... RECHECK IN NORMAL RANGE
- 9. Radios..... AS DESIRED
- 10. Altimeter..... SET
- 11. Attitude Indicator..... CHECK ERECT
- 12. Directional Indicator..... SET
- 13. Seat Belts & Shoulder Harnesses..... RECHECK FASTENED
- 14. Doors..... CLOSED & LATCHED
- 15. Passengers..... BELTS & HARNESSSES SECURED. BRIEFED ON OPENING DOORS.
- 16. Parking Brake..... OFF

E. BEFORE LANDING:

- 1. Seat Belts & Shoulder Harnesses..... FASTENED
- 2. Fuel Selector Valve..... ON FULLEST TANK OR BOTH
- 3. Mixture Control..... FULL RICH
- 4. Propeller Control..... FULL INCREASE RPM
- 5. Flaps..... AS REQUIRED
- 6. Alternate Air Control..... IN AND LOCKED

3.2 OPERATING CHECK LISTS: (Cont'd)

F. ENGINE SHUT DOWN:

1. Parking Brakes..... ON, IF DESIRED
2. Radios..... OFF
3. All other electrical switches..... AS DESIRED
4. Flaps..... AS DESIRED
5. Magneto Grounding Check..... PERFORM BELOW 1000 RPM
6. Mixture Control..... FULL LEAN
7. Magneto Switch..... OFF
8. Anti-Collision Light..... OFF
9. BAT & ALT Switch..... OFF
10. Parking Brake..... OFF (AS DESIRED)

3.3 NORMAL FLIGHT OPERATIONS:

A. NOTE: FLAP SETTINGS:

The following Flap Settings are available:

Flap Configuration	Flap Handle Position	Flap Position
Cruise	Handle Full Down	-7°
Flaps Up	First Notch	0°
Takeoff	Second Notch	24°
Landing	Third Notch	40°

B. RECOMMENDED FLAP SETTINGS:

Flap settings are given in number of notches above the fully retracted position which is handle full down (Normal -7°).

NOTE: The airplane meets CAR 3 takeoff climb requirements at 90 mph IAS with the flaps selected in any of the following three positions: (a) Fully Retracted, Handle full down (-7°), (b) First Notch (0°), and (c) Second Notch (24°).

Normal Takeoff - Second Notch (24°)

Normal Climb - First Notch (0°)

Best Angle of Climb - Second Notch (24°)

Cruise - Fully retracted (-7°/no notches or 0°/1st notch)

Landing - Normally Third Notch (40°/full flaps) - other positions optional

3.3 NORMAL FLIGHT OPERATIONS: (Cont'd)

C. CLIMBING:

Best Rate of Climb - 90 mph IAS, flaps @ First Notch (0°)

Best Angle of Climb - 75 mph IAS with flaps set @ Second Notch (24°)

////////////////////
////CAUTION//// FOR TAKEOFF OR LANDING UNDER GUSTY CROSSWIND CONDITIONS,
//////////////////// FLAP SETTING OF 0° (one notch) IS RECOMMENDED. -7° OPTIONAL.

//////////////////// USE CLIMB AIRSPEED BELOW 90 MPH ONLY AS NECESSARY AND
////CAUTION//// CHECK CYLINDER HEAD TEMPERATURE FREQUENTLY WHEN
//////////////////// DOING SO.

D. RUDDER TRIM:

NOTE: To assure full effectiveness of the Right Rudder Trim:

Unlock "T" handle (1/2 turn left), depress right rudder as you pull "T" handle full out. Lock "T" handle 1/2 turn right before releasing right rudder pressure. If too much trim, move handle in until trim is correct and then lock.

E. STALLS:

Stalls are preceded by mild buffet that can be felt through the rudder pedals. The red stall warning light on the instrument panel will illuminate at 5 to 10 mph above the stall speed. Loss of altitude prior to recovery from a stall may be as much as 300 feet.

//////////////////// THE STALL WARNING LIGHT IS INOPERATIVE WHEN THE BATTERY
////CAUTION//// SWITCH IS OFF.
////////////////////

F. CROSSWIND LANDINGS & TAKEOFFS:

Maximum demonstrated crosswind component is 14 mph and flap extension should be limited to 0° (first notch) with such crosswind or higher. 14 mph is the maximum demonstrated for certification of the airplane and is not considered limiting with flaps at 0°.

Fuel is fed to the engine from the main (inboard) tanks and is controlled by the selector valve on the left kick panel. Auxiliary (outboard) tanks feed their respective main tanks via transfer pumps that are controlled by switches on the instrument panel.

G. FUEL SYSTEM MANAGEMENT:

These transfer pumps transfer fuel at a rate of 0.4 gallons per minute or approximately 45 minutes for a full auxiliary tank. Since overfilling a main tank from an auxiliary tank will force excess fuel overboard, it is recommended that the transfer pumps not be activated until their respective main tanks are slightly more than one quarter full. If the tank being transferred to is feeding the engine, however, transfer can be initiated when the main tank is down to approximately one half. Confirm fuel transfer by illumination of the transfer pump switch, an increase in the respective main tank fuel gauge indicator, and a decrease on the respective auxiliary tank indicator.

3.4 DOOR-OFF OPERATION:

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

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

3.5 NOISE LEVEL:

The noise level obtained during certification per FAR 36, Appendix G was:

with MT propeller	4 blade	74.8 dBA	
with Hartzell (78")	2 blade	78.0 dBA	
with McCauley (78")	2 blade	78.8 dBA	(79.5"): 80.1 dBA
with Hartzell	3 blade	78.0 dBA	
with McCauley (78")	3 blade	78.0 dBA	(80"): 78.2 dBA

The noise level obtained during certification per ICAO Annex 16 Chapter 10 was:

with MT propeller	4 blade	77.9 dBA	
with Hartzell (78")	2 blade	79.7 dBA	
with McCauley (78")	2 blade	80.2 dBA	(79.5"): 81.5 dBA
with Hartzell	3 blade	79.7 dBA	
with McCauley (78")	3 blade	79.7 dBA	(80"): 79.9 dBA
with Hartzell (81")	2 blade	82.9 dBA	

No determination has been made by the Federal Aviation Administration that the noise level of this airplane is or should be acceptable for operation at, into, or out of any airport.

3.6 ANTI-COLLISION LIGHT:

//////////////////// ANTI-COLLISION LIGHT MAY CAUSE ADVERSE EFFECT ON PILOT
////WARNING//// WHEN FLYING IN VISIBLE MOISTURE OVERCAST OR HAZE. IT IS
//////////////////// RECOMMENDED THAT IT BE TURNED OFF SHOULD PILOT
DISCOMFORT BE NOTICED.

SECTION IV

EMERGENCY PROCEDURES

4.1 **EMERGENCY BASIC RULES:**

To assist the pilot when an emergency occurs, three basic rules are established which apply to most emergencies occurring while airborne. Each aircrew member should remember them.

1. Maintain aircraft control
2. Analyze the situation and take proper action
3. Land as soon as conditions permit

4.2 **ENGINE EMERGENCY SHUT DOWN:**

1. Mixture - Full lean
2. Fuel Selector - Off
3. Ignition Switch - Off

4.3 **ENGINE FIRE DURING STARTING:**

1. Mixture - Full lean
2. Throttle - Open
3. Continue cranking for several revolutions. Attempt to draw fire inside engine.
4. Accomplish ENGINE EMERGENCY SHUT DOWN if fire continues.

4.4 **ENGINE FIRE AFTER STARTING:**

1. Accomplish ENGINE EMERGENCY SHUT DOWN
2. Master Switch - Off

4.5 **EMERGENCY EXIT ON THE GROUND:**

1. Accomplish ENGINE EMERGENCY SHUT DOWN
2. Master Switch - Off
3. Leave aircraft by either door or kick out side window panels or baggage door.

4.6 **TAKEOFF ABORT: (BEFORE LIFT-OFF)**

1. Throttle - Closed
2. Brakes - As Required

4.7 **ENGINE FAILURE AFTER TAKEOFF OR FORCED LANDING:**

1. Glide - Establish 80 mph IAS with flaps at 0°
2. Switch Fuel Selector to fullest tank

4.7 ENGINE FAILURE AFTER TAKEOFF OR FORCED LANDING: (Cont'd)

3. Electric Fuel Pump - On
4. Mixture Rich, Ignition On
5. Alternate Air Control - Pull On
6. If engine does not restart, accomplish EMERGENCY SHUT DOWN
7. Wing Flaps - As Required
8. Master Switch - Off

4.8 PARTIAL POWER FAILURE DURING FLIGHT OR AFTER TAKEOFF:

1. Mixture - Rich
2. Alternate Air Control - Pull On
3. Airspeed - Glide at 80 mph IAS if unable to maintain level flight
4. Fuel Selector - Both
5. Electric Fuel Pump - On
6. Ignition Switch - Both
7. Master Switch - On

4.9 COMPLETE POWER FAILURE DURING FLIGHT:

1. Glide - Establish 80 mph IAS
2. Attempt engine airstart if warranted

4.10 ENGINE AIRSTART:

1. Fuel Selector - Both
2. Electric Fuel Pump - On
3. Mixture - Rich
4. Ignition Switch - Both (start if propeller is not turning)
5. If engine does not start, try flooded engine clearing procedure with throttle wide open and mixture full lean.
6. If no start, make forced landing

NOTE: PROPELLER WILL NOT WINDMILL BELOW 70 MPH.

NOTE: AT ALTITUDES OVER 8000 FEET, A LEANER MIXTURE MAY BE REQUIRED.

4.11 ELECTRICAL FIRE:

1. Master Switch - Off

4.12 ENGINE FIRE DURING FLIGHT:

1. Accomplish ENGINE EMERGENCY SHUT DOWN
2. Make forced landing

4.13 SMOKE AND FUME ELIMINATION:

1. Cabin Heat Knob - In
2. Cabin Air Knob - In
3. Upper Air Vents - Open
4. Pilot's Window - Open (below 120 mph)

4.14 STRUCTURAL DAMAGE:

1. On Takeoff - Abort
2. In flight, maintain controllable airspeed
3. Climb to safe stall recovery altitude
4. Notify appropriate controlling agency, if appropriate.
5. Determine control difficulty airspeed by slowing down while flying straight ahead. Do not allow the aircraft to stall.
6. Make full stop landing using 5-10 mph above difficulty airspeed or above normal approach speed, whichever is higher.

4.15 RECOVERY FROM INADVERTENT SPINS:

Intentional spins are prohibited. If the aircraft inadvertently enters a spin, simultaneously apply full rudder opposite to the direction of rotation and full nose down elevator with ailerons neutral and reduce power to idle. When the rotation stops, neutralize the rudder and elevator, and ease back on the control wheel as required to smoothly regain level flight. Wing flaps should be retracted to avoid exceeding the maximum flap speeds during recovery.

4.16 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 the electrical load as much as possible, land as soon as practical and investigate the electrical system malfunction before further flight.

SECTION V

5.1 WEIGHT AND BALANCE:

Serial Number 27008C Registration Number N2021D

It is the responsibility of the airplane owner and the pilot to insure that the airplane is loaded properly. The empty weight, empty weight center of gravity and useful load are listed below for this airplane as reweighed after engine change. If the airplane has been altered, refer to the aircraft log and/or aircraft records for this information.

WEIGHT AND BALANCE DATA SUMMARY AS DELIVERED FROM THE FACTORY:

Basic Empty Weight (including engine oil)..... 1701 Lbs.
Gross Weight..... 2500 Lbs.
Useful Load..... 799 Lbs.
Empty Center of Gravity..... 11.82 Inches
Empty Weight Moment..... 20105.82 Inch Lbs.

CENTER OF GRAVITY RANGE:

<u>At Weight of</u>	<u>Center of Gravity Range</u>
2500 lbs.	+15.0 to +20.0 inches
1700 lbs.	+12.5 to +20.0 inches

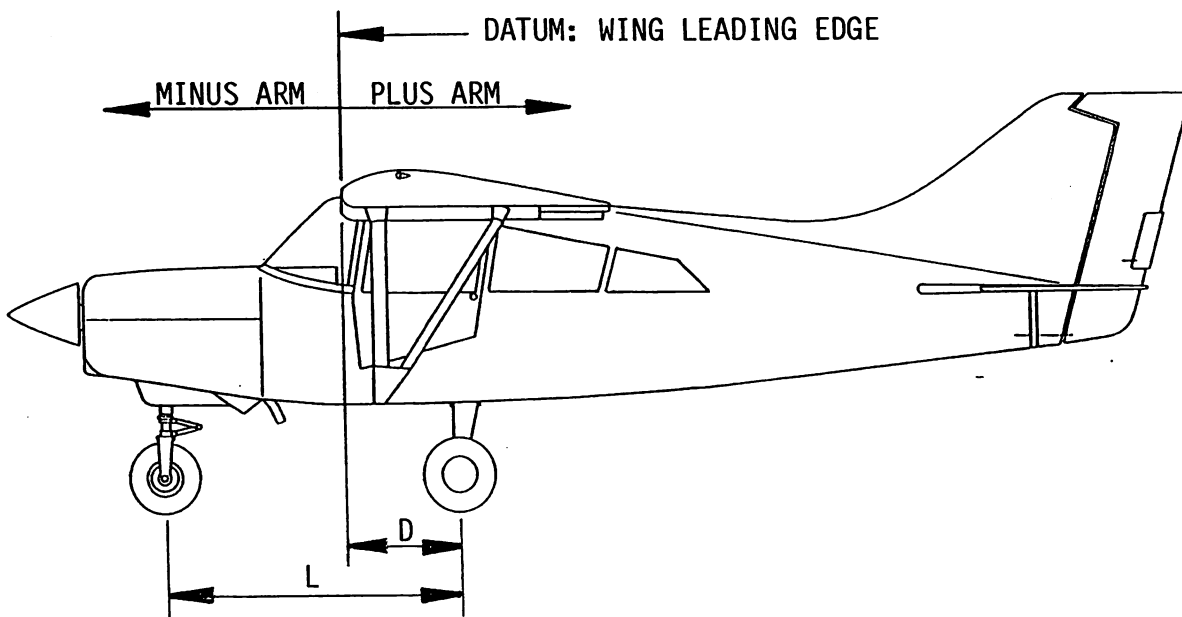
NOTE: Straight line variation between given points
DATUM: Wing leading edge

CERTIFIED BY *Charles Dwyer* DATE 02-09-2001

APR 17 1998

5.1 WEIGHT AND BALANCE: (Cont'd)

DETAILED CALCULATIONS OF EMPTY WEIGHT AND EMPTY WEIGHT CENTER OF GRAVITY AS DELIVERED FROM FACTORY:



PROCEDURE:

1. Place each of the wheels on a scale with the airplane in approximate level flight attitude.
2. Place a level on the leveling mark and leveling lug on the bottom of the right wing near the root. Adjust the extension of the nosewheel oleo until the aircraft is level, or flatten the tire if necessary.
3. Measure the following distances:

- a. Wheel base (L) - the horizontal distance from the nosewheel weight point (center of axle) to the main wheel weight point (center of axle).

$L = \underline{70.0}$ Inches

- b. Main Wheel Station (D) - the horizontal distance from the main wheel weight point (center of axle) to the datum line.

$D = \underline{31.0}$ Inches

4. Measure the weights at the following points:

a. Right Main Wheel..... = 610 Lbs.

b. Left Main Wheel..... = 625 Lbs.

c. Nosewheel, (N)..... = 466 Lbs.

Total Weight as Weighted (W) = 1701 Lbs.

APR 17 1998

5.1 WEIGHT AND BALANCE: (Cont'd)

The above empty weight includes unusable fuel of 27.6 lbs. at 24 inches and 8 quarts of oil at minus 34 inches, plus all items of equipment as marked on the accompanying Equipment Lists. The Certificated empty weight is the above weight less 16 lbs. drainable oil at a minus arm of 34 inches, and for this airplane is 1685 lbs. The corresponding empty weight center of gravity is 12.28 inches.

5. Calculations for determining weight, C.G. and moment:

a. Center of Gravity (inches) = $D - \frac{N \times L}{W}$

i.e., C.G. = _____ - _____ = _____ inches.

b. Moment (inch pounds) = $W \times C.G.$

i.e., Moment = _____ x _____ = _____ inch lbs.

EXAMPLE OF WEIGHT AND BALANCE CALCULATION FOR LOADED AIRCRAFT:

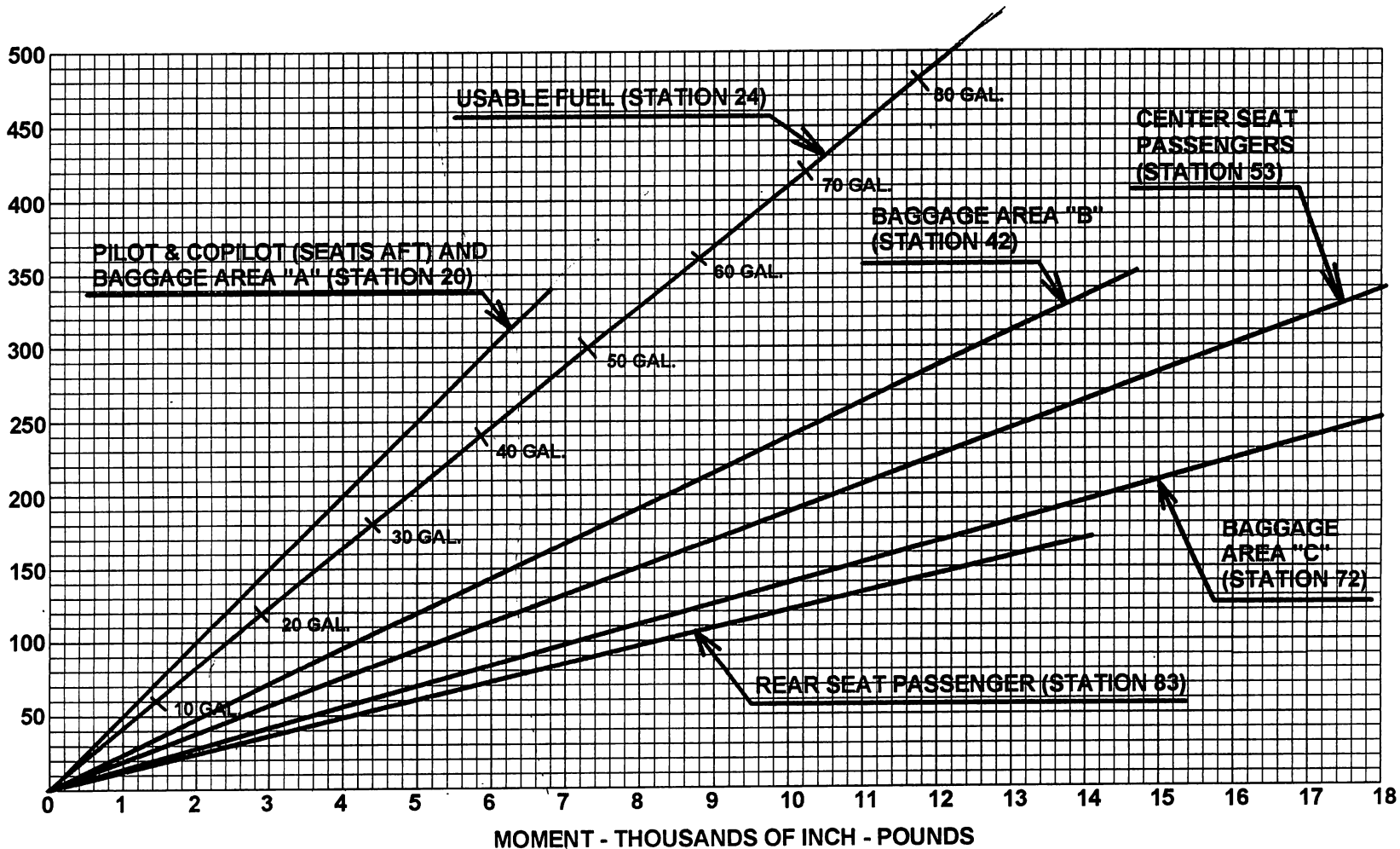
An airplane with an empty weight of 1549 lbs. and empty weight C.G. location of 11.2 inches is loaded with a pilot and front seat passenger, fuel and baggage.

Item	Weight, lbs.	C.G. Location	Moment, In.lbs.
Empty Weight (including engine oil)	1549	11.2	17,349
Pilot and Front Passenger	340	*	6,800
Fuel - 40 gal. in Mains plus 30 gal. in Auxiliary Tanks	420	*	10,080
Baggage (Area "C")	<u>150</u>	*	<u>10,800</u>
	2459	18.3	45,029

*Moments can be read directly from the loading graph.

By locating the point corresponding to 2459 lb. aircraft weight and a C.G. Location of 18.3 inches on the Center of Gravity envelope graph, you can see that this point falls within the envelope, signifying the loading is acceptable.

8691 130 9 2
26 OCT 1998

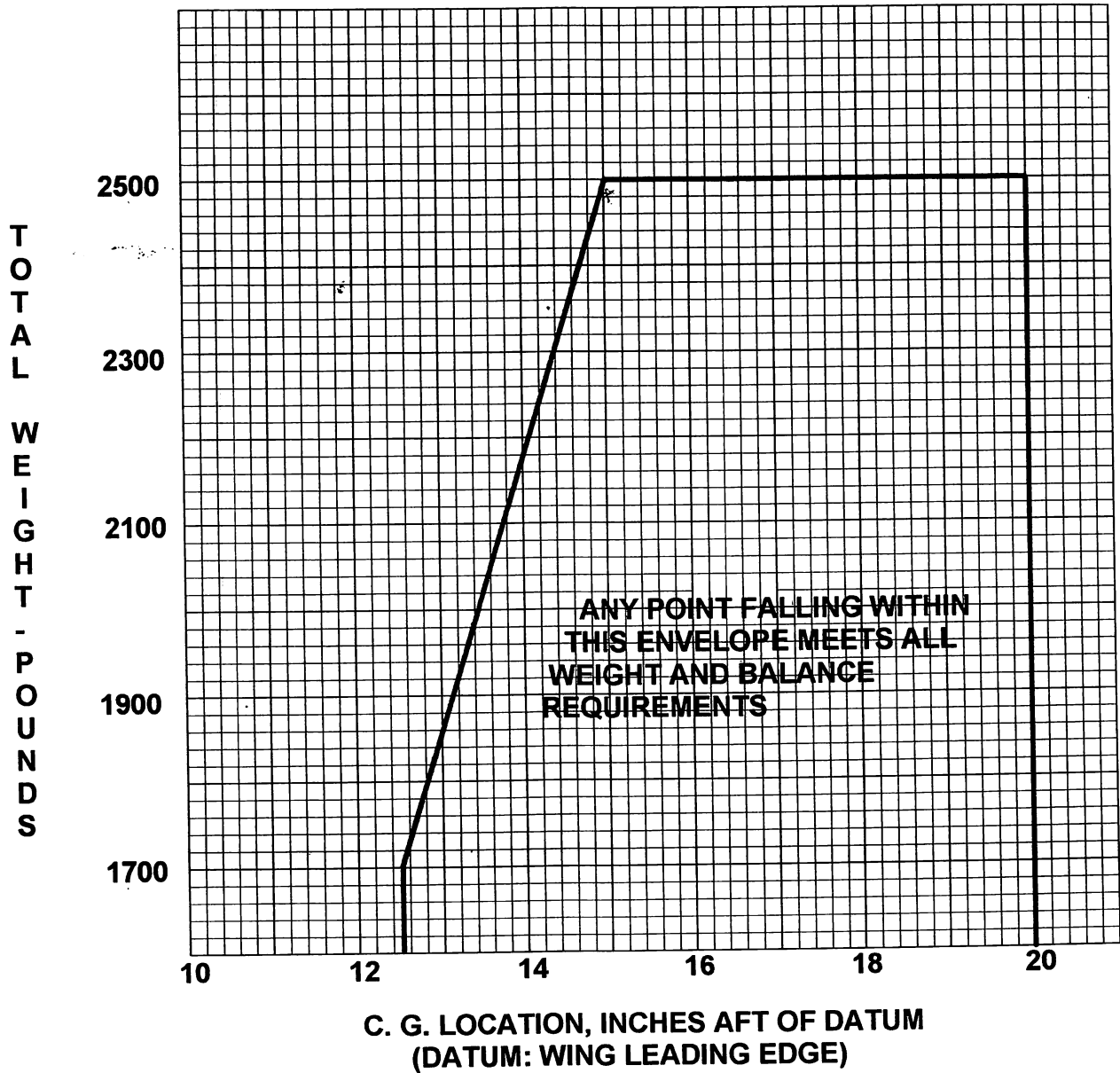


PROCEDURE FOR DETERMINING WEIGHT AND CENTER OF GRAVITY

LOADING GRAPH

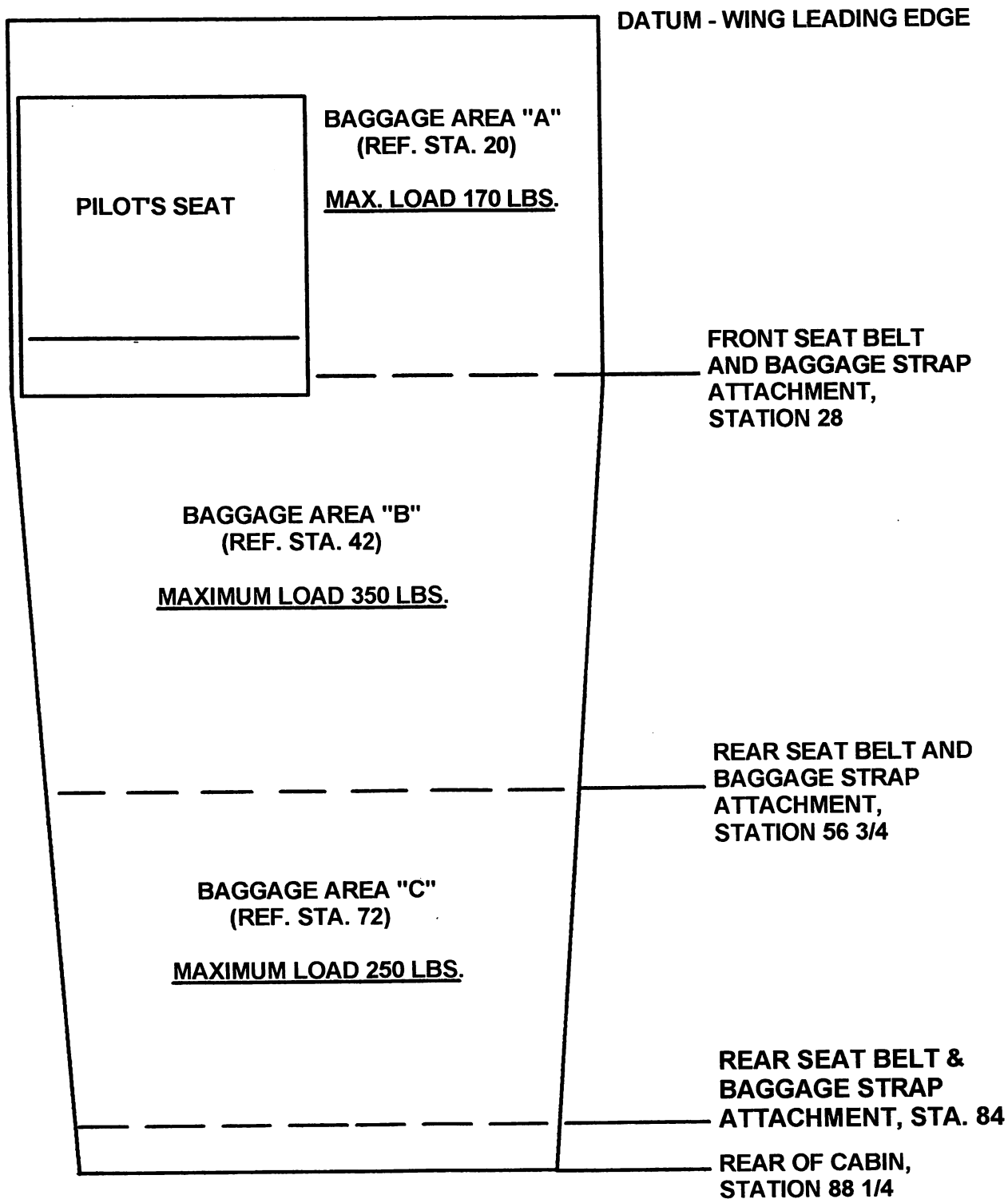
1. Add weight of items to be carried to the licensed empty weight of the aircraft.
2. Find moments of items to be carried by using the above loading graph and add these moments to the empty moment of the aircraft. Divide total moment by total weight for aircraft C.G. location.
3. Using the C.G. location from Step 2, find the point on the Weight and Balance Envelope.

WEIGHT AND BALANCE ENVELOPE



MAULE MT-7-260

STRUCTURAL CAPACITY CHART



APR 17 1998

SECTION VI

AIRCRAFT SERVICING, HANDLING AND MAINTENANCE

6.1 INTRODUCTION:

Our dealers and distributors are anxious to serve you and will gladly furnish advice as to proper servicing methods. You may also address request for information on any items not covered in the manual to the Service Department of Maule Air, Inc. In correspondence, please be certain to give complete information on Serial Number, engine make and model, etc.

The aircraft Type Data Plate can be found on the left side of the vertical fin just above the horizontal stabilizer. Also, pertinent engine and propeller data is in the aircraft Log Book.

A Service Manual is furnished with each aircraft. Extra copies and a Parts Manual can be obtained by contacting the Service Dept. of Maule Air, Inc.

6.2 AIRPLANE INSPECTION PERIOD:

The airplane must be maintained as outlined in FAR 43. Recommended inspections are outlined in the airplane Maintenance Manual. The owner/operator is responsible for Airworthiness Directives (AD's) that may be issued from time to time. Reference should be made to FAR 91 and FAR 43 requirements for properly certified agency or personnel to accomplish the required FAA inspection and most of the manufacturer's recommended inspections. It is recommended that owner's name and address along with aircraft serial number be registered with Maule Air for any Maule Service Letters or Bulletins released affecting their aircraft.

6.3 PREVENTIVE MAINTENANCE THAT MAY BE ACCOMPLISHED BY A CERTIFIED PILOT:

A. A certified pilot who owns or operates an airplane not used as an air carrier is authorized by FAR Part 43 to perform limited preventive maintenance on his airplane. Refer to FAR Part 43 for list of things the pilot may do. Pilots operating aircraft of other than U.S. registry should refer to the regulations of the country of certification for information on preventive maintenance that may be performed by pilots. All other maintenance required on airplane is to be accomplished by appropriately licensed personnel and that airplane dealer or service station should be contacted for further information.

B. Preventive maintenance should be accomplished in accordance with the appropriate airplane Maintenance Manual. Manual should be obtained prior to performing preventive maintenance to be sure that proper procedures are followed.

6.4 ALTERATIONS OR REPAIRS TO AIRPLANE:

Alterations or repairs to airplane must be accomplished by licensed personnel. The FAA should be contacted prior to any alterations on airplane to insure that Airworthiness of the airplane is not violated.

FAA APPROVED:

DATE: APR 17 1998

REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

PROPELLER AND ACCESSORIES

1. PROPELLER

A. Hartzell

1.	HC-C2YR-1BF/F7666A	(M5/6/MX7/MXT7180/MX7180B/C)	56.0	-61.3
2.	HC-C2YR-1BF/F8468A-6R	(M5/6/8/MX7/MT7235/M7235/A/B/C)	50.0	-61.5
3.	HC-C2YR-1BF/F8468A-3R	(M5/6/8/MX7/MT7235/M7235/A/B/C)	51.0	-61.5
4.	HC-C2YR-1BF/F8477D-6*	(M5/6/8/MX7235/M7235/A/B/C/MT7260/M7260/C)	50.0	-61.5
5.	HC-C3YR-1RF/F7693(F)-(*)	(M5/6/8/MX7235/M7235/A/B/C/MT7260/M7260/C)	73.0	-61.5

(-3R with 7:00 min. tires/26 psi min.) (*For -235, use with O-540-J3A5/B4B5 engines only)

B. McCauley

1.	B3D32C414-[]/[-82NDA-4	(M6/M7/M8/MX7/MT7/235/260/A/B/C)	66.5	-61.5
✓ 2.	B3D32C414-[]/[-82NDA-2	(M5/6/8/MX7/MT7235/260/M7235/A/B/C/260/C)	67.0	-61.5
3.	B2D37C224-B/G-90RA-9*	(M5/6/8/MX7/MT7235/M7235/A/B/C)	48.5	-61.5
4.	B2D37C224-[]/[-90RA-12	(MT7260/M7260/C)	48.5	-61.5
5.	B2D37C224-[]/[-90RA-10.5	(MT7260/M7260/C)	48.5	-61.5

(-9 with 7:00 min. tires/26 psi min.; * foreign use only with -260)

C. Sensenich

1.	74DM7S5-0-52	(MXT7/MX7-160/160C only)	36.3	-60.5
2.	74DM7S5-0-54	(MXT7/MX7-160/160C only)	36.3	-60.5
3.	74DM7S5-0-56	(MXT7/MX7-160/160C only)	36.3	-60.5
4.	74DM7S8-0-52	(MXT7/MX7-160/160C only)	36.3	-60.5
5.	74DM7S8-0-54	(MXT7/MX7-160/160C only)	36.3	-60.5
6.	74DM7S8-0-56	(MXT7/MX7-160/160C only)	36.3	-60.5
53 7.	76EM8S5-0-56	(MXT7-180A/MX7-180A/AC only)	36.4	-60.5
53 8.	76EM8S8-0-56	(MXT7-180A/MX7-180A/AC only)	36.4	-60.5

D. MT

1.	MTV-14-B/190-17	(MT7260/M7260/C)	49.2	-61.5
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2. SPINNER & BULKHEAD ASSEMBLY

A. Hartzell

1.	A2298-2	(Use with propeller A.1,2,3,4 only)	4.0	-62.2
2.	82C-3535-1P	(Use with propeller A.5 only)	5.0	-62.2

B. McCauley

✓ 1.	D-6240	(Use with propeller B.1,2 only)	4.2	-62.3
2.	D-6195	(Use with propeller B.3,4,5 only)	5.5	-62.3

C. Sensenich

1.	S74DM	(Use with propeller C.1-6 only)	4.8	-61.5
2.	S76EM	(Use with propeller C.7,8 only)	4.6	-61.5

D. MT

1.	P-238-A-1	(Use with propeller D.1 only)	3.8	-61.5
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REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

3. GOVERNOR (Not used with Fixed Pitch Propellers)

A. Woodward

	1.	H210681	(O-360 only)	4.5	-52.5
	2.	B210761	(O-540-J/IO-540-W only)	4.5	-52.5
	3.	F210681*	(O-540-J/IO-540-W only)	4.5	-52.5
	4.	E210761	(O-540-B only)	4.5	-52.5

(*Refer to AD #81-25-01 for eligibility information.)

B. McCauley

	1.	C290D3(X)/T30	(O-540-J/IO-540-W only)	2.8	-52.5
	2.	C290D3(X)/T31	(O-540-B only)	2.8	-52.5
	3.	C290D3(X)/T29	(O-360 only)	2.8	-52.5
	4.	DC290D1(X)/T14	(O-540-J/IO-540-W only)	2.8	-52.5
	5.	DC290D1(X)/T15	(O-540-B only)	2.8	-52.5
	6.	DC290D1(X)/T12	(O-360 only)	2.8	-52.5
✓	7.	DC290D1(X)/T33	(IO-540-V only)	2.8	-52.5

ENGINE AND ACCESSORIES

4. ENGINE

A. Textron/Lycoming

53	1.	O-360-C1F	(M5/6/MX7/MXT7-180/MX7/MXT7-180A/MX7-180B/C/AC)	288.2	-42.2
	2.	O-540-J1A5D	(M5/6/8/MX7-235/M7-235/A/B/C)	390.1	-39.6
	3.	IO-540-W1A5D	(M5/6/8/MX7/MT7-235/M7-235/A/B/C)	395.5	-39.6
	4.	O-540-B4B5	(M5/6/8/MX7-235/M7-235/A/B/C)	395.6	-39.5
	5.	O-320-B2D	(MX7-160/C/MXT7-160 only)	282.5	-42.2
	6.	O-540-J3A5	(M5 6/8/MX7-235/M7-235/A/B/C)	395.2	-39.6
	7.	IO-540-W1A5	(M5/6/8/MX7/MT7-235/M7-235/A/B/C)	394.0	-39.6
53	8.	O-360-C4F	(MX7/MXT7-180A/MX7-180AC)	293.0	-42.2
✓	9.	IO-540-V4A5	(MT7-260/M7-260/C)	402.5	-39.6

5. OIL COOLER

A. Harrison

	1.	8529245	(O-320/ O-360/IO-540 only)	3.5	-26.0/-25.0
	2.	8534108	(O-540-J only)	3.5	-45.0

B. Niagara

	1.	20003A	(O-360/O-320 only)	3.5	-26.0
	2.	20006A, 20003A	(O-540 only)	3.5	-45.0
	3.	20003A	(IO-540 -235 only)	3.5	-25.0
✓	4.	20006A	(IO-540 -260 only)	3.5	-25.0

ELECTRICAL

6. BATTERY

REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N2ORD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

A. Exide

1.	AC78M	(12 volt)		27.0	**
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B. Rebat

1.	R-35M	(12 volt)		26.4	**
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C. Willard

1.	W-78M	(12 Volt)		27.0	**
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D. Concorde

1.	CB 35M	(12 volt)		26.5	**
2.	RG-35A	(12 volt)		29.5	**
✓	RG-35AXC	(12 volt)		32.0	**

E. Teledyne/Gil

1.	G-35M	(12 volt)		27.0	**
2.	G-243	(28 volt)		28.0	***
3.	G-35S	(12 volt)		27.0	**

** Battery Arm: -19.5" for MX7-160/C/180A/B/C/AC/MXT7-160/180/A; 13" for M5/6/MX7-180; 95" (lt. side) or 112" (rt. side) for M7/MT7; 96" (lt. side) or 108" (rt. side) for M5/6/8/MX7-235.
Note: M7 s/n's 400IC-4016C, 4019C and 4020C, battery installed at 13" arm.



*** Battery Arm: 14" for MX7-160/C/180A/B/C/AC/MXT7-160/180/A; 96.4" (lt. side) or 95.6" (rt. side); for M7/MT7; 101.1" for M8/MX7-235.



7. BATTERY SOLENOID

A. White Rodgers/RBM/Essex

✓	1.	71-111221-5	(14 volt)	(M5/6/MX7-180)	.9	12.5
				(MX7-160/C/180A/B/C/AC/MXT7-160/180/A)	.9	-18.0
				(M7/MT7, lt. side)	.9	80.0
				(M7/MT7, rt. side)	.9	106.5
				(M5/6/8/MX7-235)	.9	101.5



53	2.	71-117226-5	(28 volt)	(MX7-160/C/180A/B/C/AC/MXT7-160/180/A)	.8	12.5
				(M7/MT7, lt. side)	.9	80.0
				(M7/MT7, rt. side)	.8	106.5
				(M8/MX7-235)	.8	101.5



8. STARTER SOLENOID

A. Prestolite

1.	SAZ-4201E			.7	-18.0
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B. White Rodgers/RBM Controls/Essex

✓	1.	70-112225-5	(14 volt)		.7	-18.0
	2.	70-118225-5	(28 volt)		.7	-18.0

REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

9. ELECTRICAL FUEL PUMP

A. Dukes Astronautics

	1.	1184-00-1 (O-320/-360/-540 only) (14 volt)	2.1	-20.0
	2.	1184-00-3 (O-320/-360/-540 only) (14 volt)	2.1	-20.0
	3.	1471-00-1 (IO-540 only) (14 volt)	2.1	-20.0
✓	4.	1471-00-3 (IO-540 only) (14 volt)	2.1	-20.0
	5.	4140-00-400 (O-320/-360/-540) (28 volt)	2.1	-20.0
	6.	4140-00-401 (IO-540) (28 volt)	2.2	-20.0

10. ALTERNATOR CONTROL**

A. Precision Airmotive Corporation/Lamar, Inc.

✓	1.	B-00371-8 (14 volt)	.3	-16.0
	2.	B-00368-12 (28 volt)	.3	-16.0

** For Alternator Control System prior to Precision Airmotive (Lamar) Alternator Control System: Voltage Regulator p/n VSF-7203(S) (Prestolite); Over-Voltage Relay p/n FOC-4002A (Prestolite).

11. PANEL LIGHT DIMMER

A. Precision Airmotive Corporation/Lamar, Inc.

✓	1.	B-00396-1 (14/28 volt)	.3	-16.0
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INSTRUMENTS NOTE: REQUIRED INSTRUMENT MARKINGS TO BE PER AFM/AFMS.

12. STALL WARNING

A. Maule

✓	1.	6016F	.1	1.5
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13. COMPASS

A. Hamilton Instruments

	1.	HI-400	.6	-2.0
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B. Airpath

	1.	C-2300	.8	-2.0
	2.	C-2300-DL	.8	-2.0
	3.	C-2400-LP	.8	-2.0
✓	4.	C-2400-L4P	.8	-2.0

14. ALTIMETER

A. Kollsman

	1.	C-12	1.0	-2.0
	2.	C-13	1.0	-2.0
	3.	B-11	1.0	-2.0

REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N2ORD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

B. Aerosonic

1.	101720-01545	1.0	-2.0
2.	101720-01546 (Mb)	1.0	-2.0
3.	12003	1.0	-2.0
4.	101720-01694	1.0	-2.0

C. Aeritalia

1.	16030SK	1.2	-2.0
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D. United Instrument/Mitchell

1.	5934-1 code A68 (InHg)	1.0	-2.0
2.	5934P-1 code A83 (InHg w/Barber pole)	1.0	-2.0
3.	5934PM 1 code A84 (Mb w/Barber pole)	1.0	-2.0
4.	5934D-1 code A129 (Dual-Mb/InHg)	1.0	-2.0
5.	5934PD-1 code A130 Dual-Mb/InHg w/Barber pole)	1.0	-2.0
6.	5934M-3 code A73 (Mb)	1.0	-2.0
✓ 7.	5934P-3 code A83 (InHg w/Barber pole)	1.0	-2.0

E. Reporting Altimeters per Section 5.C of Optional Equipment List.

15. AIRSPEED

A. Aerosonic

1.	230-217-56-1210	.8	-2.0
2.	230-220-56-1210	.8	-2.0
3.	230-40-201-2	.8	-2.0
4.	230-217-56-1410	.8	-2.0
5.	S15KAW	1.0	-2.0
6.	20025-01200	.8	-2.0
7.	20025-01208	.8	-2.0
8.	S18KAW-1	.8	-2.0

B. EDO-Aire/Sigma Tek, Inc.

1.	EA5171-01	.7	-1.0
2.	EA5171-02 MAL	.6	-1.0
3.	EA5171-03 MAL	.6	-1.0
4.	EA5171-04 MAL	.6	-1.0
5.	EA5171-05 MAL	.6	-1.0
6.	EA5171-06 MAL (MX-7-180/MXT-7-180A)	.6	-1.0
7.	EA5171-07 MAL (M-6/MX-7-235)	.6	-1.0
8.	EA5171-08 MAL (M-7-235)	.6	-1.0
✓ 9.	EA5171-09 MAL (MXT7-180/M7-235B/C/260/C/MT7-235/260) (MPH/K)	.6	-1.0
10.	EA5171-010 MAL (MXT7-180/M7-235B/C/260/C/MT7-235/260) (K)	.6	-1.0
11.	EA5174-01	.7	-1.0
12.	EA5174-02 PT-MAL	.7	-1.0
13.	EA5174-03 PT-MAL (TAS)	.7	-1.0
14.	EA5174-02 PTL-MAL (MXT7-180/M7-235B/C/260/C/MT7-235/260) (TAS)	.7	-1.0
15.	EA5174-01 PTL-MAL	.7	-1.0

REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

C. United Instruments, Inc.

	1. UI8000-B690		.7	-1.1
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16. INSTRUMENT CLUSTER

A. MAULE

<input checked="" type="checkbox"/>	1. 7040B		1.0	-0.6
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17. MANIFOLD PRESSURE/FUEL PRESSURE (O-360/O-540 only)

A. AeroSonic

	1. 735-102		1.0	-1.5
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B. EDO-Aire/Sigma Tek

	1. IU028-005-38		1.0	-1.0
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C. Castleberry Instruments & Avionics, Inc.

	1. 6331 H 14		1.0	-1.0
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D. United Instrument, Inc.

	1. UI6333-H.170		1.0	-1.0
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18. FUEL PRESSURE GAUGE (O-320/O-360 w/fixed pitch only)

A. United Instruments

	1. 6213		.5	-1.0
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19. MANIFOLD PRESSURE/FUEL FLOW (IO-540 only)

A. A.I.D.

	1. 21-1003-1		1.0	-1.5
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B. United Instruments, Inc.

<input checked="" type="checkbox"/>	1. UI6333-H.151		1.0	-1.5
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C. Sigma-Tek

	1. 1U028-005-65		1.3	-1.5
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20. TACHOMETER

A. Stewart-Warner

	1. 551-AWB (O-360/O-320 only)		.8	-1.1
	2. 551-ACR		.8	-1.1
	3. 551-ASJ		.8	-1.1

B. AC

	1. RT-7		.8	-1.1
	2. AC6412611		.8	-1.1

REQUIRED EQUIPMENT LIST

SERIAL NO. 270080 REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

C. Aerosonic

1.	70-108		.8	-1.1
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D. Mitchell

1.	98480-23	(O-540/IO-540 only)	.8	-1.1	
2.	98480-24	(O-360/O-320 only)	.8	-1.1	
✓	3.	CD-122-5005	(O-320-B2D,O-360-C4F (Fixed Pitch), IO-540-V4A5)	.8	-1.1
	4.	D1-112-5024	(O-360-C1F - Fixed Pitch)	.8	-1.1
	5.	CD-122-5004	(O-360-C1F - Constant Speed)	.8	-1.1
	6.	CD-122-5006	(O-540-J1A5D/J3A5, IO-540-W1A5D/W1A5)	.8	-1.1
	7.	CD-122-5008	(O-540-B4B5)	.8	-1.1

E. Electronic International

1.	R-1-4-G30R270	(O-320-B2D,O-360-C4F)	.6	-1.8
2.	R-1-4-G30R215G235R270	(O-360-C1F - Fixed Pitch)	.6	-1.8
3.	R-1-4-G30R200G225R270	(O-360-C1F - Constant Speed)	.6	-1.8
4.	R-1-6-G30R240	(O-540-J1A5D/J3A5)	.6	-1.8
5.	R-1-6-G30R240	(IO-540-W1A5D/W1A5)	.6	-1.8
6.	R-1-6-G30R257	(O-540-B4B5)	.6	-1.8
7.	R-1-6-G30R270	(IO-540-V4A5)	.6	-1.8

LANDING GEAR

21. TIRES w/TUBES (2 ea.) TYPE III 4/6 PLY TO TSO C62b

✓	A.	6:00 x 6	(Nosewheel - 1 each)	8.3	-41.0
✓	B.	7:00 x 6	(For Trigear Mains)	16.6	30.4
	C.	7:00 x 6	(For Tailwheel Models)	23.6	-2.5
	D.	8:00 x 6	(For Tailwheel Models only)	25.2	-2.5
	E.	8:50 x 6	(For Tailwheel Models only)	38.2	-2.5

22. MAIN WHEEL (2 ea.)

A. Cleveland

✓	1.	40-97D		12.4	-2.5
	2.	40-75D (Dual)	(For-Tailwheel Models only)	12.8	-2.5
	3.	40-28		10.2	-2.5
	4.	C38500HA		10.2	-2.5

23. BRAKES - MAIN WHEEL (2 ea.)

A. Cleveland

✓	1.	30-63E		1.9	-2.5
	2.	30-52N (Dual)		2.9	-2.5
	3.	30-18		1.5	-2.5
	4.	C2000		1.8	-2.5
	5.	30-52K (Dual)		2.9	-2.5

REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

24. TAILWHEEL (Tailwheel Models only)

A. MAULE

1.	SFS-P8A-1-2	7.0	185.0
2.	SFS-P8B-1-2	8.0	185.0

SAFETY BELTS

25. FRONT SEAT BELT & SHOULDER HARNESS ASSEMBLIES (2 ea.)

A. AM-Safe, Inc.

1.	500661-401	2.6	36.0
2.	500661-405	2.6	36.0
3.	500661-413	2.6	36.0
4.	502338-413 (R) I-417 (L) (Rotary Buckle)	2.6	37.0
5.	502338-423 (R) I-425 (L) (Rotary Buckle)	2.5	37.0

B. Pacific Scientific (Rotary Buckle)

1.	1101020-7 (L)/-9 (R) (Lap Belt)	1.6	36.0
2.	2B25A(X)-15 (Shoulder Harness)	.9	38.0

C. Davis

✓ 1.	FDC-6400-568-2/4	2.6	36.0
2.	FDC-8300-64R-080		36.0
3.	FDC-8300-64L-080		36.0

26. REAR SEAT BELT (1 ea.) & SHOULDER HARNESS/LAP BELT ASSEMBLIES (2 ea.)

A. Rupert

1.	Series MM 65-80 AC (Lap Belt - Double Occupant)	.6	52.0
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B. AM-Safe, Inc.

1.	500915-3 (Lap Belt - Double Occupant)	.6	52.0
2.	500661-409 (Shoulder Harness & Lap Belt)	2.5	55.0/80.0

C. Davis

✓ 1.	FDC-6400-568-1/3	2.6	55.0/80.0
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27. CARGO & LUGGAGE STRAPS

A. Kine-Dyne

✓ 1.	3101003GO72-022 (Front)	.8	43.5
✓ 2.	3101003GO72-022 (Rear)	.8	71.0

LIGHTS

28. NAVIGATION LIGHTS - WING

A. Whelen Engineering Co.

✓ 1.	A650 PR (Red) (Power Supply A490-T-DF-14)	1.8	17.5
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REQUIRED EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N2ORD PROD. NO. 2299

NOTE: Equipment items installed below are designated by circle

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

<input checked="" type="checkbox"/>	2.	A650 PG (Green)	(Power Supply A490-T-DF-14)	1.8	17.5
<input type="checkbox"/>	3.	62-A470-W	(Power Supply A490-T-DF-14)	.5	37.9
<input type="checkbox"/>	4.	A650 PR (Red)	(Power Supply A490-T-DF-28) (28 V)	1.8	17.5
<input type="checkbox"/>	5.	A650 PG (Green)	(Power Supply A490-T-DF-28) (28 V)	.8	17.5

B. See Optional Equipment List, Section 1.A, Items 1, 2 and 5.

29. NAVIGATION LIGHTS - TAIL

A. Grimes

<input type="checkbox"/>	1.	Type A-2064 (14 or 28 volt)		.2	199.0
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B. Luminator Aircraft

<input checked="" type="checkbox"/>	1.	5107 C14B		.2	199.0
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EMERGENCY LOCATION TRANSMITTERS

30. ELT

A. Leigh

<input type="checkbox"/>	1.	7H-2-190 Mod. # Type AF/AP/P		2.3	18.8
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B. Narco

<input type="checkbox"/>	1.	ELT-10		3.5	18.8
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C. Emergency Beacon Corp.

<input type="checkbox"/>	1.	EBC-102A		1.2	36.7
<input checked="" type="checkbox"/>	2.	EBC-502		2.8	36.7

D. Merl, Inc.

<input type="checkbox"/>	1.	Model #79007-P		2.5	20.0
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TRIPLE AEROSPACE TECHNOLOGY, INC.

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M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

REV. 53

DATE: 11/07/00

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N2ORD PROD. NO. 2299
 NOTE: Equipment items installed below are designated by check marks.
 CATEGORY, MANUFACTURER AND PART OR MODEL NO. _____ WEIGHT (Lbs) _____ ARM (Ins) _____

1. ANTI-COLLISION LIGHTS**A. STROBES**

1. Grimes

<input type="checkbox"/>	a. 30-0550-2-14 (Dual Red)	4.1	11.8
<input type="checkbox"/>	b. 30-0550-16-14 (Dual White)	4.1	11.8
<input type="checkbox"/>	c. 30-0550-19-14 (Nav/Strobes)	2.6	16.5

2. SDI Hoskins

<input type="checkbox"/>	a. 701750-215	1.3	9.0
<input type="checkbox"/>	b. 701144-2	1.5	10.0
<input type="checkbox"/>	c. 701144	1.3	9.0

3. Scientifico

<input type="checkbox"/>	a. Model 1400 (Top)	.4	37.9
<input type="checkbox"/>	b. Model 1400 (Bottom)	.4	-24.0

4. Aeroflash

<input type="checkbox"/>	a. X2FS (Top)	.5	37.9
<input type="checkbox"/>	b. X2FS (Bottom)	.5	-24.0

5. Grimes

<input type="checkbox"/>	a. Type 1285, Red (Left) (14 or 28 volt)	.3	16.0
<input type="checkbox"/>	b. Type 1285, Green (Right) (14 or 28 volt)	.3	16.0

B. LANDING LIGHT PULSER

1. Precise Flight, Inc.

<input type="checkbox"/>	a. 1210/2405-2	.8	-9.0
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Note: Flasher Unit Mode 902-12 to be installed with 4.a & 4.b.

2. COMMUNICATION AND NAVIGATION EQUIPMENT**A. COMM/NAV TRANSCEIVERS**

1. EDO-Aire

<input type="checkbox"/>	a. RT-553/553A	5.5	-5.5
<input type="checkbox"/>	b. RT-563/563A	7.9	-5.5

2. King

<input type="checkbox"/>	a. KX 125	4.0	-5.0
<input type="checkbox"/>	b. KX 145	3.8	-3.9
<input type="checkbox"/>	c. KX 155	5.0	-5.0
<input type="checkbox"/>	d. KX 165	5.0	-5.0
<input type="checkbox"/>	e. KX 170B	7.1	-5.5
<input type="checkbox"/>	f. KX 175B	7.1	-5.5

3. Genave

<input type="checkbox"/>	a. Alpha/200B		
<input type="checkbox"/>	b. Alpha/360		
<input type="checkbox"/>	c. Alpha/500		
<input type="checkbox"/>	d. Alpha/600		

4. Narco

<input type="checkbox"/>	a. Escort 110	4.1	-6.0
<input type="checkbox"/>	b. MK-12D w/GS	5.2	-5.0
<input type="checkbox"/>	c. MK-12D w/o GS	4.8	-5.0

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. NZORD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

5.	Terra			
<input type="checkbox"/>	a. TXN 920		3.0	-5.2
<input type="checkbox"/>	b. TXN 960		4.6	-5.2
B. COMMUNICATION TRANSCEIVER				
1. Bendix				
<input type="checkbox"/>	a. RT-241B			
2. Collins				
<input type="checkbox"/>	a. VHF-251		3.8	-6.0
3. EDO-Aire				
<input type="checkbox"/>	a. RT-551/551A		3.3	
<input type="checkbox"/>	b. RT-661/661A			
<input type="checkbox"/>	c. RT-771			
<input type="checkbox"/>	d. RT-773			
4. Genave				
<input type="checkbox"/>	a. Alpha/10			
<input type="checkbox"/>	b. Alpha/100			
<input type="checkbox"/>	c. Alpha/100-360			
5. King				
<input type="checkbox"/>	a. KY-92			
<input type="checkbox"/>	b. KT-96			
<input type="checkbox"/>	c. KY-195B			
<input type="checkbox"/>	d. KY-197			
6. Narco				
<input type="checkbox"/>	a. Com 10/10A		4.3	-5.5
<input type="checkbox"/>	b. Com 11A/11B		3.3	-5.5
<input type="checkbox"/>	c. Com 111/111B			
<input type="checkbox"/>	d. Com 120			
7. Terra				
<input type="checkbox"/>	a. TX 720		1.3	-5.3
C. HIGH FREQUENCY TRANSCEIVERS				
1. Pantronics				
<input type="checkbox"/>	a. Pan Com DX10-DA			
<input type="checkbox"/>	b. Pan Com DX10-RA			
<input type="checkbox"/>	c. Pan Com PT10-A			
<input type="checkbox"/>	d. Pan Com SB-10			
<input type="checkbox"/>	e. Pan Com TSB-10			
D. RADIO POWER SUPPLY				
1. Narco				
<input type="checkbox"/>	a. T-12-MP-12A1		4.0	16.5
2. King				
<input type="checkbox"/>	a.		3.3	16.5
3. Collins				
<input type="checkbox"/>	a. PWC-150		1.5	
E. NAVIGATION (VOR) RECEIVERS				
1. Bendix				
<input type="checkbox"/>	a. RN-242A			

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
 MT-235/260/M7-235/A/B/C/260/C/420A/C/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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DATE: 11/07/00

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

2.	Collins			
<input type="checkbox"/>	a. VIR-351		3.1	-5.5
<input type="checkbox"/>	b. VIR-350			

3.	EDO-Aire			
<input type="checkbox"/>	a. R-552			
<input type="checkbox"/>	b. R-554			
<input type="checkbox"/>	c. R-662			
<input type="checkbox"/>	d. R-664			

4.	Narco			
<input type="checkbox"/>	a. NAV 11		2.5	-5.5
<input type="checkbox"/>	b. NAV 12		2.5	-5.5
<input type="checkbox"/>	c. NAV 14		7.2	-5.3
<input type="checkbox"/>	d. NAV 111			
<input type="checkbox"/>	e. NAV 112			
<input type="checkbox"/>	f. NAV 114			
<input type="checkbox"/>	g. NAV 121			
<input type="checkbox"/>	h. NAV 122			
<input type="checkbox"/>	i. NAV 122A			
<input type="checkbox"/>	j. NAV 824 (VOR/LOC Rec.)		3.1	-5.5
<input type="checkbox"/>	k. NAV 825 (VOR/LOC/GS Rec.)		3.3	-5.5

5.	Terra			
<input type="checkbox"/>	a. TN 200		1.6	-5.3

F. VOR INDICATORS

1.	EDO-Aire			
<input type="checkbox"/>	a. CID-552A			
<input type="checkbox"/>	b. CID-554A			
<input type="checkbox"/>	c. CID-662			
<input type="checkbox"/>	d. CID-664			
<input type="checkbox"/>	e. R-772			
<input type="checkbox"/>	f. CID-774			

2.	King			
<input type="checkbox"/>	a. KI-203			
<input type="checkbox"/>	b. KI-204			
<input type="checkbox"/>	c. KI-205			
<input type="checkbox"/>	d. KI-206			
<input type="checkbox"/>	e. KI-207			
<input type="checkbox"/>	f. KI-208			
<input type="checkbox"/>	g. KI-209			
<input type="checkbox"/>	h. KI-201C			
<input type="checkbox"/>	i. KI-214			
<input type="checkbox"/>	j. KI-226			
<input type="checkbox"/>	k. KNI-520-01			
<input type="checkbox"/>	l. KI-521			
<input type="checkbox"/>	m. KI-211			
<input type="checkbox"/>	n. KI-212			

3.	Bendix			
<input type="checkbox"/>	a. IN-244A			
<input type="checkbox"/>	b. IN-245A			
<input type="checkbox"/>	c. RN-242			
<input type="checkbox"/>	d. GM-247			

4.	Collins			
<input type="checkbox"/>	a. IND-350			

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
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- | | | | |
|--------------------------|-------------|--|--|
| <input type="checkbox"/> | b. IND-351 | | |
| <input type="checkbox"/> | c. IND-351C | | |

5. Genave

- | | | | |
|--------------------------|--------------|--|--|
| <input type="checkbox"/> | a. Theta/300 | | |
| <input type="checkbox"/> | b. Theta/400 | | |

6. Narco

<input type="checkbox"/>	a. NAV 10	1.7	-5.5
<input type="checkbox"/>	b. DGO 9/9A		
<input type="checkbox"/>	c. DGO 10		
<input type="checkbox"/>	d. VOA-40	1.8	-3.8
<input type="checkbox"/>	e. VOA-40M	2.8	-3.8
<input type="checkbox"/>	f. VOA-50	1.8	-3.8
<input type="checkbox"/>	g. VOA-50M	2.9	-3.8
<input type="checkbox"/>	h. VOA-8	2.8	-4.0
<input type="checkbox"/>	i. VOA-9	2.9	-4.0
<input type="checkbox"/>	j. NAV/111		-3.3
<input type="checkbox"/>	k. NAV/11	2.5	-5.5
<input type="checkbox"/>	l. NAV/12	2.5	-5.5
<input type="checkbox"/>	m. NAV/14	7.2	-5.3
<input type="checkbox"/>	n. CLC-60		
<input type="checkbox"/>	o. NAV/112		
<input type="checkbox"/>	p. NAV/114		
<input type="checkbox"/>	q. NAV/124		
<input type="checkbox"/>	r. ID 824	.9	-2.0
<input type="checkbox"/>	s. ID 825	1.0	-2.0

G. VOR/LOC CONVERTER

1. King

- | | | | |
|--------------------------|----------|--|--|
| <input type="checkbox"/> | a. KN 72 | | |
|--------------------------|----------|--|--|

2. Narco

- | | | | |
|--------------------------|-----------|--|--|
| <input type="checkbox"/> | a. OC 110 | | |
|--------------------------|-----------|--|--|

H. AUTOMATIC DIRECTION FINDERS

1. King

<input type="checkbox"/>	a. KR 85	5.1	-3.2
<input type="checkbox"/>	b. KR 86	3.9	-4.0
<input type="checkbox"/>	c. KR 87		

2. Narco

<input type="checkbox"/>	a. ADF 141	6.3	36.7
<input type="checkbox"/>	b. PDF-35	4.3	-4.7
<input type="checkbox"/>	c. ADF 140		
<input type="checkbox"/>	d. RMI 35		
<input type="checkbox"/>	e. RMI 140		

3. EDO-Aire

<input type="checkbox"/>	a. R-556D	8.5	
<input type="checkbox"/>	b. R-556E		

4. Bendix

- | | | | |
|--------------------------|-------------------|--|--|
| <input type="checkbox"/> | a. ADF-T-12 C/D | | |
| <input type="checkbox"/> | b. 201C/201D/201F | | |

5. Collins

<input type="checkbox"/>	a. RCR-650	2.3	-4.2
<input type="checkbox"/>	b. ADA-650		

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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OPTIONAL EQUIPMENT LIST

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 NOTE: Equipment items installed below are designated by check marks.
 CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

6. Genave
 a. Sigma/1500

I. ADF INDICATORS

1. Bendix
 a. 551A
 b. 55IRL

2. Collins
 a. IND-650

.6 -1.7

3. King
 a. KI 225
 b. KI 227

4. Narco
 a. ADF 101

J. GLIDE SLOPE AND MARKER RECEIVERS

1. King
 a. KR 21
 b. KN 73
 c. KN 75
 d. KA 40
 e. KR 22

2. Bendix
 a. GM-247A

3. Narco
 a. UGR 2 & 2A
 b. UGR 3
 c. MBT

4. Genave
 a. Delta/300
 b. Delta/303/303R
 c. PHI/20

5. EDO-Aire
 a. R-775/775R

6. Collins
 a. MKR-350
 b. GLS-350

.7 -2.0
 .3 -5.3

7. Terra
 a. TGS 40

.3 -5.3

K. TRANSPONDERS

1. Bendix/King
 a. KT 76/76A
 b. KT 78/78A
 c. KT 76C

3.0 -5.0
 3.0 -5.0
 2.4 -5.0

(Maule Dwg 7211A)

2. Narco
 a. AT-50A
 b. AT-150

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. NZORD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

3.	EDO-Aire			
<input type="checkbox"/>	a. RT-667/667A		3.9	-5.0
<input type="checkbox"/>	b. RT-777		3.3	-5.0
<input type="checkbox"/>	c. RT-787			
<input type="checkbox"/>	d. RT-887			-5.0

4.	Genave			
<input type="checkbox"/>	a. Beta/4096			
<input type="checkbox"/>	b. Beta/500			
<input type="checkbox"/>	c. Beta/5000			

5.	Bendix			
<input type="checkbox"/>	a. TPR-660			
<input type="checkbox"/>	b. TR-661A			

6.	Collins			
<input type="checkbox"/>	a. TDR-950		2.0	-5.0

7.	Terra			
<input type="checkbox"/>	a. TRT 250		1.7	-5.2

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8.	Garmin			
<input type="checkbox"/>	a. GTX-327 (Maule Dwg 7227A)		2.2	-3.6

L. DISTANCE MEASURING EQUIPMENT

1.	King			
<input type="checkbox"/>	a. KN 61			
<input type="checkbox"/>	b. KN 62/62A/64		2.6	-5.3
<input type="checkbox"/>	c. KN 65/65A			
<input type="checkbox"/>	d. KN 63			

2.	Narco			
<input type="checkbox"/>	a. DME 190			
<input type="checkbox"/>	b. DME 195			
<input type="checkbox"/>	c. DME 890		3.9	-5.0
<input type="checkbox"/>	d. IDME 891		2.6	-4.6

M. MARKER LIGHTS

1.	King			
<input type="checkbox"/>	a. KA 40			
2.	Collins			
<input type="checkbox"/>	a. MKL-350		.3	-0.2

N. AUDIO CONTROL PANELS

1.	King			
<input type="checkbox"/>	a. KMA 20-03		2.3	
<input type="checkbox"/>	b. KMA 20-04		2.3	
<input type="checkbox"/>	c. KMA 24		1.7	-2.6
<input type="checkbox"/>	d. KA 134			

2.	Narco			
<input type="checkbox"/>	a. CP 125			
<input type="checkbox"/>	b. CP 126			
<input type="checkbox"/>	c. CP 127			
<input type="checkbox"/>	d. CP 135/135M			
<input type="checkbox"/>	e. CP 136/136M			

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
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3. Bendix		
<input type="checkbox"/> a. AS-248A		
4. Collins		
<input type="checkbox"/> a. AUD-250/250D	1.5	-2.8
<input type="checkbox"/> b. AMR-350/350H	1.8	-2.9
5. EDO-Aire		
<input type="checkbox"/> a. A/AM-550		
<input type="checkbox"/> b. AM-660		
<input type="checkbox"/> c. A-770	2.0	
6. Genave		
<input type="checkbox"/> a. TAU/200		
7. Terra		
<input type="checkbox"/> a. TMA 230	1.1	-2.8
8. PS Engineering		
<input checked="" type="checkbox"/> a. PM100H-100011 (Maule Dwg 7217A)	.8	-2.8
<input type="checkbox"/> b. PMA6000M (Maule Dwg 7221A)	.8	-3.4
<input type="checkbox"/> c. PMA7000S (M-S) (Maule Dwg 7223A)	1.5	-3.4
<input type="checkbox"/> d. PMA6000M-S (Maule Dwg 7233A)	.8	-3.4
O. ISOLATION AUDIO AMPLIFIER		
1. King		
<input type="checkbox"/> a. KA 25A	1.3	
P. ANTENNA		
1. Narco		
<input type="checkbox"/> a. Loop ADF 01073-101		
<input type="checkbox"/> b. UDA-3 DME (for IDME 891)	.5	
2. Bendix		
<input type="checkbox"/> a. 2321E		
<input type="checkbox"/> b. AT-662A		
3. Collins		
<input type="checkbox"/> a. ANT-251	.8	
<input type="checkbox"/> b. ANT-650	2.3	
4. EDO-Aire		
<input type="checkbox"/> a. AT-551A		
<input type="checkbox"/> b. AT-556A		
<input type="checkbox"/> c. AT-774A		
<input type="checkbox"/> d. AT-775A		
5. Meridian Electronics		
<input type="checkbox"/> a. MB-5	.9	95.0
<input type="checkbox"/> b. MB-7	.9	95.0
<input type="checkbox"/> c. BB-9	.4	7.0
<input checked="" type="checkbox"/> d. BB-16	.3	7.0
<input type="checkbox"/> e. 354	.6	.0
<input checked="" type="checkbox"/> f. M809	.4	160.0
<input type="checkbox"/> g. VHF-1	.2	7.0



MAULE AEROSPACE TECHNOLOGY, INC.

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 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

6.	Maule			
<input type="checkbox"/>	a. Sense Antenna 7030B		.2	7.0
7.	Genave			
<input type="checkbox"/>	a. Broad Band Lamba/100		.3	7.0
<input type="checkbox"/>	b. Marker Beacon Lamba/75		.8	95.0
<input type="checkbox"/>	c. Lamba/1000			
8.	King			
<input type="checkbox"/>	a. KA 22	<input type="checkbox"/>	d. KA 42	<input type="checkbox"/>
<input type="checkbox"/>	b. KA 23	<input type="checkbox"/>	e. KA 42B	<input checked="" type="checkbox"/>
<input type="checkbox"/>	c. KA 32	<input type="checkbox"/>	f. KA 44B	g. KA 48
				h. KA 60
<input type="checkbox"/>	9. Pantronics Deluxe Ant. Loading Unit SB10-RL			
<input type="checkbox"/>	10. Pantronics Deluxe Ant. Loading Unit DX10-RL			
<input type="checkbox"/>	11. Pantronics Manual Load Unit DX10ML			
<input type="checkbox"/>	12. Pantronics Manual Reel Ant. Kit DX10-MR			
<input type="checkbox"/>	13. Pantronics Electric Reel Ant. Kit DX-EA-12			
14.	Comant			
<input type="checkbox"/>	a. CI 121 SP (For Apollo I Rec.)		.9	43.0
15.	SRD Labs			
<input type="checkbox"/>	a. LW-209 (For L-NAV 25 Rec.)		.7	43.0
16.	Texas Instrument			
<input type="checkbox"/>	a. 2480191-0001 (For TI 9100 Rec.)		.9	43.0
17.	ARNAV Systems			
<input type="checkbox"/>	a. 455-6054 (For ARNAV 20 Rec.)		.8	43.0
18.	Foster Airdata Systems			
<input type="checkbox"/>	a. NY154 (For LRN500/F4 Rec.)		.5	43.0
19.	Trimble			
<input type="checkbox"/>	a. 16248-20 (For TNL 2000 GPS)		.4	44.6
Q.	MICROPHONES			
1.	EDO-Aire			
<input type="checkbox"/>	a. M-551		.6	13.5
2.	Electro Voice			
<input type="checkbox"/>	a. 205-STC			
3.	Telex			
<input type="checkbox"/>	a. 66CRA			
<input checked="" type="checkbox"/>	b. 66T			
<input type="checkbox"/>	c. 5 by 5 MARK II (Headset)			
R.	SPEAKERS			
1.	Jensen			
<input type="checkbox"/>	a. P5VA			

MAULE AEROSPACE TECHNOLOGY, INC.

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CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
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<input type="checkbox"/> b. C7788-4		
2. Utah Electronics		
<input type="checkbox"/> a. A5C115		
<input type="checkbox"/> b. A46FC		
3. Quam-Nichols		
<input checked="" type="checkbox"/> a. 46C5FR	1.0	28.5

S. AREA NAVIGATION SYSTEMS

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1. Bendix/King		
<input type="checkbox"/> a. KN 74		
<input type="checkbox"/> b. KNS-80	6.0	-6.0
<input type="checkbox"/> c. KLX-135A (GPS/COMM) (Maule Dwg 7219A)	5.0	-5.2
2. Collins		
<input type="checkbox"/> a. ANS 351		
3. SRD Labs		
<input type="checkbox"/> a. L-NAV 25 Loran C Nav System	3.2	-5.0
4. Texas Instrument		
<input type="checkbox"/> a. TI 9100 Loran C Nav System	8.2	-5.0
5. Il Morrow		
<input type="checkbox"/> a. Apollo I Nav System	3.7	-5.6
<input type="checkbox"/> b. Apollo II Nav System	3.7	-5.6
6. Northstar Avionics		
<input type="checkbox"/> a. Northstar MI Loran C Nav System	4.2	-5.3
7. Foster Airdata Systems		
<input type="checkbox"/> a. F4 Phoenix	4.5	-6.0
<input type="checkbox"/> b. LRN500	3.7	-6.0
8. Trimble		
<input type="checkbox"/> a. TNL 2000 GPS Navigator	3.4	-6.0
9. Garmin		
<input type="checkbox"/> a. GNC 300	2.4	-2.8
<input type="checkbox"/> b. GNS-430 (GPS/NAV/COMM) (Maule Dwg 7205A)	6.5	-5.1
<input type="checkbox"/> c. GNC-300XL (GPS/COMM) (Maule Dwg 7207A)	3.4	-2.3
<input checked="" type="checkbox"/> d. GNC-250XL (GPS/COMM) (Maule Dwg 7209A)	2.1	-2.3

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T. PUSH TO TALK SWITCHES

1. Telex	
<input type="checkbox"/> a. PT-200	

U. TRANSCOM SYSTEMS

1. David Clark		
<input type="checkbox"/> a. ISOCOM Voice Activated	0.7	-3.0
2. Sigtronics		
<input type="checkbox"/> a. Transcom SPA-400	0.6	-2.0

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CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
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V. STEREOCOM SYSTEMS

1. Sigtronics'

<input type="checkbox"/> a. Stereocom-400	0.5	-9.0
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W. COURSE DEVIATION INDICATOR (CDI)

1. Terra

<input type="checkbox"/> a. TRI NAV	2.3	-2.3
<input type="checkbox"/> b. TRI NAV C	1.3	-2.3

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2. Garmin

<input type="checkbox"/> a. GI-106A (per Maule Dwg 7215A)	1.4	-1.9
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X. NAV CONVERTER

1. Century

<input type="checkbox"/> a. 1C707-1	0.7	-15.1
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Y. GPS/NAV SW/ANNUNCIATOR

53

1. Garmin

<input type="checkbox"/> a. 013-00029-10 (28v) or -11 (14v) (per Maule Dwg 7213A)	0.8	-2.0
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Z. HORIZONTAL SITUATION INDICATOR (HIS)

1. Century

<input type="checkbox"/> a. NSD360A-15 (per Maule Dwg 7225A)	4.6	-4.3
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Aa. VOLTAGE CONVERTERS

53

1. Garmin

<input type="checkbox"/> a. 011-00181-00 (28v/14v) (per Maule Dwg 7229A)	4.5	18.0
<input type="checkbox"/> b. 013-00051-00 (14v/28v) (per Maule Dwg 7231A)	2.3	18.0

3. VACUUM SYSTEM

A. DRY AIR PUMP

1. Airborne Mechanisms (Reciprocating engines only)

<input type="checkbox"/> a. 200 cc	3.5	
<input type="checkbox"/> b. 205 cc	2.3	
<input type="checkbox"/> c. 211 cc	1.8	
<input type="checkbox"/> d. 215 cc	1.9	
<input type="checkbox"/> e. 225 cc		

2. Airborne Mechanisms (Turbine engines only)

<input type="checkbox"/> a. 212 cw	1.8	-39.5
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3. Sigma-Tek (previously EDO-Aire)

<input type="checkbox"/> a. IU128-002 (Reciprocating engines only)		
<input type="checkbox"/> b. IU128-003 (Reciprocating engines only)		
<input checked="" type="checkbox"/> c. IU128-006 (Reciprocating and Turbine engine)		

B. VACUUM REGULATOR

1. Airborne Mechanisms

<input type="checkbox"/> a. 133A4	.6	-15.5
<input checked="" type="checkbox"/> b. 2H3-12	.4	-16.3

C. AIR FILTER

1. RC Allen

<input type="checkbox"/> a. J4161-01		
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(934) 788-7318

AR

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MAULE AEROSPACE TECHNOLOGY, INC.

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CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
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2. Airborne Mechanisms		
<input checked="" type="checkbox"/> a. 1J7-1	.5	-14.2

D. VACUUM GAUGE

1 Airborne Mechanisms		
<input type="checkbox"/> a. 1G3-1	.7	-0.8
<input type="checkbox"/> b. 1G3-4	.7	-0.8

2. Aerosonic		
<input type="checkbox"/> a. 09007-0117	.7	-0.8

3. UMA		
<input type="checkbox"/> a. 3-200-1	1.0	-0.8
<input checked="" type="checkbox"/> b. 3-200-12	1.0	-0.8

4. VACUUM INSTRUMENTS

A. DIRECTIONAL GYRO

1. Aeritalia		
<input type="checkbox"/> a. 31100C	1.8	-2.8

2. Aerosonic		
<input type="checkbox"/> a. ANS-20	2.5	-2.8

3. RC Allen		
<input type="checkbox"/> a. RCA 11A/-10	3.3	-2.8
<input checked="" type="checkbox"/> b. RCA 11A-8	3.3	-2.8
<input type="checkbox"/> c. 15AK1-14V (14 Volt)	2.3	-3.3
<input type="checkbox"/> d. 15BK1-28V (28 Volt)	2.3	-3.3

4. EDO-Aire/Sigma Tek		
<input type="checkbox"/> a. IU262-001-9/4000 B-8	2.6	-3.0
<input type="checkbox"/> b. IU262-001-39/4000 B-30	2.6	-3.0

5. Sperry		
<input type="checkbox"/> a. A5737-1	3.3	-2.8

6. Jack & Heintz		
<input type="checkbox"/> a. JH5500		

B. ARTIFICIAL HORIZON

1. Aerosonic		
<input type="checkbox"/> a. ANS-30	2.5	-2.0

2. RC Allen		
<input type="checkbox"/> a. RCA-20	3.3	-2.3
<input type="checkbox"/> b. RCA-21	2.2	-2.3
<input type="checkbox"/> c. RCA-21-23	2.2	-2.3
<input checked="" type="checkbox"/> d. RCA 22-7	2.2	-2.3
<input type="checkbox"/> e. 26AK2-14V (14 Volt)	2.3	-3.4
<input type="checkbox"/> f. 26BK2-28V (28 Volt)	2.3	-3.4

3. Jack & Heintz		
<input type="checkbox"/> a. JH6500		

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CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (In)
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4.	Sperry		
<input type="checkbox"/>	a. A5736-1	4.4	-2.5
5.	Southwestern Industries		
<input type="checkbox"/>	a. AO-10-2	2.5	-4.0
6.	EDO-Aire/Sigma Tek		
<input type="checkbox"/>	a. 23-501-06-9/5000B-20 <i>(Blue/black display)</i>	2.0	-3.0
<input type="checkbox"/>	b. 23-501-06-16/5000B-36 <i>(Blue/brown display)</i>	2.0	-3.0
<input type="checkbox"/>	c. 23-501-031-1/5000B-38 <i>(Has warning flag)</i>	2.0	-3.0

5. FLIGHT INSTRUMENTS

A. RATE OF CLIMB *(For all models with reciprocating engines only)*

1.	Aeritalia		
<input type="checkbox"/>	a. 21030S	1.3	-2.0
2.	Aerosonic		
<input type="checkbox"/>	a. 340-50	1.0	-2.0
<input type="checkbox"/>	b. 340(340)-56-1210		
<input type="checkbox"/>	c. RC30V10		
<input type="checkbox"/>	d. 30840-0169		
3.	United Instruments		
<input checked="" type="checkbox"/>	a. 7030M	1.0	-2.0
<input type="checkbox"/>	b. 7040M	1.0	-2.0
4.	EDO-Aire		
<input type="checkbox"/>	a. EA-1409-3Z	.8	-1.5
5.	Eclipse Pioneer		
<input type="checkbox"/>	a. 1636-B-1		
6.	Garwin		
<input type="checkbox"/>	a. 22-204-01-A		
7.	Aircraft Instrument & Dev.		
<input type="checkbox"/>	a. 32-1007-1		

B. RATE OF CLIMB *(For all models with turbine engines only)*

1.	Aircraft Spruce & Specialty		
<input type="checkbox"/>	a. 10-05400	1.0	-2.0

C. TURN AND BANK/TURN COORDINATOR

1.	Aeritalia		
<input type="checkbox"/>	a. 26220CA	1.4	-3.0
<input type="checkbox"/>	b. 27221	1.4	-3.0
2.	Aerosonic		
<input type="checkbox"/>	a. ANS-50	2.0	-3.0
<input type="checkbox"/>	b. ANS-51 <i>(28 volt)</i>	2.0	-3.0
3.	Brittain		
<input type="checkbox"/>	a. 1677A	2.3	-3.0
<input type="checkbox"/>	b. 600-009-900	2.3	-3.0
4.	RC Allen		
<input type="checkbox"/>	a. A2475	2.4	-3.0
<input type="checkbox"/>	b. A2670	2.4	-3.0

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<input type="checkbox"/>	c. RCA80A		
<input type="checkbox"/>	d. 21500		
<input type="checkbox"/>	e. RCA82A-1	1.3	-3.0
<input type="checkbox"/>	f. RCA14W2D2A (14 volt)		
<input type="checkbox"/>	g. RCA28W2D2A (28 volt)		

5. Garwin
 a. 23-324-01A

6. Whittaker
 a. D-24

7. Astronautics
 a. 303770-113MSN

<input checked="" type="checkbox"/>	8. Mid-Continent Instrument Co.		
<input type="checkbox"/>	a. 1394TIOO-7Z (Turn Coordinator)	1.2	-2.0
<input type="checkbox"/>	b. 1394TIOO-7TZ (Turn and Bank)	1.2	-2.0

D. REPORTING ALTIMETER

1. Aerosonic			
<input type="checkbox"/>	a. 101420-(01249)	1.9	
<input type="checkbox"/>	b. 101627-01340	1.4	
<input type="checkbox"/>	c. 101627-01344	1.4	
<input type="checkbox"/>	d. 101627-01696		
<input type="checkbox"/>	e. 102200-01812		

2. Smiths Industries
 a. 01-200-104 1.8

3. King			
<input type="checkbox"/>	a. KEA 125-13	1.9	
<input type="checkbox"/>	b. KEA 125-14	1.9	
<input type="checkbox"/>	c. KEA 126-17	1.9	
<input type="checkbox"/>	d. KEA 126-18	1.9	
<input type="checkbox"/>	e. KEA 127	1.0	
<input type="checkbox"/>	f. KEA 128	1.8	-2.5
<input type="checkbox"/>	g. KEA 129	1.8	-2.5

4. United Instruments
 a. 5035P2-P39 1.8 -2.5

5. Terra
 a. AT 3000 .5 -12.0

6. Narco
 a. AR 850 .8 -3.1

E. ALTERNATE STATIC SYSTEM

1. Maule
 a. 6075B

6. ACCESSORY INSTRUMENTS

A. EXHAUST GAS TEMPERATURE KIT (EGT) (For Reciprocating engines only)

1. Alcor Aviation			
<input type="checkbox"/>	a. 394-37-935 (EA 35 4PB) (-180/160)		
<input type="checkbox"/>	b. 394-37-937 (EA 35 6PB) (-235/260)		
<input type="checkbox"/>	c. 394-37-946 (EGT-225)		

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|--------------------------|--------------|------------|--|--|
| <input type="checkbox"/> | d. 46150 | | | |
| <input type="checkbox"/> | e. 211-140-0 | (-180/160) | | |
| <input type="checkbox"/> | f. 211-160-0 | (-235) | | |
| <input type="checkbox"/> | g. 211-110-0 | | | |

- | | | | | |
|--------------------------|------------|---------------|----|------|
| 2. KS Avionics | | | | |
| <input type="checkbox"/> | a. EGT-1 | (14/28 volts) | | |
| <input type="checkbox"/> | b. EGT-1LW | (14/28 volts) | .3 | -0.5 |

- | | | | | |
|------------------------------|------------|-------------------------|-----|-------|
| 3. Insight Instrument | | | | |
| <input type="checkbox"/> | a. GEM-602 | Instrument | .8 | -3.3 |
| | | Probes & Wiring Harness | 1.3 | -40.0 |

- | | | | | |
|-------------------------------------|---------------|--|----|------|
| 4. J. P. Instruments | | | | |
| <input checked="" type="checkbox"/> | a. E.G.T. 701 | | .9 | -3.5 |

B. CLOCK

- | | | | | |
|--------------------------|------------|--|----|------|
| 1. Borg | | | | |
| <input type="checkbox"/> | a. CA 7212 | | .3 | -0.5 |
| <input type="checkbox"/> | b. CA 7286 | | .3 | -0.5 |

- | | | | | |
|--------------------------|---------|--|----|------|
| 2. Elgin | | | | |
| <input type="checkbox"/> | a. A-11 | | .3 | -0.5 |

- | | | | | |
|--------------------------|--------------|--|----|------|
| 3. Review | | | | |
| <input type="checkbox"/> | a. Type B4.0 | | .3 | -0.5 |

- | | | | | |
|--------------------------|--------|--|----|------|
| 4. Shins American | | | | |
| <input type="checkbox"/> | a. 46G | | .3 | -0.5 |
| <input type="checkbox"/> | b. 53G | | .3 | -0.5 |

- | | | | | |
|--------------------------|-----------------|--|----|------|
| 5. Wakmann | | | | |
| <input type="checkbox"/> | a. A-11 | | .3 | -0.5 |
| <input type="checkbox"/> | b. W33 7510-101 | | .3 | -0.5 |

- | | | | | |
|--------------------------|----------|--|----|------|
| 6. Waltham | | | | |
| <input type="checkbox"/> | a. 22840 | | .3 | -0.5 |

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|--------------------------|-----------------|--|----|------|
| 7. Aerosonic | | | | |
| <input type="checkbox"/> | a. 86200-0129 | | .3 | -0.5 |
| <input type="checkbox"/> | b. 86200-0126 | | .3 | -0.5 |
| <input type="checkbox"/> | c. 86200-0114 | | .3 | -0.5 |
| <input type="checkbox"/> | d. 86200-0115 | | .3 | -0.5 |
| <input type="checkbox"/> | e. Type C-13A-1 | | .3 | -0.5 |

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|-------------------------------|------------|--|----|------|
| 8. Longines-Whittnauer | | | | |
| <input type="checkbox"/> | a. A-11-90 | | .3 | -0.5 |

- | | | | | |
|---|----------------------------|---------------|----|------|
| 9. Mitchell Aircraft Instruments | | | | |
| <input type="checkbox"/> | a. 98470 | | | |
| <input type="checkbox"/> | b. 035-370-021 | (12/28 volts) | .3 | -1.0 |
| <input checked="" type="checkbox"/> | c. 99500-ELT (DI-312-5038) | (12/28 volts) | .5 | -1.0 |

- | | | | | |
|-------------------------------------|-------------|---------------|----|------|
| 10. Mid-Continent Instrument | | | | |
| <input type="checkbox"/> | a. MD-88 | | .4 | -1.0 |
| <input type="checkbox"/> | b. MD-90() | (12/28 volts) | .4 | -1.0 |

C. OUTSIDE AIR TEMPERATURE GAUGE

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

1.	Scott			
	a. 2716	<input type="checkbox"/>	.1	12.0
2.	Ashcroft			
	a. NHM70	<input type="checkbox"/>	.1	12.0
3.	Rochester			
	a. 1592-27	<input checked="" type="checkbox"/>	.1	12.0
4.	Piper			
	a. 550-541	<input type="checkbox"/>		
5.	Vanmark			
	a. 1592-30	<input type="checkbox"/>		
6.	Dresser			
	a. 20 B160 R 000	<input type="checkbox"/>		
D. CARBURETOR AIR TEMPERATURE GAUGE (For Carburetor engines only)				
1.	Aircraft Instrument & Development			
	a. 29-208	<input type="checkbox"/>	1.0	-1.5
2.	Aerosonic			
	a. 651250 (w/Kit B-5 Probe)	<input type="checkbox"/>		
3.	Mid-Continent			
	a. MD-11-6	<input type="checkbox"/>		
E. HOURMETER				
1.	Maule			
	a. 6072B	<input type="checkbox"/>		
F. ANGLE OF ATTACK (M-6-235 s/n 7249C-7465C only)				
1.	Safe Flight			
	a. SC-150	<input type="checkbox"/>	1.0	-1.0
G. FUEL COMPUTER (For Turbine engines only)				
1.	ARNAV			
	a. FC-10	<input type="checkbox"/>	1.0	-1.3
H. FUEL FLOW METER				
1.	Shadin Co., Inc.			
	a. Miniflow-L	<input type="checkbox"/>	14.0	-2.5
	b. Microflow-L	<input type="checkbox"/>	14.0	-2.5
7. ACCESSORIES				
A. HEATED PITOT				
1.	Aero Instruments			
	a. PH-502-12 (14 volt)	<input type="checkbox"/>	1.0	43.0
	b. PST-305-12 (14 volt)	<input checked="" type="checkbox"/>	1.0	43.0
	c. PH-502 (28 volt)	<input type="checkbox"/>	1.0	43.0
B. FIRE EXTINGUISHER				
1.	Balkamp			
	a. 4-2740	<input type="checkbox"/>	4.5	8.1
	b. 770-7007	<input type="checkbox"/>		

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 MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

2. General

<input type="checkbox"/>	a. CP-234	4.5	8.1
<input type="checkbox"/>	b. CP-2 1/2J	4.5	8.1
<input type="checkbox"/>	c. TCP-2 1/2J	4.5	8.1
<input type="checkbox"/>	d. GH-2 1/2J	5.4	8.1

3. Kidde

<input type="checkbox"/>	a. Type BC Size 1	4.5	8.1
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4. C.O. Two Fyre Fighter

<input type="checkbox"/>	a.		
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5. Amerex

<input type="checkbox"/>	a. 403423	5.0	8.1
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6. Pemall

<input type="checkbox"/>	a. PA27ABC	4.5	8.1
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7. Dual-Halon

<input checked="" type="checkbox"/>	a. Model RT-A600	2.0	8.1
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C. LANDING LIGHT

1. Maule

<input checked="" type="checkbox"/>	a. 9030E	1.0	5.0
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D. FLOAT PLANE REINFORCEMENT

1. Maule

<input checked="" type="checkbox"/>	a. 9001F, Sht:1		
<input type="checkbox"/>	b. 9001F, Sht:2 (includes forward reinforcement)		

E. AUTO FLIGHT SYSTEMS (AUTOPILOTS)

1. Century Flight Systems

<input type="checkbox"/>	a. Century IIB/AK 513	10.6	7.8
<input type="checkbox"/>	b. Century 21/AK 932	13.4	7.8

2. S-Tec Corporation

<input type="checkbox"/>	a. 9193A System 50 (14v)		
<input type="checkbox"/>	b. 9195A System 55 (14v)		
<input type="checkbox"/>	c. 9196A System 55 (14v)		
<input type="checkbox"/>	d. 9197A System 20/30 (14v)		
<input type="checkbox"/>	e. 9200A System 50 (28v)		
<input type="checkbox"/>	f. 9201A System 20 (28v)		

F. RADIO COUPLE

1. EDO-Aire (For E.1.a.)

<input type="checkbox"/>	a. IC 388M		
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G. GLIDER TOW HITCH

1. Maule

<input type="checkbox"/>	a. 3196F (For Tailwheel models only) (Schweizer & Tost)	4.5	123.5
<input type="checkbox"/>	b. 9160B (For Nosewheel models only) (Schweizer)	6.3	176.0
<input type="checkbox"/>	c. 9207E (For Nosewheel models only) (Tost)		

H. WHEEL FAIRINGS

1. Maule

<input type="checkbox"/>	a. 4034B		
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I. SIREN/PA SYSTEM

1. Federal

MAULE AEROSPACE TECHNOLOGY, INC.

M5-180C/200/210C/210TC/235C/MX7-160/C/180/180A/C/AC/235/420/M6-180/235/ M8-235/
MT-235/260/M7-235/A/B/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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DATE: 11/07/00

OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
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<input type="checkbox"/>	a. PA 100 Amplifier	7.5	5.0
<input type="checkbox"/>	b. PA 200 Amplifier	5.0	-3.0
<input type="checkbox"/>	c. TS-100 Speaker	8.0	95.0
J.	RADAR ALTIMETER		
	1. King		
<input type="checkbox"/>	a. KRA-10 Radar Alt	2.0	
K.	PORTABLE OXYGEN SYSTEM		
	1. Rajay Industries		
<input type="checkbox"/>	a. SK-9	10.0	38.0
<input type="checkbox"/>	b. SK-10	12.0	38.0
	2. Scott Aviation Products		
<input type="checkbox"/>	a. Executive Mark I	9.0	38.0
<input type="checkbox"/>	b. Executive Mark II-	14.0	38.0
	3. Puritan-Bennett Aero System		
<input type="checkbox"/>	a. ZP 202		38.0
<input type="checkbox"/>	b. ZP 204		38.0
L.	LONG RANGE PORTABLE OXYGEN SYSTEM		
	1. Rajay Industries		
<input type="checkbox"/>	a. SK-9-30	17.0	60.0
<input type="checkbox"/>	b. SK-9-40	19.0	60.0
<input type="checkbox"/>	c. SK-9-48	25.0	60.0
<input type="checkbox"/>	d. SK-10-30	17.0	60.0
<input type="checkbox"/>	e. SK-10-40	19.0	60.0
<input type="checkbox"/>	f. SK-10-48	25.0	60.0
	2. Puritan Bennett Aero System		
<input type="checkbox"/>	a. ZP 400	17.5	60.0
<input type="checkbox"/>	b. ZP 401	17.5	60.0
M.	AUXILIARY HEATER		
	1. Maule (<i>TW Models w/Reciprocating engines only</i>)		
<input type="checkbox"/>	a. 5310E	2.1	18.1
N.	OPTIONAL JUMP SEAT		
	1. Maule		
<input type="checkbox"/>	a. 1216B (M6/8-235/MX7-180/B/C/AC/235/420/ MXT7-180/420)	8.8	70.0
O.	STORM SCOPE		
	1. B.F. Goodrich		
<input type="checkbox"/>	a. WX900	1.6	-3.7
P.	STRIKE FINDER		
	1. Insight		
<input type="checkbox"/>	a. SF 2000	1.2	-4.7
Q.	AVIONICS COOLING KIT		
	1. King		
<input type="checkbox"/>	a. KA-33	1.1	-12.0
	2. Narco		
<input type="checkbox"/>	a. 03312-502	.2	-12.0
R.	DIPLEXER/TRIPLEXER		
	1. Meriden		

MAULE AEROSPACE TECHNOLOGY, INC.

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MT-235/260/M7-235/AB/C/260/C/420A/AC/MXT7-160/180/180A/420/M7-235/A per STC SA2661SO

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OPTIONAL EQUIPMENT LIST

SERIAL NO. 27008C REG. NO. N20RD PROD. NO. 2299

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

<input type="checkbox"/>	a.	NT-1A	(Triplexer)	.2	-8.0
<input type="checkbox"/>	b.	NC-4	(Diplexer)	.3	-8.0

S. **VORTEX GENERATORS**

1. Micro Aerodynamics

<input type="checkbox"/>	a.			(Negligible)	
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T. **AFT FLOAT ATTACHMENT**

1. Maule

<input type="checkbox"/>	a.	1348E	Plate (weld-on)	1.7	55.2
<input type="checkbox"/>	b.	1350B	Installation (not incl. 1348E) Float Attachment	3.0	55.2

