

Michigan Butterfly - square tip

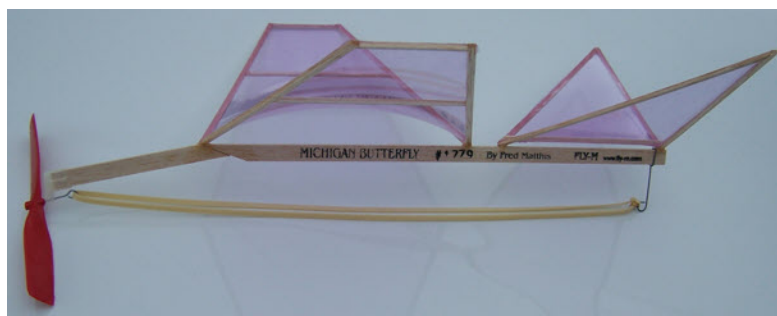
Product of: FLY-M FRED'S FLYING MODELS, LLC

Designed by Fred Matthis

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Aircraft configuration options/Tools needed/Items included in kit/Builder supplied materials/Construction directions/Trimming/Location of the center of balance/Powered flight

Aircraft configuration options

	Wing Dihedral	V-Tail Dihedral		Rubber
Outdoor	30 degree	30 degree	For very windy days	1/8"
Outdoor	20 degree	30 degree	Recommended	1/8"
Indoor	20 degree	20 degree		3/32" or spent 1/8"

Tools needed

Single edge razor blade Masking tape Hair Dryer

Items included in the kit

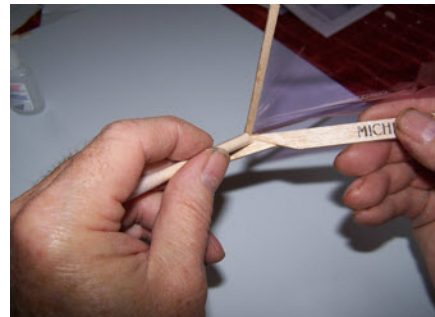
4 - Wing leading and trailing edges	2 - Wing tips
2 - Wing inner braces	2 - V-tail trailing edges
2 - V-tail leading edges	1 - V-tail center covering tensioner
1 - 12" Fuselage piece	1 - 3" Fuselage piece
1 - Covering (Reynolds Plastic Wrap)	1 - Wax paper
1 - Propeller assembly	2 - Contest rubber motors lubed + ring
8 - 3" x 1/8" rubber bands (motor)	1 - Rear Motor anchor
1 - Black tipped piece - wood	1 - Small applicator/tube - balsa sawdust
1 - Cordless drill rubber motor winder	1 - Sanding pad
1 - CA applicator for Thin CA glue - HCAR3780 - Dia. About .030"	

Builder supplied materials

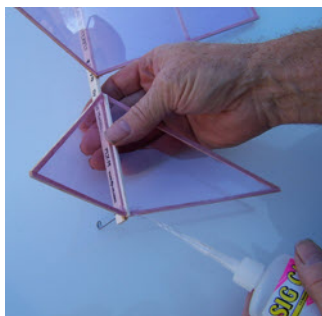
1 - Small bottle Thin CA glue	1 - CA Accelerator small spray bottle
Cardboard to make jigs	



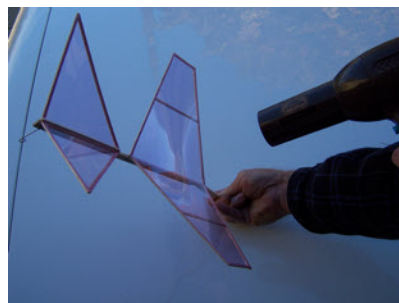
Cut the end off the tube of balsa sawdust, at an angle. Place some sawdust at the joint and form a radius (fillet) with the side of the tube or your finger.



A drop or 2 of the thin CA glue will create a very strong joint. 4 fillets on the wing and 4 fillets on the V-tail are required.



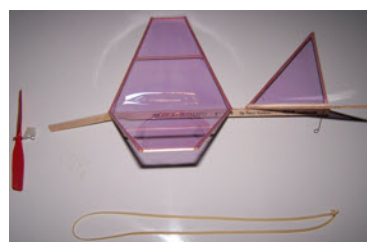
Glue the center V-tail tensioner on to the top of the V-tail. Glue only the leading and trailing edges, one or two drops at each spot. You may need a drop of CA Accelerator on each spot.



Heat shrink the Reynolds Plastic Wrap with an every day hair dryer. Best to use high heat and low air velocity. Have the hair dryer 6 to 8 inches from the wrap. Move the drier back and forth slowly.



Check both left and right wing tip alignments with the fuselage. They should be parallel with the fuselage. If the leading edge is down that is WASH out. If the leading edge is up that is WASH in. A very small amount is OK. If it is large, gently partially crack the two joints, if you crack in the direction to make the wing tip parallel, it usually will just need re-gluing. Hold parallel and re-glue.



Propeller assembly, airframe, contest rubber motor with 6 mm winding ring.