

Midget Mustang – March 2016



- Mustang Information Pack: covers both M-I & M-II \$ 10.00
- Mustang Video: covers history, design, construction, kits \$ 4.50
- Info, Video, & Construction DVD package \$ 49.00
- Mustang Construction DVD: \$ 45.00
Hundreds of construction pictures, finished aircraft pictures, kit pictures, FAA publications, and video clips. Requires a PC with DVD ROM drive.
- Midget Mustang Drawing Set: \$ 165.00
Construction drawings consist of 33 large size detailed drawings and templates. All bulkheads and ribs are full size and assembly drawings are detailed and easily read. The construction manual is well illustrated, containing photos and sketches. Instructions are given for rib and bulkhead forming as well as general instructions for metal aircraft building techniques.
- M-IA Supplement: \$ 35.00
These are drawings for installing the bubble canopy with 12 pages of detailed instructions and 35 photographs. Two full size drawings show the windshield bow layout, fairing layout, side skin cutout, tube profile, and transverse bulkhead layout. The M-IA design makes the Midget look very much like a P-51 Mustang. Along with improved visibility the M-IA canopy also gives 1-2 inches more headroom.
- Complete Airframe Material Kit: \$11,060.00
Contains the fabricated aluminum and steel parts for the airframe. Hardware, rivets, canopy, tailwheel assembly, main landing gear, formed skins, control surfaces, ribs, spars, bulkheads, and welded steel parts are all included. Hand tools are sufficient to complete the remaining work (some clip angles, gussets, etc.). The center section bulkhead containing the wing carry through structure is fully assembled and powder coated with the proper wing dihedral set. It should take about 1000 hours to finish assembly of the airframe less instruments, interior, paint, and lights. There are several options for factory completed components to further reduce the build time.
- Completed Wings Option: \$5710.00
The wings are completely riveted and ready to paint. Ailerons and flaps are also completed. The riveted main wing spar option from the forward fuselage kit is required along with the actual wing kit. The wing tips are sold separately. Interior parts are treated for corrosion and the steel parts are powder coated. Lines are run for the static system and conduit installed for the wing tip lights. This option will save over 275 hours for the average builder. The wet wing version is \$7480 which will include the installed filler caps, capacitance fuel probes, and dual fuel gauge.
- Partial Kits: (listed in the recommended order)
- Tailcone Kit - formed bulkheads, rolled belly skin, tailwheel assembly, and the rest of the parts for the tailcone.
 - Forward Fuselage Kit - from the firewall to the seatback including main wing spars, assembled main spar carry-through, formed firewall, instrument panel, flap control assembly, rudder pedal assembly, and control stick assembly.
 - Empennage Kit - including the fin, horizontal stabilizers, elevators, rudder, and control hinges/fittings.
 - Canopy Kit - mounting material and plexiglass canopy for either the M-IA or standard M-I versions.
 - Wing Kit - includes remaining wing components (no main spars), gear mounting parts, aileron parts, and flap parts.
 - Gear Assembly - aluminum gear legs and mounting tube assembly

Note:

Additional items not listed that are needed to complete the airplane include the engine & related systems, instruments, fiberglass components, and a few other miscellaneous items. Except for the engine components, the rest can be purchased for under \$3500 from Mustang Aeronautics or other suppliers.

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Construction Drawings & Manual (shipping by UPS typically \$18)	\$ 165.00	_____
M-IA Bubble Canopy Drawing Supplement	35.00	_____
Complete Airframe Material Kit	\$11,060.00	_____
Complete M-IA Airframe Material Kit	11,185.00	_____
Crating Charge	140.00	_____
Completed Wing Panels Option (requires riveted wing spar options)	5580.00	_____
Wet Wing Version (10 gal each)	7730.00	_____
Crating Charge for Completed Wings	225.00	_____

Partial Kits:

Rivet Kit	\$ 150.00	_____	Canopy Kit		Standard 390.00	_____
					M-IA 515.00	_____
Tailcone Kit	1100.00	_____	Wing Kit		3025.00	_____
Debur & powder coat option*	44.00	_____	Assembled wing rear spars		270.00	_____
Crating	95.00	_____	Debur & powder coat option*		68.00	_____
			Crating		95.00	_____
Empennage Kit	1420.00	_____				
Quick build spars	440.00	_____	Gear Leg Assembly Parts		1185.00	_____
debur & powder coat option*	170.00	_____	Welding option **		635.00	_____
Crating	75.00	_____	Crating		20.00	_____
Forward Fuselage Kit	3790.00	_____				
Assembled main wing spars	810.00	_____				
Debur & powder coat option*	180.00	_____				
Crating	95.00	_____				

* Powder coat option is for steel parts.
 ** Welded gear requires riveted main wing spars. Torque tubes are powder coated white.
 *** Kits are shipped freight collect by a common carrier such as Yellow Freight.

Individual Items: *(included in kits)*

Tail Wheel Assembly – Spring (\$145) and mounting tube (\$47)	192.00	_____
full swivel (steerable) 4" wheel unit	295.00	_____
Wing Fitting Set - Shaped, drilled, and heat treated (120.304) (no crating charge)	304.00	_____
Bulkhead Sta. 73.75 Formed (120.303)	95.00	_____
Firewall Formed (engine turned add \$65)	100.00	_____
Fuselage Bulkhead Set (140.320,330,331,332,333,334,356,359,336)	395.00	_____
Wing Ribs With Cut Lightening Holes (\$20-\$26ea)	525.00	_____
Wing Spars - main 130.301 (\$64ea) and rear 130.314 (\$50ea) spars	228.00	_____
cut lightening holes in main spars (for a pair)	\$35.00	_____
Wing Main Spar Cap Strips - Sheared to shape and undersized attach hole drilled	335.00	_____
Station 73.75 Angle (1.5 x 2 x 3/8" 6061-T6 cut to shape)	95.00	_____
Station 99.35 Angle 140.306 (1 x 1 x 1/8" 2024-T4)	18.00	_____
Landing Gear Assembly Steel Parts (except gear legs and rear spar sockets)	355.00	_____
Aluminum Landing Gear Legs 170.300	850.00	_____
2" Longer Landing Gear Legs (allows up to a 68" propeller)	900.00	_____
Control Stick Assembly & Mounting Brkt (welded)	210.00	_____
Rudder Pedal Assembly (welded)	290.00	_____
Flap Control Assembly (welded; complete from handle to spar brackets)	312.00	_____
Rolled Wing Leading Edge Skin Set 130.332 (.032" 2024, .025" is a special order)	465.00	_____
[must be shipped common carrier]	crating 75.00	_____
Rolled Tailcone Belly Skin 140.391	235.00	_____
[must be shipped common carrier]	crating 75.00	_____

Quick Build Wing Options

Partially Assembled Wings – *add to wing kit* \$ 3,860.00 _____

- Includes assembled wing rear spars and powder coated steel parts (your choice of color). crating \$ 240.00 _____
- Requires assembled main wing spars.
- Requires the wing kit.
- Can be configured for wet wings but the builder will be sealing the leading edges and spars when riveting the skins on.
- Flaps and Ailerons are fully drilled and fitted, inside of skins are primed, skin stiffeners are riveted in place.
- Lead times are about 10 weeks. A standard 25% deposit is required. The balance is due before shipment. The wings can be picked up to save crating and shipping costs (shipping averages \$600 in the US).



Completed Wings *standard version* – *add to wing kit* \$ 5,710.00 _____

- includes assembled wing rear spars and powder coated steel parts (your choice of color). crating \$ 240.00 _____
- requires assembled main wing spars.
- requires the wing kit.
- pitot lines installed as well as conduit from the root to the tip of each wing for electrical wiring.
- lead times can be up to 12 months. A \$100 deposit is taken initially and then a non-refundable \$2000 is required when we actually start work on the wings. The balance is due before shipment. The wings can be picked up to save crating and shipping costs (shipping averages \$600 in the US). Some wings are assembled in Ft Myers, FL.



Completed Wings *wet wing version* – *add to wing kit* \$ 7,890.00 _____

- 10 gallons in each wing leading edge. crating \$ 240.00 _____
- includes capacitance fuel probes, flush filler caps.
- pitot lines installed as well as conduit from the root to the tip of each wing for electrical wiring.
- fuel tank vent lines and quick drains are installed.



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Package Pricing - Save At Least \$1,200

Midget Mustang Kit Package \$ 23,700.00

Complete Kit with all of the quick build options, finished wings, 15gal header fuel tank, Continental engine mount, wheels and brakes (with remote reservoir and mounted tires), Continental engine cowl, 16" spinner assembly, 4" propeller extension, propeller crush plate (for wood propeller), wing tips, tail group tips, enhanced seat back, wheel pants, wing root fillets, and crating charges.

This package is shipped in two stages per the following schedule:

Deluxe Kit Shipment 1: \$ 14,875.00 (everything but the wings, up to 12 week lead time)

25% deposit at time of order	\$ 3,720.00	_____
Balance due before shipment	\$ 11,155.00	_____

options

Flop Tube in header fuel tank for inverted flight	Add	\$ 170.00	_____
M-IA Style Sliding Bubble Canopy	Add	\$ 125.00	_____
Lycoming Cowl, Conical Mount, and Prop Extension	Add	\$ 120.00	_____
Lycoming Cowl, Dynafocal Mount, and Prop Extension	Add	\$ 190.00	_____

Deluxe Kit Shipment 2: \$ 8,825.00 (completed wings, up to 12 month lead time)

non-refundable payment due 6 weeks before shipment	\$ 2,000.00	_____
Balance due before shipment	\$ 6,825.00	_____

options

Wet Wing Version	Add	\$ 2,180.00	_____
Optional Anodized Locking Fuel Caps	Add	\$ 285.00	_____

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Extras – March 2016

Propeller Accessories:

Prop. Extension (4")	5.5" / 6" diameter for Continental	345.00	_____	(+\$15 UPS within US)
	6" diameter for Lycoming	335.00	_____	(+\$15 UPS within US)
	7" dia. for 320 Lyc or bigger	395.00	_____	(+\$15 UPS within US)
Crush Plates	6" diameter x 3/8" (7" diameter add \$12)	50.00	_____	(+\$9 UPS within US)
Prop Attach Bolts	\$7.00 each (6pcs extn to crank), \$10ea (6pcs prop to extn) specify prop hub thickness	102.00	_____	(+\$10 UPS within US)
16" Spinner w/ drilled bulkhead and backplate	(specify prop hub thickness & engine)	475.00	_____	(+shipping)
Spacer for spinner front bulkhead	(1/8" thk. / drilled)	17.00	_____	(+shipping)
Spacer for spinner front bulkhead	(1/4" thk. / drilled)	25.00	_____	(+shipping)

Landing Gear & Accessories:

5:00x5 Matco Wheel Kit	brakes, axles, master cylinders, lines, and fittings	780.00	_____	(+ shipping)
	remote reservoir version	820.00	_____	(+ shipping)
Tires & Tubes	mounted tubes & 4 ply Airtrac tires on above listed wheels	255.00	_____	(+ shipping)
Remote Reservoir Kit	included in remote reservoir version wheel kit above	41.00	_____	

Fuel Tanks & Accessories:

Header 15gal Fuel Tank	- with installed capacitance fuel sender and flush filler cap	685.00	_____	(+shipping)
	Flop Tube option for inverted fuel in addition to sump outlet	140.00	_____	
Flush Filler Cap Assembly Slip Fit	(used with header fuel tank) each	\$87.40	_____	(+shipping)
Capacitance fuel probes for wet wing	56" long, 2pcs	390.00	_____	
Aux. 5gal Fuel Tank	- mounts behind seat; back fills from header	420.00	_____	(+shipping)
Flush Filler Cap Assembly	(for use with wet wing) each	42.00	_____	(+shipping)

Engine Accessories:

Engine Mounts – (can ship UPS)	Lycoming Conical	560.00	_____	(+shipping)
	powder coated white, customs colors on request	Lycoming Dynafocal	625.00	_____
	dynafocal mount uses Lord Mount #I-7402-5 (4pcs) or Aircraft Spruce p/n 08-03500	Continental	485.00	_____
				(+shipping)

Miscellaneous:

Plexiglass Canopy	(canopy only, 6month guarantee)	M-I Standard	325.00	_____	(+shipping)
	specify clear, smoke, or aviation green	M-IA Bubble	425.00	_____	(+shipping)
Cabin Air Vent Inlet	(aluminum, mounts on gear leg access cover)	each	12.00	_____	(+shipping)
Nav/Strobe Lights with 2 remote power supplies (AeroFlash non-PMA)	kit # 156-0039		381.00	_____	(+shipping)
	3 position kit # 156-0049		468.00	_____	(+shipping)
	cable kit for mounting stobe powerpack at wing root		55.00	_____	(+shipping)
	single tail strobe kit # 156-0029		226.00	_____	(+shipping)
	single tail position light kit # 153-0010		76.00	_____	(+shipping)
Alodine by the Gallon		<i>pick up only</i>	36.00	_____	
Alumiprep by the Gallon		<i>pick up only</i>	32.00	_____	

Fiberglass Parts:

Fiberglass Engine Cowling	(Lyc. or Cont. with nacelles)	950.00	_____	(+shipping)
Fiberglass Wing Tips	(with no light pad, 2 position pad, or 3 position pad)	225.00	_____	(+shipping)
Fiberglass Wing Tips	(swept tip, no light pad)	250.00	_____	(+shipping)
Fiberglass Wing Root Fillets	(will need to be fit to individual aircraft)	395.00	_____	(+shipping)
Fiberglass Tail Group	(7 tips with or without position light on rudder section)	265.00	_____	(+shipping)
	Rudder Bottom only	97.00	_____	(+shipping)
	Fin, Horiz Stab, Rudder, or Elevator Tips	28.50	_____	(+shipping)
Fiberglass Recessed Seat Back		175.00	_____	(+shipping)

Books & Newsletters:

Mustang Newsletter Subscription 1yr / 6 issues (\$20.50 overseas)	17.50	_____
Newsletter Backissue Book Starting in 1968	95.00	_____
“Speed with Economy” by Kent Paser – Mustang II speed mods	25.00	_____
Mustang Construction DVD construction pictures, newsletters, video clips, and much more	45.00	_____

Mustang Apparel:

Embroidered Golf Shirt (Maroon, Royal, Forest Green) * we can also custom order specific colors/sizes	Med, Lrg, XLrg	27.50	_____	(+3.50 s&h)
Golf Hat Leather Strap, Red with White Embroidery		11.00	_____	(+3.50 s&h)
Midget Mustang T-Shirt (100% cotton White or Sports Grey)	Med, Lrg, XLrg	11.00	_____	(+3.50 s&h)

Tools & Jigs:

Deluxe Mustang Tool Kit by Aircraft Tool Supply 3x Rivet Gun w/ regulator & 2 spring retainers 2 Bucking Bar, Flush & Universal Rivet Sets, swivel set, 235 Clecoes, Clecoe Pliers, Microstop Countersink, Heavy Duty Rivet Cutter, 3" Rivet Squeezer, Dimple Dies, Fluting Pliers, Duckbill Pliers, Hand Seamer, Deburring Tool, File, Handi-Clamps, Hand Nibbler, 20pcs Drill Bits, Unibit Drill, Center Punch, Scotch Brite	discounted price	735.00	_____	(+30 s&h)
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(Avery Tool also has Mustang Tool Kits available)
Additional recommended tools: tape measure, 6” scale, C-clamps,
aviation snips (left, right, straight duckbill), plumb bob.

Dimpling / Riveting Fixture	\$160.00	_____	(s&h \$25 in US)
Solid Chucking Reamer for wing attach bolts	\$42.00	_____	
Solid Chucking Reamer for oversize wing attach bolts	\$48.00	_____	
Steel Jig for wings (ship freight collect by Roadway) will buy back for \$375 if usable	\$435.00	_____	(crating \$45)

Shipping & Payment

March 2016

Please make payments by check, money order, VISA, MasterCard, or American Express. For any Credit Card order over \$200 we must receive this signed order form. Credit card payments over \$500 are subject to a 3% charge due to bank fees. All checks must be drawn on a US bank. Foreign payments must be by international money order, credit card, or electronic funds transfer. Wire transfers for less than \$500 will need to include an additional \$15 for bank fees. Full payment is required on all kit orders before shipment. A minimum deposit of 25% is required on kits and the order must be in writing (no verbal kit orders). The remaining balance is due prior to shipment. Unshipped kit orders are fully refundable except for cancellations within 2 weeks of the ship date when up to a \$180 handling fee may be charged.

Prices are subject to change without notice.

Remit To: Mustang Aeronautics Inc. phone: (248) 649-6818
1990 Heide fax: (248) 688-9275
Troy, MI 48084
e-mail: Orders@MustangAero.com www.MustangAero.com

From: Name _____
Street _____
City _____
State _____ Zip _____
Phone / FAX _____ E-Mail: _____
Date: _____ Serial #: M-I- _____

Do you have your signed **Conditions of Sale & Warning Notice** from the drawing set?
This form is required to be on file with Mustang Aeronautics for any kit orders.

Shipping Address: Name _____
(if different from above) Street _____
City _____
State _____ Zip _____

Are you installing wet wings? (we will not cut lightening holes in spars)	YES	NO
Are you using the M-IA canopy?	YES	NO
Can we give out your phone # to other Mustang builders?	YES	NO

Mustang Parts / Kit Order Total _____
CRATING & SHIPPING Total _____
MICHIGAN residents 6% tax _____ (also applies to all orders picked up at the factory)
TOTAL _____

Credit Card _____ - _____ - _____ - _____ Exp ____/____

SIGNATURE _____

* A verification of the order and an estimated shipping date will be provided after receipt of the order