MAULE

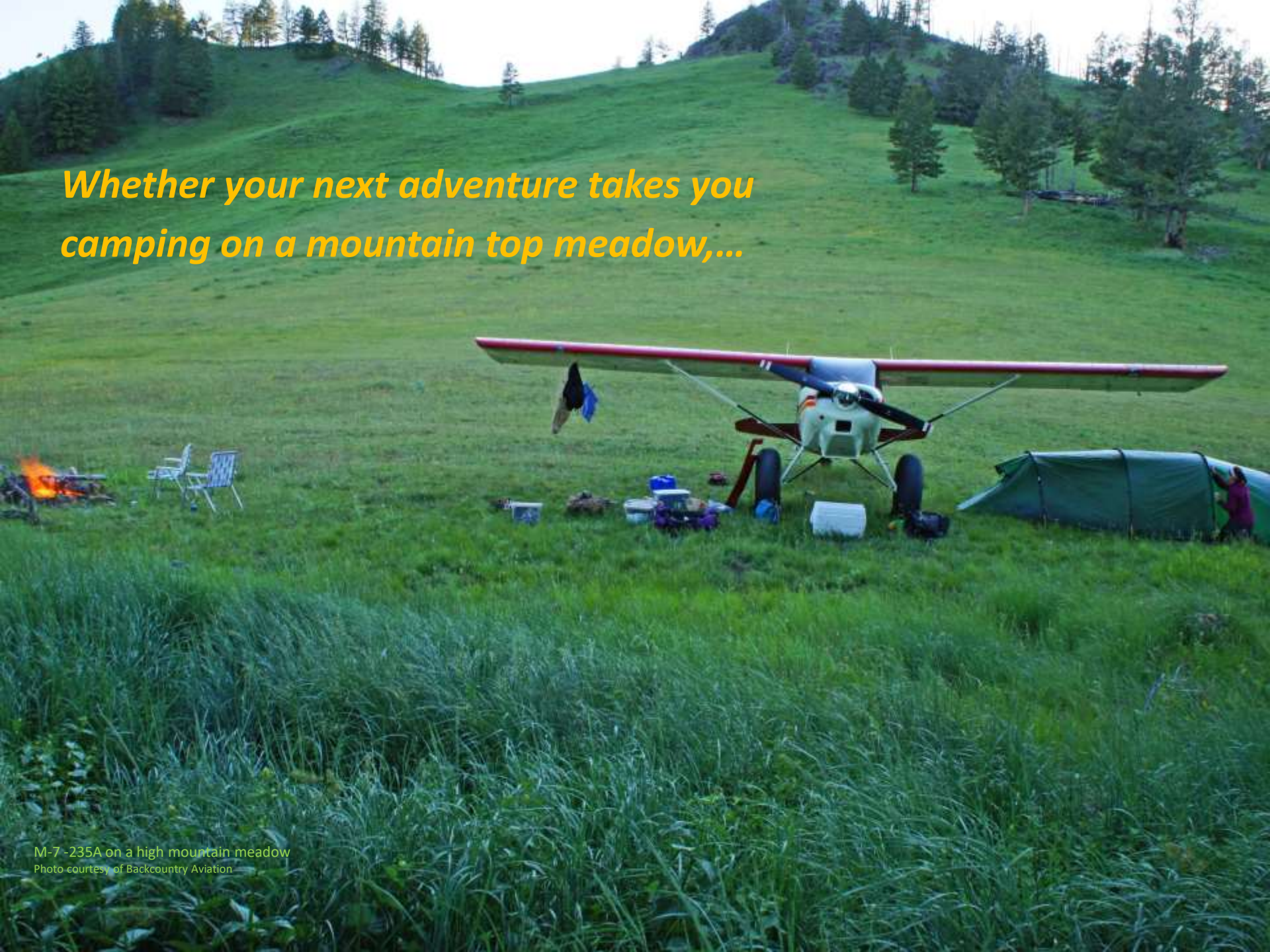


2019 STOL AIRCRAFT

HANDCRAFTED IN THE USA

MAULE AIR, INC. 2099 GA Hwy 133 South, Moultrie, GA 31788 / Phone (229) 985-2045 / www.mauleairinc.com

Models, Equipment, Colors and Other Items Are Subject To Change At Any Time Without Notice. 2019 Edition 10012018



M-7 -235A on a high mountain meadow
Photo courtesy of Backcountry Aviation

...exploring the edge of a glacier,...



M-7-235 with 0-540-B4B5 in Alaska
Photo courtesy of Tim Rice

…off the beaten path,…



M-7-235 on 35” AK Bushwheel Tires
Photo courtesy of God’s Country Aviation



M-7-260 with I0-540-V4A5 in the Bahamas
Photo courtesy of Paul Harding

…the MAULE gives you the freedom to travel the world, without changing planes...



M-7-235 with I0-540-W1A5
Photo courtesy of God's Country Aviation

…and have seats for your family too…



MX-7 with four seats
Photo courtesy of R. McCrea









Since 1962, legendary STOL MAULE aircraft have been operating on every major continent except Antarctica…at least not yet…
From Cape Town, South Africa to Barrow, AK and Spruce Creek, FL to Perth, Australia, the MAULE is recognized around the globe for its ability to take off and land where others cannot. It's **short field performance**, **long range**, and **docile flight characteristics**, coupled with a modular cabin allowing for a variety of seating and cargo configurations, make the MAULE the **best choice** for almost every conceivable flight in a light aircraft.

Photos courtesy of R. McCrea, Charlie Zinsmeyer, Patty Villarreal Smith, and Tim Rice







M-7-235 with I0-540-W1A5 in Alaska
Photo courtesy of God's Country Aviation

STRENGTH, RUGGEDNESS, and **RELIABILITY** are hallmarks of the MAULE design. The MAULE fuselage is constructed of **4130 chromoly steel** in a truss type framework, creating **a strong roll cage** around the cabin occupants. It is powder coated to provide **excellent corrosion resistance**, and is covered with Ceconite, a synthetic material that is **extremely durable** and **easily reparable** in the field. The wings, flaps and ailerons are all metal construction for **long life** and **serviceability**. The engine cowling is a strong composite construction. The MAULE is built to last.

AGILE, VERSATILE, FUN

MAULE aircraft are fun, easy to fly, 4 or 5 Seat Taildragger or Nosewheel **STOL airplanes**. Most models can be outfitted with **floats, skis, or bush tires**.
Very agile and versatile with a large, **easy to access cargo area** and clam shell cargo entry doors, the MAULE is a favorite among bush pilots, **commercial operators** and private pilots.



M-7-260 with I0-540-V4A5
Photo courtesy of Paul Harding

The **Embry-Riddle Aeronautical University Eagles Flight Team** spot landing in a MAULE MXT-7 with a 180 hp 0-360 Lycoming
Photos courtesy of Joshua C. Swain



THE RIGHT PLANE, RIGHT FROM THE START

In addition to private owners and commercial operators, the MAULE aircraft is used extensively by **University Flight Programs** and Flight Teams, Private Flight Schools, and Parents to teach the **next generation of pilots** the skills and enjoyment of flight.

MAULE MXT-7-180 with 0-360-C1F
Primary Trainer Aircraft for the **Fuerza Aérea Hondureña**
Photo by Brent Maule

THE RIGHT PLANE FOR THE MISSION

Military, Law Enforcement, and Fish and Wildlife Agencies, Forestry Commissions, The Civil Air Patrol and other Government Organizations around the World trust the MAULE to **successfully complete their missions**.

A perfect blend of **performance** and **fuel efficiency** allow MAULE operators to carry out their missions effectively while staying well within their budget.

The **MAULE modular platform** can be equipped for specific mission requirements including an **EO/IR camera** and various observation packages for ISR missions. Coupled with its ability to fly safely at very slow speeds, make it a **perfect light observation aircraft**.



MAULE MT-7-235 with I0-540-W1A5
Primary Trainer Aircraft for the Ecuadorian Army
Photo by Brent Maule

Turn-Key ISR Solution from MAULE

Maule can provide a cost-efficient **Intelligence, Surveillance, & Reconnaissance aircraft** for the growing ISR needs around the globe. Capable of loitering for more than 6 hours at altitudes up to 20,000 ft. MSL*, this modular platform design provides near real-time FMV, still imagery, and tactical voice communications via a secure line-of-sight advanced radio network.

MAULE MX-7-180B with Integrated EO/IR System and Special Mission Radio Package
Photo by Brent Maule



MAULE MT-7-235 with I0-540-W1A5
Glider Tow / SAR plane in the US Civil Air Patrol
Photo courtesy of Skytamer.com

THREE MAIN LANDING GEAR STYLES

MAULE aircraft are available in two fuselage sizes, each with three distinct landing gear configurations

OLEO STRUT: Taildragger with an Oleo Strut, Oil and Spring Suspension, Main Landing Gear

ALUMINUM SPRING GEAR: Taildragger with an Aluminum Spring Main Landing Gear

NOSE WHEEL: Trigear with a Steerable Nosewheel and an Aluminum Spring Main Landing Gear

M-7-235A with Oleo Strut Main Gear

M-7-235C with Aluminum Spring Main Gear



Oleo Strut Model



Aluminum Spring Gear



Nosewheel Model

Photo courtesy of Backcountry Aviation and Brent Maule

Side-By-Side Seating

All Maule aircraft come with 4 Seats,

Two Row, Side-by-Side

MX-7 and MXT-7 models have 4 seats available **plus a luggage area**, and are powered by the fuel-efficient 180 horsepower Lycoming 0-360-C1F engine, which can be equipped with an **Auto-Fuel STC** to burn Unleaded Mogas.

M-7 and MT-7 models have a slightly larger 4+1 seating configuration with the **optional 5th seat** in the rearmost cabin area. The luggage area is **3 inches taller and 5 inches deeper** to accommodate a **full size seat**. M-7 and MT-7 models have three powerful 540 cubic inch Lycoming engine choices including a Carbureted (taildragger model only) and a Fuel-Injected 235 horsepower version and a Fuel-Injected 260 hp engine. The Lycoming 0-540-B4B5 carbureted engine can be equipped with an **Auto-Fuel STC** to burn Unleaded Mogas, and is available on the taildragger models only.

M-9 models have the same 4+1 seating/cargo capacity as our M-7 models, but have a higher **2800 lb. gross weight**, for 300 lbs. of additional weight carrying capacity.



M-7-235B
Photo courtesy of Paul Harding

MAULE Cargo Area

MAULE Aircraft Come Standard with Dual Clamshell Cargo Doors, Quick Disconnect Rear Seat, and a Generous Cargo Area

(~38 Cubic Feet in MX-7 Models)

(~42 Cubic Feet in M-7/M-9 Models)





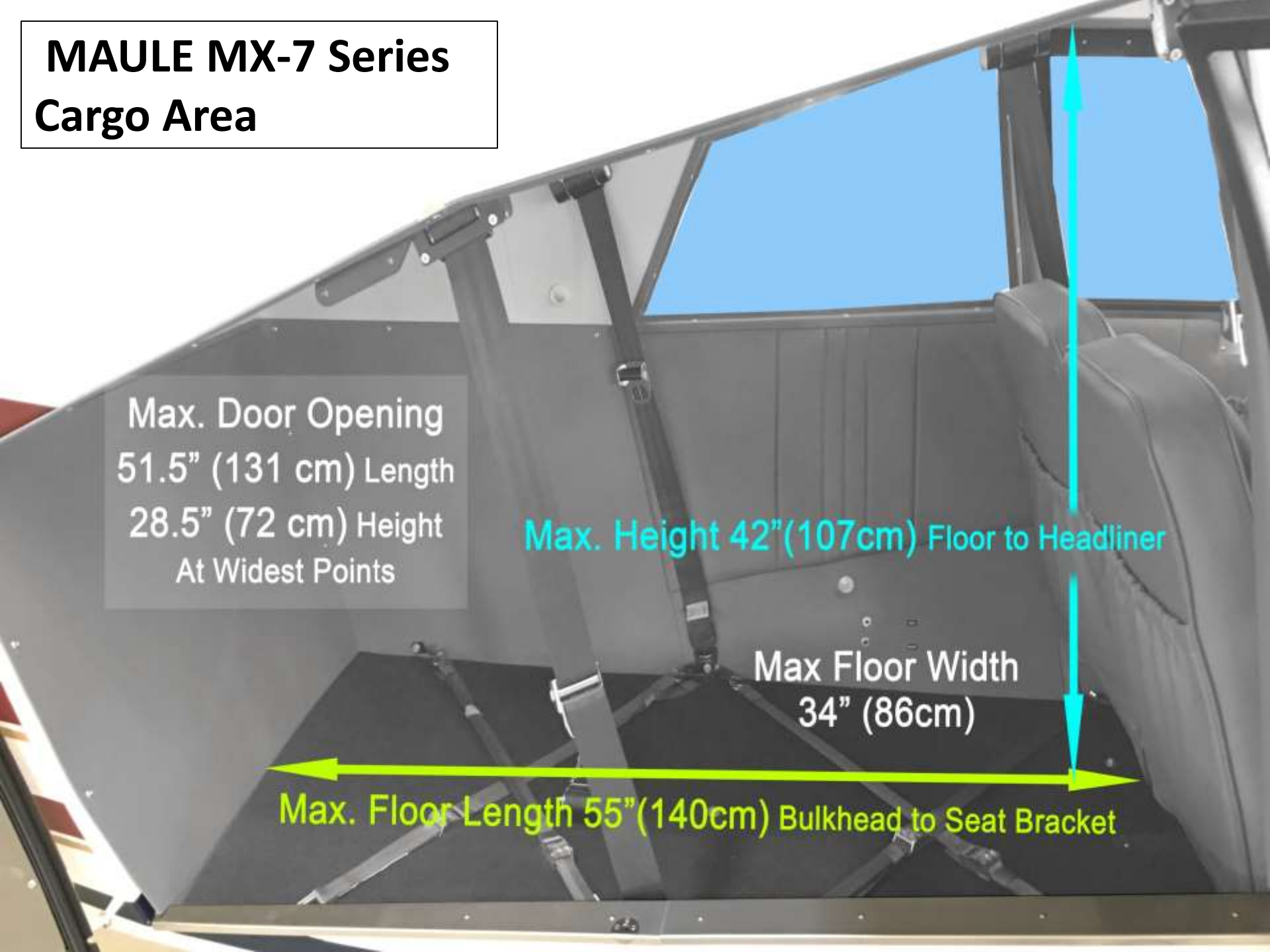
Maule MT-7-235 Flying Relief Effort for Hurricane Michael 2018





Photos courtesy of Backcountry Aviation, Richard Lane, and Paul Harding

MAULE MX-7 Series
Cargo Area



MAULE M-7 / M-9 Series
Cargo Area



New MAULE Unique Standard Features

Simple To Operate Door Locking System





Gas Piston Swing-Out Window
for One-Handed Operation







Swing-Out Window
Fly Fully Opened @ 120 mph
Pilot and Copilot Swing-Out Window

Dual Tail Struts
Dual Horizontal Stabilizer Lift Struts provide additional rigidity to the stabilizer.



Dual Caliper Brakes
- Double the braking surface of a single caliper brake system



Stainless Steel Door Sills for enhanced durability

Flap -7 Degree Setting for Increased Cruise Speed

Two Position Rear Seat for an additional 3” legroom in M-7/M-9 Models

Standard Observation Package, Super Skylight, and Swing-Out Windows

OBSURV 4

Pilot & Passenger Observation Package

Plexiglas in Lower Panel of Pilot, Copilot, Passenger Doors, and Pilot Side Observation Window

* Removable Door Panel Insert Not Included







Smoke Tint Plexiglas - All Windows

Windshield Smoke Tint Is Standard Equipment



Super Skylight with Roll Shade

Provides Excellent Visibility Over the Pilot and Copilot Seats

Super Skylight is Standard Equipment

Swing-Out Window

Fly Fully Opened @ 120 mph

Pilot and Copilot Swing-Out





Gas Piston for One-Handed Operation



JPI EDM-930

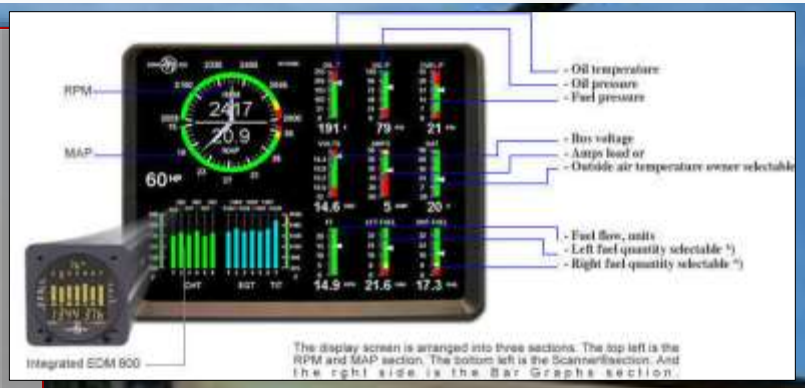
J.P. Instruments EDM-930 (Standard Equipment)

The JPI EDM-930 Complete Engine Data Management System,

is a Primary System to Replace Analog Engine Gauges with an LCD Display which includes:

- Amp/Volt Meter
- Carburetor Temperature (0-360 & 0-540 Models Only)
- CHT & EGT for Each Cylinder
- Fuel Flow
- Fuel Pressure
- Fuel Quantity for Each Fuel Tank
- Hobbs® Timer
- Lean Find finds the First and Last Cylinder to Peak
- Manifold Pressure Tachometer
- Oil Pressure
- Oil Temp
- OAT
- Shock Cooling Monitored on Each Cylinder

The EDM-930 monitors fuel quantity for each tank , and all engine functions to help you protect your engine and keep it running at optimal performance.



Available in Two Models

- **JPI EDM-930-4CP-4** - Engine Data Management System with Fuel Flow for the 0-360, 4 cylinder engine models

- **JPI EDM-930-6CP-4** - Engine Data Management System with Fuel Flow for 0-540 or I0-540, 6 cylinder engine models

VFR 660 G5 ADS-B Avionics Package

STC'd Avionics and Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval. Final Panel Layout May Vary from Photo



VFR 660 G5 ADS-B

Garmin G5 Attitude Indicator

Garmin aera 660 with GA-27C GPS Antenna

Air Gizmos Mounting Tray

PS Engineering PAR200A Audio Panel/Comm Radio/
Hi-Fi Stereo Intercom with Bluetooth

Garmin GTX 345 Mode S Extended Squitter (ES) Transponder Solution for ADS-B "Out" and "In" with integrated WAAS GPS

Equipment included VFR SIX 60 ADS-B Package

1 Broad Band Antenna
Cabin Overhead Speaker
Mike and Phone Jacks (2 Front / 2 Rear)
Push-To-Talk Switches (Pilot & Copilot)
Radio Master Switch
Remote Altitude Encoder
Transponder Antenna
Analog Airspeed and Altimeter

*Avionics Packages Do Not Include GPS Database Subscription
Final Panel Layout May Vary from Example Photo.

Photo courtesy of Backcountry Aviation

STANDARD EQUIPMENT

All MX-7, M-7, M-9 Models Unless Otherwise Noted

- **Airframe and Wings:**
- Welded Tubular 4130 Chromoly Steel Fuselage and Tail Section, Stabilizers, Elevators, and Rudder
- Airframe Float Reinforcements
- Dual Horizontal Stabilizer Strut Set
- Float Fittings - Aft Attach Points: Weld-In
- Float Fittings - Forward Set: (Nosewheel Models Only)
- Fuselage, Tail Surface and Rudder Covering: Ceconite
- Grab Handles on Fuselage for Lifting/Moving
- Stainless Steel Main Horizontal Stabilizer Tail Strut
- All Metal Ailerons and Flaps: Aluminum Spars, Ribs, Skin
- All Metal Wings: Aluminum Spars, Ribs, Skin
- Steel Tie Down Rings
- Tail Surface and Rudder Covering: Ceconite
-
- **Corrosion and Covering Protection:**
- Powder Coating on Airframe, Engine Mount, and Door Frames
- Urethane Paint System Base Color: Glacier White or Dune White
- Wing Corrosion Proofing.
- Sealed Wing Lift struts are internally coated with oil.

- **Cabin and Cargo:**
- Adjustable Front Seats with Integrated Seat Back Pockets:
- Pilot and Copilot - Side-by-Side
- Rear Seats - Completely Removable 2nd Row Sling Seat:
- Side-by-Side - Adjustable Two Position M7 / MT7 / M-9
- Cargo Tie Down Straps
- Full Cabin Floorboards
- Fully Upholstered Interior: Seats, Headliner, Door/Side Panel/Trim
- Lockable Cabin Entry Doors: Pilot (Keyed), Copilot, Rear
- Passenger and Cargo
- Stainless Steel Entry Door Sills

- **Comfort and Convenience:**
- Adjustable Window Vents
- Auxiliary Power Plug in Instrument Panel
- Cabin Fresh Air Vents: Pilot and Copilot
- Cabin Heater Vents: Front and Rear Passenger
- Cabin Sound Proofing and Insulation
- Cabin Steps: Pilot and Copilot Doors
  - Rear Passenger Entry Door Cabin Step (MXT-7 &MT-7 Only)
- OBSURV 4 Package: Pilot, Copilot and Passenger Observation Door and Observation Window behind Pilot
- Smoke Tint Windshield and All Cabin Windows
- Super Skylight with Roll-Shade (Can Be Substituted With Enclosed Cabin Top If Ordered Before Fuselage Welding Begins)
- Swing Out Window (Fully Opening): Pilot and Copilot Side
- Windshield Defroster
-
- **Electrical and Lighting System:**
- Alternator (60 Amp)
- Battery - 12V (14V system)
- Circuit Breakers
- Instrument and Dome Lights
- Landing Light In Wing: Left (Taxi) and Right
- Lightweight Starter
- Navigation Lights
- Omni Antenna
- Wing Tip Strobe Lights
-
- **Firewall Forward:**
- Composite Two-Piece Split Engine Cowling
- Spin-On Oil Filter
- Stainless Steel Exhaust System with Muffler Heat Shroud
- Stainless Steel Firewall

STANDARD EQUIPMENT

All MX-7, M-7, M-9 Models Unless Otherwise Noted

- **Fuel System:**
- Auxiliary Fuel Pump
- Fuel Drains (7): One Fuel Sump Drain in Each Tank,
- Two Low-Point Drains, One Gascolator
- Fuel Tanks (Aluminum) – 4 Tanks: 85 gals. Useable
  - 2 Main Tanks: 21.5 gals. Useable
  - 2 Auxiliary Tanks: 21 gals. Useable
- Fuel Transfer Pumps for Auxiliary Tanks
- Fuel Selector Valve (Left, Right, Both, and Off)
- Gravity Feed Fuel System - No Header tanks

- **Wheels and Brakes:**
- Aluminum Wheels and Hydraulic Brakes (Dual Caliper – All Models)
- 7.00 x 6 Main Landing Gear Tires
- Parking Brakes
- MAULE Steerable Tundra Tailwheel (N/A M(X)T Models)
-
- **Instrument Panel:**
- Clock - Analog
- Compass – Magnetic
- Airspeed Indicator
- Altimeter
- Garmin G5 Attitude Indicator
- JPI EDM-930
- VFR 660 G5 ADS-B Avionics Package

- **Safety Features:**
- 3 Point, Inertia Reel Shoulder Harnesses: All Seats
- 406 MHz Emergency Locator Transmitter (ELT)
- Audible and Visual Stall Warning Indicator
- Complete 4130 Chromoly Steel Fuselage
- Dual Control Yokes
- Dual Rudder Pedals and Toe Brakes
- Four Position Fuel Selector Valve
- with Integrated Safety Features
- Heated Pitot Tube
-
- **MAULE Unique Standard Features:**
- Flap -7 Degree Setting for Increased Cruise Speed
- Four Doors and Four Seats
- Easy Access Rear Passenger / Cargo Doors:
- Open Away from Each Other which Allows for Loading of Long Objects
- Side-by-Side Pilot and Copilot Seating
- Side-by-Side Passenger Seating
- Quick Removal 2nd and 3rd Row Seats for More Cargo Area
- Larger Cargo Area for Optional 5th Seat – M(T)-7 / M-9 Series

MX-7, M-7, M-9 Series Specifications and Standard Equipment



M-9-260 with OBSURV 4 Package
Photo by Brent maule

MX7 SERIES



MX-7-180B with 0-360-C1F
Photo by Michelle Wilkes

- Fun, Easy to Fly, 4 Seat Taildragger STOL Aircraft
- Powered by a 180 hp, Lycoming 4 cylinder engine, for a perfect blend of Performance and Fuel Efficiency
- All MX-7-180 models have an available Auto-Fuel STC for Unleaded Mogas
- Four Doors with a Large ~38 cu. ft. Cargo Area and High Useful Load
- Excellent Aircraft for Any Adventure
- Easily Configured for Various Law Enforcement and Military Missions

MXT7 SERIES



MXT-7-180 with 0-360-C1F
Photo by Brent Maule

- Nosewheel version of the MX-7 series
- Powered by a 180 hp, Lycoming 4 cylinder engine, for a perfect blend of Performance and Fuel Efficiency
- The MXT-7-180 model can be equipped with an available Auto-Fuel STC for Unleaded Mogas
- The Versatile MXT-7-180 has the same ~38 cu. ft. Cargo Area as the MX-7 models
- Used Extensively for Recreation, Flight Training, and Pure Flying Enjoyment

MX7 & MXT7 SERIES

MX-7 and MXT-7 Series Aircraft Performance

	Oleo Strut Gear Taildragger	Aluminum Spring Gear Taildragger	Nosewheel
MX7 & MXT7 Models	**MX-7-180B**	**MX-7-180C**	**MXT-7-180**
Engine (Lycoming) (2000 hr. TBO):	0-360-C1F	0-360-C1F	0-360-C1F
Gross Weight	2500 lbs. (1136 kg)	2500 lbs. (1136 kg)	2500 lbs. (1136 kg)
Empty Weight (avg.):	1470 lbs. (667 kg)	1545 lbs. (701 kg)	1565 lbs. (710 kg)
Useful Load (avg.):	1030 lbs. (467 kg)	955 lbs. (433 kg)	935 lbs. (424 kg)
Stall Speed (full flaps / power off / light weight) (IAS)	40 mph (35 kts)	40 mph (35 kts)	40 mph (35 kts)
Take Off, Ground Roll (light weight):	300 ft. (92 m)	300 ft. (92 m)	300 ft. (92 m)
Take Off (light weight) over 50’ Obstacle:	700 ft. (214 m)	700 ft. (214 m)	700 ft. (214 m)
Rate of Climb, Initial (light weight):	1000 fpm (5.1 m/s)	1000 fpm (5.1 m/s)	1000 fpm (5.1 m/s)
Landing (light weight) over Obstacle:	900 ft. (274 m)	900 ft. (274 m)	900 ft. (274 m)
Service Ceiling:	15,000 ft. (4572 m)	15,000 ft. (4572 m)	15,000 ft. (4572 m)
Fuel Consumption US Gals. @ 65% Power (avg.):	9 gph (34 lph)	9 gph (34 lph)	9 gph (34 lph)
Cruise (75% power / Opt. Alt.) (TAS):	138 mph (120 kts)	(120 kts)	(120 kts)
Avg. Range with 30 Minute Reserve (65% Power with Standard 85 Gals. Fuel)	1072 Miles (932 NM)	1072 Miles (932 NM)	1072 Miles (932 NM)

Performance Observations are for One Person, 22 Gal. of Fuel, Sea Level, Standard Day Conditions (Do Not Use For Flight Planning)

M7 Oleo Strut Taildragger SERIES



M-7-235B with 0-540-B4B5 in Alaska
Photo courtesy of Adam White

- Four or Five Seat Taildragger with an Oleo Strut Suspension Main Landing Gear
- Four Cabin and Cargo Doors for Easy Cabin Entry/Exit and Access to its Cavernous 42 Cu. Ft. Cargo Area
- These Legendary Bush Models can be Outfitted with Alaskan Bushwheel Tires and Extended Heavy Duty Landing Gear for Backcountry Flying Adventures

M7 Oleo Strut Taildragger SERIES

MAULE M-7 Series Aircraft Performance

	Oleo Strut Gear Taildragger	Oleo Strut Gear Taildragger
M7 O.S.T. Models	**M-7-235B**	**M-7-260**
Engine (Lycoming) (2000 hr. TBO):	0-540-B4B5, 235 HP Carbureted	I0-540-V4A5, 260 HP Fuel Injected
Gross Weight	2500 lbs. (1136 kg)	2500 lbs. (1136 kg)
Empty Weight (avg.):	1605 lbs. (730 kg)	1610 lbs. (732 kg)
Useful Load (avg.):	895 lbs. (407 kg)	890 lbs. (405 kg)
Stall Speed (full flaps / power off / light weight) (IAS)	40 mph (35 kts)	40 mph (35 kts)
Take Off, Ground Roll (light weight):	250 ft. (76 m)	250 ft. (76 m)
Take Off (light weight) over 50' Obstacle:	600 ft. (183 m)	600 ft. (183 m)
Rate of Climb, Initial (light weight):	1500 fpm (7.6 m/s)	1650 fpm (8.4 m/s)
Landing (light weight) over Obstacle:	900 ft. (274 m)	900 ft. (274 m)
Service Ceiling:	20,000 ft. (6096 m)	20,000 ft. (6096 m)
Fuel Consumption US Gals. @ 65% Power (avg.):	12 gph (45 lph)	14 gph (53 lph)
Cruise (75% power / Opt. Alt.) (TAS):	158 mph (137 kts)	162 mph (141 kts)
Avg. Range with 30 Minute Reserve (65% Power with Standard 85 Gals. Fuel)	920 Miles (800 NM)	800 Miles (695 NM)

Performance Observations are for One Person, 22 Gal. of Fuel, Sea Level, Standard Day Conditions (Do Not Use For Flight Planning)

MT7 NOSEWHEEL SERIES



MT-7-235 with I0-540-W1A5
Photo by Brent Maule

- Same STOL Performance as our other M-7 Models with the Convenience of a Steerable Nosewheel
- Four or Five Seat Trigear Model is Great for Cross Country, but can also be used for Glider Towing
- Like Our Other M-7 Series Aircraft, the MT-7 can be Outfitted with Seaplane or Amphibious Floats
- The Increased Horsepower makes the MT-7 an Ideal High Altitude SAR, ISR, and EO/IR Platform

MT7 NOSEWHEEL SERIES

MAULE MT-7 Series Aircraft Performance

	Nosewheel	Nosewheel
MT7 Nosewheel Models	**MT-7-235**	**MT-7-260**
Engine (Lycoming) (2000 hr. TBO):	I0-540-W1A5, 235 HP Fuel Injected	I0-540-V4A5, 260 HP Fuel Injected
Gross Weight	2500 lbs. (1136 kg)	2500 lbs. (1136 kg)
Empty Weight (avg.):	1665 lbs. (757 kg)	1696 lbs. (771 kg)
Useful Load (avg.):	835 lbs. (380 kg)	804 lbs. (366 kg)
Stall Speed (full flaps / power off / light weight) (IAS)	40 mph (35 kts)	40 mph (35 kts)
Take Off, Ground Roll (light weight):	250 ft. (76 m)	250 ft. (76 m)
Take Off (light weight) over 50' Obstacle:	600 ft. (183 m)	600 ft. (183 m)
Rate of Climb, Initial (light weight):	1500 fpm (7.6 m/s)	1650 fpm (8.4 m/s)
Landing (light weight) over Obstacle:	900 ft. (274 m)	900 ft. (274 m)
Service Ceiling:	20,000 ft. (6096 m)	20,000 ft. (6096 m)
Fuel Consumption US Gals. @ 65% Power (avg.):	11 gph (42 lph)	14 gph (53 lph)
Cruise (75% power / Opt. Alt.) (TAS):	158 mph (137 kts)	162 mph (141 kts)
Avg. Range with 30 Minute Reserve (65% Power with Standard 85 Gals. Fuel)	1007 Miles (876 NM)	800 Miles (695 NM)

Performance Observations are for One Person, 22 Gal. of Fuel, Sea Level, Standard Day Conditions (Do Not Use For Flight Planning)

M9 Enhanced Gross Weight SERIES



M-9-235 with I0-540-W1A5
Photo by Brent Maule

- Legendary MAULE Performance @ 2800 Lbs. GRWT
- A 300 lb. Gross Weight Increase Over M-7 Series
- 235 or 260 HP Workhorse with an Extremely Rugged Wide-Stance Aluminum Spring Gear
- A Useful Load up to 1100+ lbs., plus a Modular Cabin with Quick Removal Seats

Allow for a Variety of Seat/Cargo Configurations:

- Cross-Country Cruiser: Carry 4 Adults plus 100 lbs. of Luggage and Over 4 Hours of Fuel with Reserve.
- Multi-Mission Aircraft: Carry 2 Adults plus 250 lbs. of Equipment and Over 7 hours of Fuel with Reserve.
- Flight Seeing Expedition: Carry 5 Adults and Over 3 Hours of Fuel with Reserve.

M9 Enhanced Gross Weight SERIES

MAULE M-9 Series Aircraft Performance

M9 Enhanced Gross Weight Model	M-9-235 CARBURETED	M-9-235 INJECTED	M-9-260 INJECTED
Engine (Lycoming) (2000 hr. TBO):	O-540-B4B5, 235 HP Carbureted	IO-540-W1A5, 235 HP Fuel Injected	IO-540-V4A5, 260 HP Fuel Injected
Gross Weight	2800 lbs. (1270 kg)	2800 lbs. (1270 kg)	2800 lbs. (1270 kg)
Empty Weight (Standard Aircraft):	1702 lbs. (771 kg)	1700 lbs. (771 kg)	1708 lbs. (775 kg)
Useful Load (Standard Aircraft):	1098 lbs. (498 kg)	1100 lbs. (499 kg)	1092 lbs. (495 kg)
Stall Speed (full flaps / power off / @ 2800 lbs.) (IAS)	46 mph (40 kts)	46 mph (40 kts)	46 mph (40 kts)
Take Off, Ground Roll (@ 2800 lbs.):	406 ft. (124 m)	406 ft. (124 m)	390 ft. (119 m)
Take Off (@ 2800 lbs.) over 50' Obstacle:	791 ft. (242 m)	791 ft. (242 m)	720 ft. (219 m)
Landing (@ 2800 lbs.) over 50' Obstacle:	900 ft. (274 m)	900 ft. (274 m)	900 ft. (274 m)
Service Ceiling:	20,000 ft. (6096 m)	20,000 ft. (6096 m)	20,000 ft. (6096 m)
Fuel Consumption US Gals. @ 65% Power (avg.):	11 gph (42 lph)	11 gph (42 lph)	14 gph (53 lph)
Cruise (75% power / Opt. Alt.) (TAS):	158 mph (137 kts)	158 mph (137 kts)	162 mph (141 kts)
Avg. Range with 30 Minute Reserve (65% Power with Standard 85 Gals. Fuel)	920 Miles (800 NM)	1007 Miles (876 NM)	800 Miles (695 NM)

Performance Observations are for One Person, 22 Gal. of Fuel, Sea Level, Standard Day Conditions (Do Not Use For Flight Planning)

MAULE MX-7, M-7, M-9 Series Aircraft Specifications

Engine	MX-7 / MXT-7 Series	M-7 / MT-7 & M-9 Series
Lycoming 0-360-C1F - 180 HP Carbureted	MX-7-180B, MX-7-180C, MXT-7-180	---
Lycoming 0-540-B4B5 - 235 HP Carbureted	---	M-7-235B, M-9-235 Carbureted
Lycoming I0-540-W1A5 - 235 HP Fuel Injected	---	M-7-235A, MT-7-235, M-9-235 Fuel Injected
Lycoming I0-540-V4A5 - 260 HP Fuel Injected	---	M-7-260, MT-7-260, M-9-260 Fuel Injected
Number of Seats	Four	Four (Five - Optional)
Fuel Capacity	85 Gals. (321.76 L)	85 Gals. (321.76 L)
Cabin Width At Shoulder	42 in. (1.07 m) Front Seats	42 in. (1.07 m) Front Seats
Cargo Area with rear seats removed:	Approx. 38 cu. ft. (1.08 cu. m)	Approx. 42 cu. ft. (1.19 cu. m)

Wing Span: 32 ft. 11 in. (10.03 m) All Models except M-7-235A (33 ft. 8 in.) (10.26 m)	**Wing Area:** 173.7 sq. ft. (16.14 sq. m) All Models except M-7-235	**Flap Settings (degrees):** -7, 0, 24, 40, 48 MX-7, M-7, M-9 Models -7, 0, 24, 40 MXT-7, MT-7 Models
Aircraft Length: 23 ft. 8 in. (7.21 m) All Models	**Aircraft Height:** 6 ft. 4 in. (1.93 m) MX-7, M-7, M-9 Models 8 ft. 4 in. (2.54 m) MXT-7, MT-7 Models	**Main Gear Track:** 6 ft. (1.83 m) Oleo Strut Taildraggers 7 ft. 10 in. (2.39 m) Aluminum Spring Taidraggers 7 ft. 8 in. (2.34 m) Nosewheel Models

MAULE Exterior Colors and Stripe Options



M-6-235 with I0-540-W1A5 with Custom Stripe Scheme 4 and Alaskan Bushwheel 31” Tires and 4” Extended Landing Gear
Photo by Brent Maule

MAULE Exterior Colors



MAULE Stripe Options

Stripe Option 2

Example aircraft shown (Other colors available)*:

Dune White* **Base Color**

Burgundy* **Upper Stripe**

Twilight Blue* **Lower Stripe**

Color Coordinated N Number, Shadows, and Logos



Stripe Option 3

Example aircraft shown (Other colors available)*:

Glacier White* **Base Color**

Midnight Blue* **Upper Stripe**

Gull Gray* **Center Stripe**

Midnight Blue* **Lower Stripe**

Midnight Blue* **Leading Edge of Wing**

Color Coordinated N Number, Shadows, and Logos



The Above Color Combinations Are Only Examples.
You Can Combine Any Available Stripe Colors To Personalize Your Maule.

MAULE Stripe Options

Stripe Option 4

Example aircraft shown (Other colors available)*:

- Glacier White* **Base Color**
- Tennessee Red* **Upper Fuselage and Wings**
- Sunbelt Yellow* **Upper Stripe**
- Black* **Center Stripe**
- Gull Gray* **Lower Stripe**
- Color Coordinated N Number, Shadows, and Logos



Classic Three Stripe Option

Example aircraft shown (Other colors available)*:

- Sunbelt Yellow* **Base Color**
- Midnight Blue* **Upper Stripe**
- Midnight Blue* **Center Stripe**
- Midnight Blue* **Lower Stripe**
- Midnight Blue* **Leading Edge of Wing**
- Color Coordinated N Number, Shadows, and Logos



Base Colors Available

- **Glacier White** (White)
- **Dune White** (Ivory/Beige)
- **Sunbelt Yellow** (Optional for an additional charge)

Additional Upgrades Available for Stripe Options

- **Leading Edge of Wing Paint Color**
  Available for Stripe Options 1, 2, 3, and Classic Three Stripe
- **Shadow under Registration Numbers** (Vinyl)
  Available for All Stripe Options

The Above Color Combinations Are Only Examples.
You Can Combine Any Available Stripe Colors To Personalize Your Maule.

MAULE Interior Colors



M-9-260 Fuel Injected with Sterling Leather Interior
Photo by Brent Maule

Standard MAULE Interior

Vinyl Headliner, Vinyl Seats with Fabric Seating Surfaces and Side Panel Centers, Vinyl Side Panels and Trim Pieces, Carpeted Floorboards



Light Gray Interior: Dove Vinyl, Greystone Fabric, Spun Silver Headliner, Lowes Gray Instrument Panel Black Carpet



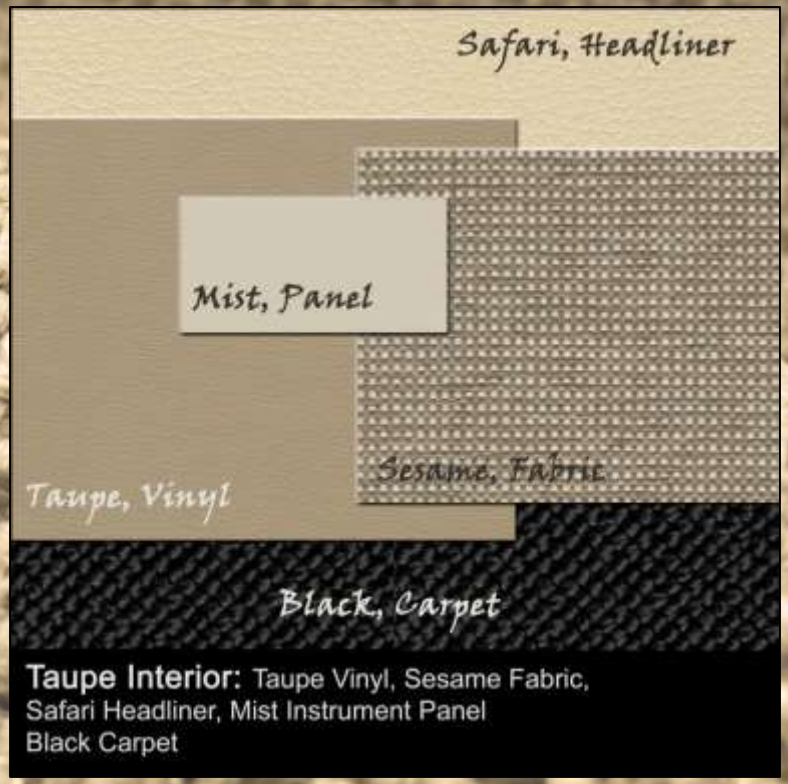
Dark Gray (Silver) Interior: Gunmetal Vinyl, Greystone Fabric, Spun Silver Headliner, Lowes Gray Instrument Panel, Black Carpet

Standard MAULE Interior

Vinyl Headliner, Vinyl Seats with Fabric Seating Surfaces and Side Panel Centers, Vinyl Side Panels and Trim Pieces, Carpeted Floorboards



Dark Gray (Safari) Interior: Gunmetal Vinyl, Fossil Fabric, Safari Headliner, Mist Instrument Panel, Black Carpet



Taupe Interior: Taupe Vinyl, Sesame Fabric, Safari Headliner, Mist Instrument Panel Black Carpet

Leather Upgrades to MAULE Interior

Leather Seat Upgrade: Leather Seats Upgrade to Standard Interior

Full Leather Interior: Complete Leather Seats and Interior Trim Pieces



Sterling Leather Interior: Sterling Leather, Spun Silver Headliner, Lowes Gray Instrument Panel Black Carpet



Elephant Leather (Silver) Interior: Elephant Leather, Spun Silver Headliner, Lowes Gray Instrument Panel Black Carpet

Black Leather Seat Upgrade Available for Light Gray and Taupe Interior

Black Full Leather Interior Available with Safari or Spun Silver Headliner

Leather Upgrades to MAULE Interior

Leather Seat Upgrade: Leather Seats Upgrade to Standard Interior

Full Leather Interior: Complete Leather Seats and Interior Trim Pieces



Khaki Leather Interior: Khaki Leather, Safari Headliner, Mist Instrument Panel Black Carpet



Auburn Leather Interior: Auburn Leather, Safari Headliner, Mist Instrument Panel Black Carpet

MAULE OPTIONS AND ACCESSORIES

Some fly for work, play, or a combination of both...

And others fly for adventure, freedom, or discovery...

For whatever reason you fly, there is *MAULE…It's Why You Fly.*

Authentic MAULE Options and Accessories let you tailor your new MAULE for your unique mission.



M-7-235B with 0-540-B4B5
Photo by Brent Maule



Landing Gear Options and Upgrades

M-7-235B with 0-540-B4B5 with Wipline 3000 Floats being installed in Alaska
Photo courtesy of Adam White

Tires, & Tow Bars

STC'd Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval

MAULE M-7-235A on the sandbar
Photo courtesy of Backcountry Aviation

Tires and Tubes

- **8.00x6 :** All Taildragger Models
- **8.50x6 :** Oleo Strut Taildragger Models

Alaskan Bushwheel ™ ABI-3200 Tailwheel Assembly

MX-7 & M-7 Taildragger models only, N/A on M-9 models

- Dual Fork Tailwheel
- Replaces Standard Tailwheel





Tow Bar for Tailwheel Models

A collapsible tow bar that can be stored under the passenger seat



Tow Bar for Nosewheel Models



Backcountry Gear Set 31 for Oleo Strut Models

Alaskan Bushwheel Packages are Installed Post-Production, Under FAA 337 Approval by MAULE FLIGHT, INC. After Aircraft is Licensed.

MAULE MX-7-180B with Backcountry Gear Set 31
Photo courtesy of Brent Maule

Alaskan Bushwheel™ ABI-3200-B Tailwheel Assembly

MX-7 & M-7 Taildragger models only) N/A on M-9 models

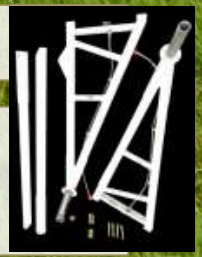
- This tailwheel assembly comes complete with a wide fork & 'baby' Bushwheel. It is STC/PMA'd.



Alaskan Bushwheel™ 31” x 13” x 6” Bushwheel Tires

Alaskan Bushwheel™ 4” Extended MAULE Gear Kit

- 4” Extended Landing Gear
- 2” Axle forward



Backcountry Gear Set 35 for Oleo Strut Models

Alaskan Bushwheel Packages are Installed Post-Production, Under FAA 337 Approval by MAULE FLIGHT, INC. After Aircraft is Licensed.

MAULE M-7-235 with Backcountry Gear Set 35
Photo courtesy of God's Country Aviation

Alaskan Bushwheel™ 35" x 15" x 10" Bushwheel Tires and 10" x 6.5" Wheel Assembly



Alaskan Bushwheel™ 4" Extended MAULE Gear Kit

- 4" Extended Landing Gear
- 2" Axle forward

Alaskan Bushwheel™ ABI-3200-B Tailwheel Assembly

MX-7 & M-7 Oleo Gear models only

- This tailwheel assembly comes complete with a wide fork & 'baby' Bushwheel.



Seaplane and Amphibious Float Options

Floats are Installed Post-Production, by MAULE FLIGHT, INC. After Aircraft is Licensed.

Seaplane Floats

Wipline 2350 Seaplane Floats

Approved on MX(T)-7-180 models

Wipline 3000 Seaplane Floats

Approved on M(T)-7 models



Amphibious Floats

Wipline 2350A Amphibious Floats

Approved on MX(T)-7-180 models

Wipline 3000A Amphibious Floats

Approved on M(T)-7 models



MAULE M-7-235B on floats in the Bahamas
Photo courtesy of Paul Harding / Safari Seaplanes

Seaplane and Amphibious Float Kit and Options

Seaplane Prep Kit

Includes Dual Tail Struts and Lift Rings and Fairings

(Requires Use of Ventral Fin and Appropriate Seaplane Fitting Kit)

Seaplane Fitting Kit for Oleo Strut Gear Taildragger Models (Specify Make/Model of Float)

Includes Aft Attach Points (Weld-In) Float Fittings, Aft Bolt-On Float Fittings, Wire Pulls for Aft Bolt-On Float Fittings

Seaplane Fitting Kit for Aluminum Spring Gear Taildragger Models (Specify Make/Model of Float)

Includes Aft Attach Points (Weld-In) Float Fittings, Aft Bolt-On Float Fittings, Wire Pulls for Aft Bolt-On Float Fittings, Forward Float Fitting Adapters

Seaplane Fitting Kit for Nosewheel Models (Specify Make/Model of Float)

Includes Aft Attach Points (Weld-In) Float Fittings, Aft Bolt-On Float Fittings, Wire Pulls for Aft Bolt-On Float Fittings, Float Adapter Kit

Ventral Fin

Required for Float Operations / Specify Make/Model of Float

Stainless Steel Kit

Includes SS Bolts, Control Cables, and Hinge Pins Where Approved

Installation of Wipline Amphibious Floats

Installation performed by MAULE FLIGHT, INC.

Shipping of Floats to MAULE FLIGHT, INC. for Installation

3-Blade Propeller Options

McCauley 3 Blade Propeller
For 0-540 & I0-540 Engines

80 inch Diameter
with Polished Aluminum Spinner





Additional Upgrades and Accessories

Camping at EAA Airventure in Oshkosh, WI
Photo courtesy of Russell Armstrong

Additional Upgrades and Accessories

Camera Hole Available In Either 6” or 9” Diameter Opening

Vertical camera port with removable plug, installed behind co-pilot seat for Air to Ground photography







Dynamic Propeller Balancing

Fine tunes the balance of your prop for smoother operation

Engine Heater from Tanis

Preheats each cylinder and oil pan

Fifth Seat with 3 Point Shoulder Harness

In cargo area M(T)-7 / M-9 Only

Leather Optional

Ground Service Plug

Connection to your battery enabling you to easily trickle charge or boost your battery with supplied adapter

Hour Meter

Uses oil pressure to measure time on engine and airframe

Glider Tow Release Kit

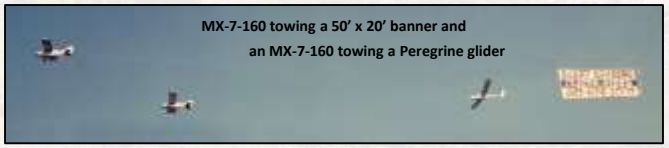
from Tost Flugzeuggerätebau

Includes Dual Tail Struts (N/A on M-9 models)

The Tost Glider Tow Release Kit can be used for both glider towing and banner and aerial billboard towing with your MAULE. The kit includes the required dual tail struts.

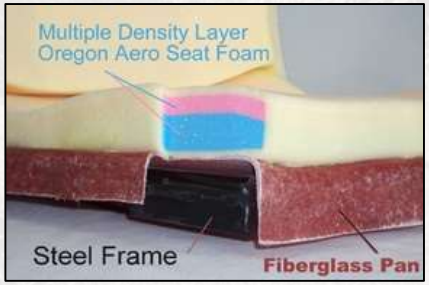






Oregon Aero Seat Cushion System

For highest level of comfort in the Maule **Pilot & Copilot Seats**, we offer the Oregon Aero Seat Cushion System. The specially contoured visco-elastic foam is shaped for proper lumbar curve, and works with your body heat to provide even pressure distribution. You will be amazed at the comfort this seat system provides. (Shown with Optional Leather Interior)





4 Point Shoulder Harness, Pulselight, and VG's

4 Point Shoulder Harness Set

Lift Lever Buckle with Overhead Inertial Reel Pilot & Copilot Seats







Pulselight from Precise Flight

Pulses your Dual Landing Lights, making your aircraft more visible in high traffic environments. Great Safety Feature.

Photo Courtesy of R. McCrea

Vortex Generators from Micro Aerodynamics, Inc.

Installed on the Wing Leading Edge and Under Horizontal Stabilizer (Not Currently Available on M-9 models)

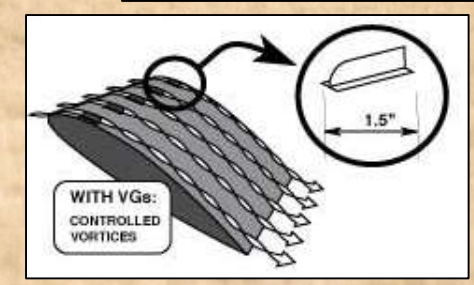
The Micro Aerodynamics Vortex Generators installed on your Maule provide a reduction in stall speed, improved aileron response, and reduced landing and takeoff roll. The kit consists of 60 contoured vortex generators mounted on the wings and 24 vg's mounted under the horizontal stabilizers.* The vg's are painted to match your wing and stabilizer colors.

*Information and image courtesy of Micro Aerodynamics, Inc.©



	WITHOUT VGs	WITH VGs	% REDUCTION
FLAPS UP:	60 mph	52 mph	13%
FLAPS FULL:	45 mph	43 mph	4%

CALIBRATED AIRSPEEDS FROM M7-420AC
FULL GROSS WEIGHT, FULL FORWARD CG





Avionics Packages and Upgrades

IFR DUAL NAV ADS-B with G500 TXi
Photo by Brent Maule

IFR 650 G5 ADS-B Avionics Package

STC'd Avionics and Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval. Final Panel Layout May Vary from Photo



IFR 650 G5 ADS-B

Garmin GTN 650 GPS/Nav/Comm (Worldwide System)*

Garmin G5 Attitude Indicator

G5 Electronic Flight Instrument for Certificated Aircraft, HSI with GPS Nav Interface Adapter

PS Engineering PAR200A Audio Panel/Comm Radio/ Hi-Fi Stereo Intercom with Bluetooth

Garmin GTX 345 Mode S Extended Squitter (ES) Transponder Solution for ADS-B "Out" and "In"

Equipment included in IFR 650 ADS-B Package

2 Broad Band Antennas
Cabin Overhead Speaker
Hand Held Microphone
Mike and Phone Jacks (2 Front / 2 Rear)
Push-To-Talk Switches (Pilot & Copilot)
Radio Master Switch
Remote Altitude Encoder
Transponder Antenna
MB-10 Marker Beacon and Marker Beacon Antenna
VOR Antenna
Analog Airspeed, Altimeter, Turn Coordinator, VSI

*Avionics Packages Do Not Include GPS Database Subscription

Final Panel Layout May Vary from Example Photo.

IFR 750 G5 ADS-B Avionics Package

STC'd Avionics and Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval. Final Panel Layout May Vary from Photo

IFR 750 G5 ADS-B

Garmin GTN 750 GPS/Nav/Comm (Worldwide System)*

Garmin G5 Attitude Indicator

G5 Electronic Flight Instrument for Certificated Aircraft, HSI with GPS Nav Interface Adapter

PS Engineering PAR200A Audio Panel/Comm Radio/ Hi-Fi Stereo Intercom with Bluetooth

Garmin GTX 345R Mode S Extended Squitter (ES) Remote Transponder Solution for ADS-B "Out" and "In"



Optional Upgrades for GTN 750

Garmin Chartview Enablement

Software Enablement for GTN 750 ONLY

Equipment included in IFR 750 ADS-B Package

2 Broad Band Antennas
Cabin Overhead Speaker
Hand Held Microphone
Mike and Phone Jacks (2 Front / 2 Rear)
Push-To-Talk Switches (Pilot & Copilot)
Radio Master Switch
Remote Altitude Encoder
Transponder Antenna
MB-10 Marker Beacon and Marker Beacon Antenna
VOR Antenna
Analog Airspeed, Altimeter, Turn Coordinator, VSI

*Avionics Packages Do Not Include GPS Database Subscription
Final Panel Layout May Vary from Example Photo

IFR Dual NAV ADS-B Avionics Package

STC'd Avionics and Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval. Final Panel Layout May Vary from Photo

IFR Dual NAV ADS-B

Garmin GTN 750 GPS/Nav/Comm*
Garmin G5 Attitude Indicator
G5 Electronic Flight Instrument for Certificated Aircraft, HSI with GPS Nav Interface Adapter
Garmin GI 106A CDI w/ GS Indicator paired w/ GTN 750
Garmin GTN 650 GPS/Nav/Comm*
Garmin GMA 35 Remote Audio Panel
Garmin GTX 345R Mode S Extended Squitter (ES)
Remote Transponder Solution
for ADS-B "Out" and "In"



Optional Upgrades for GTN 750

Garmin Chartview Enablement
Software Enablement for GTN 750 ONLY

Equipment included in IFR Dual NAV ADS-B Package

2 Broad Band Antennas
Cabin Overhead Speaker
Hand Held Microphone
Mike and Phone Jacks (2 Front / 2 Rear)
Push-To-Talk Switches (Pilot & Copilot)
Radio Master Switch
Remote Altitude Encoder
Transponder Antenna
MB-10 Marker Beacon and Marker Beacon Antenna
VOR Antenna
Analog Airspeed, Altimeter, Turn Coordinator, VSI

*Avionics Packages Do Not Include GPS Database Subscription

Final Panel Layout May Vary from Example Photo

Garmin G500 TXi 10” Display Upgrade

STC'd Avionics and Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval. Final Panel Layout May Vary from Photo

G 500TXi 10" Display with Garmin G5 Backup

G500 TXi Kit, Single 10" Display w/int. AHRS & Air Data LRU Kit

Txi Integrated AHRS Install Kit

Data Card, TXi, Database, Americas

Garmin G5 Backup

Shown with IFR Dual NAV ADS-B Avionics Package

Final Panel Layout May Vary from Example Photo





Avionics Upgrade Packages

STC'd Avionics and Optional Equipment May Be Installed Post-Production, Under FAA 337 Approval. Final Panel Layout May Vary from Photo

Avionics Package Accessories

Bose Install Harness for Bose A20 and Bose X

Mike & Phone Jack for 5th Seat

S-Tec System 30 Autopilot 2-Axis with Altitude Hold (IFR Radio Packages Only)

Call For Approved Models



Photo Courtesy of God's Country Aviation

To Purchase A New Maule
Contact Your Authorized Maule Distributor
http://mauleairinc.com/dealer-locator/

MAULE AIR, INC.
2099 GA Hwy. 133 South
Moultrie, GA 31788
(229) 985-2045: Main Office
(229) 985-2045 Option 1: Aircraft Sales
http://www.mauleairinc.com



Your Greatest Adventures Await...

Photo Courtesy of R. McCrea



Photo Courtesy of Rich Wellner



M-7-235 with an IO-540-W1A5

Photo Courtesy of God's Country Aviation



MAULE M-7-235A and friends on a 380’ grass strip on an lake island in Texas

Photo Courtesy of Backcountry Aviation



M-7 -235 on a high mountain meadow
Photo courtesy of God's Country Aviation



Photo courtesy of Backcountry Aviation



Maule M-7-235 on the edge of a glacier
Photo curtesy of Tim Rice



M-9-235 Fuel Injected with I0-540-W1A5

Photo by Brent Maule



M-7-260 on Amphibious Floats
Photo courtesy of Paul Harding



M-7 -235 in an extinct volcano
Photo courtesy of God's Country Aviation



Annual Lone Star Maule Roundup in Llano, Texas



Annual Maule Homecoming Fly-In in Moultrie, GA



MAULE AIR, INC. 2099 GA Hwy. 133 South, Moultrie, GA 31788
(229) 985-2045 Main Office (229) 95-2045 OPT. 1 Aircraft Sales (229) 890-2402 Fax
http://www.mauleairinc.com