

# Foam-Flite

## **Economy Table Top Model Airplane Stand**



Thank you for purchasing the Economy Table Top model airplane stand. Your stand was designed by modelers just like you looking for an economical and versatile stand to make it easier to work on and protect model aircraft on the workbench and at the field. We hope you enjoy your stand and find many uses for it. If you have any questions please contact us. The Economy Table Top stand kit includes all the wood and hardware for one complete stand. Check over the parts and hardware before you start your build. If there are any damaged pieces or missing hardware please contact us before beginning the assembly process.

### **The following is included in the kit:**

- 1 6mm x 7.125" x 13.5" 5 ply Plywood (Sheet 1)
- 1 6mm x 7.625" x 13.5" 5 ply Plywood (Sheet 2)
- 1 6mm x 4.75" x 11.5" 5 ply Plywood (Sheet 3)
- 4 1/4" x 3/4" Carriage Bolts
- 4 1/4" x 1" Carriage Bolts
- 4 1/4" x 1 1/2" Carriage Bolts
- 12 1/4 - 20 Wing Nuts
- 12 1/4" Flat Washers

### **You will need the following to assemble the kit:**

- Heavy Duty Razor for removing wood parts
- Sandpaper
- 5 Minute Epoxy, Wood Glue or CA Glue

**Foam-Flite - Mankato MN**

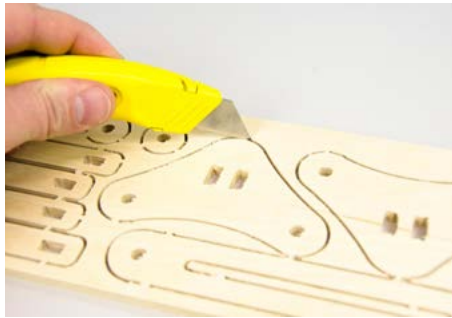
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The assembly is very simple and requires just a few tools. The plywood parts are held in place on the sheets by small tabs left in the wood. These will need to be cut free and it's easiest using a heavier razor blade with a handle. There are a few steps requiring the use of glue. Each builder will have their preference on what glue to use. We recommend using Epoxy, Wood Glue or CA. The CA is faster but can create a brittle joint in some cases while the Epoxy and wood glue will create a stronger bond but take more time. Choose what works best for you. Most people prefer to leave the wood natural but if you prefer you can stain the wood for a unique look and some added protection. We don't recommend paint as the parts fit is tight and a layer of paint may cause the stand to bind and not work properly. When fully assembled the stand is a great tool for your workbench and at the field! Let's get started!

1) Start by cutting out all the plywood pieces using a heavy duty razor blade such as a box cutter. Try to cut the tabs off cleanly to minimize the amount of sanding required.



2) Sand down any tab pieces left on the parts. Make sure any internal slots are clean to allow smooth movement of the bolts through the slotted areas.



3) Locate the center base piece and the center lower support piece. Apply your choice of glue to the mating surfaces and press them together so they sit tight. Clean up any glue squeeze out and set this aside until the glue is set.



4) Once the glue is set on the center section locate the two end leg pieces. Using your choice of glue apply a bead along the mating surfaces and push the pieces together. Check to make sure they are square and set aside for the glue to set.



5) Locate the upper arm pieces and slide brace pieces. Place a bead of glue on the arm between the tabs and place the pieces together. Make sure they fit tight with no gap between the pieces. Set them aside till the glue is set.



6) Locate the knuckle pieces and the cradle base pieces. Apply a bead of glue to each knuckle and press them into the cradle base. Make sure they are sitting perpendicular and set them aside until the glue is set.



7) Locate two center arm pieces along with a 1/4" x 1" Carriage Bolt, a 1/4" Flat Washer and a 1/4-20 Wing Nut.

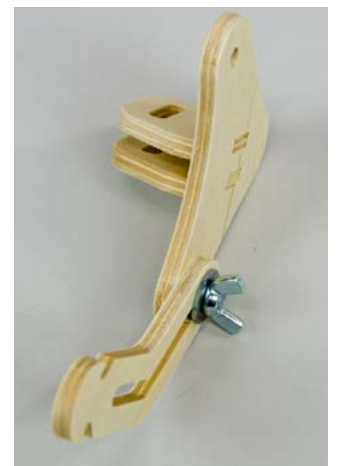
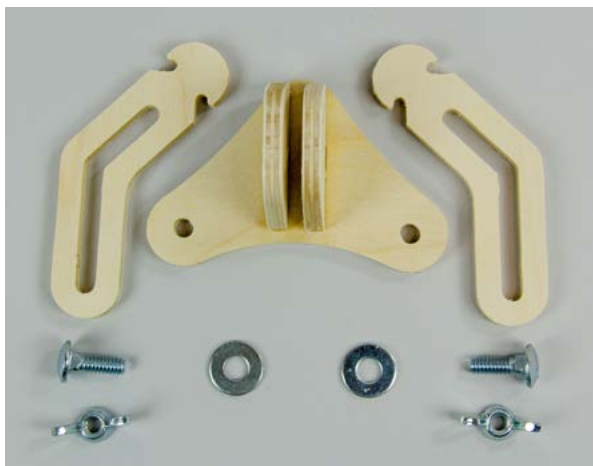


8) Using the 1" Carriage bolt slide it into the 1/4" hole on the end of one of the center arms then through the stand base and back through the second arm. Using the 1/4" washer and wing nut draw the bolt into the first arm and tighten down the assembly.

Repeat for the second arm.



9) Locate the end cradle assembly, two cradle support arms, two 1/4" x 3/4" carriage bolts, two 1/4" washers and two 1/4" wing nuts. Slide the carriage bolts in from the side with the knuckles then slide the cradle arm on and tighten the bolt into the cradle using the 1/4" washer and wing nut. Repeat for the other side.



10) Locate the upper arm assemblies, the cradle assemblies, 1" carriage bolts, 1/4" washers and wing nuts. Slide the end of the arm with the 1/4" hole in between the knuckle pieces. Slide the 1" carriage bolt through and tighten the assembly together using the 1/4" washer and wing nut.



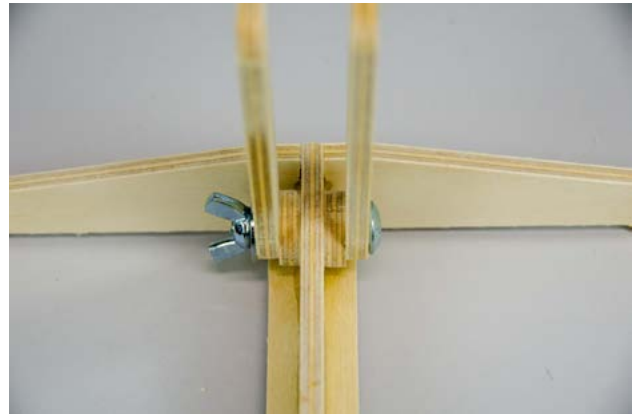


11) Slide the upper arm assembly onto the lower arm and check to make sure it can move freely. If needed sand the parts so the move freely but are not too loose.

Repeat this for the second arm.



12) Locate the four arm support pieces, four plywood spacers, four 1-1/2" carriage bolts, washer and wing nuts. Slide the carriage bolt through one of the support arms and then through a spacer then the center base piece. Add a second spacer on the other side then place the second support arm. Tighten this down using a 1/4" washer and wing nut. Repeat for the second arm.



13) Angle the support arms so the 1/4" hole aligns with the slot in the lower arms. Slide a 1-1/2" carriage bolt through the assembly and tighten down using a 1/4" washer and wing nut.

Repeat this for the second side.



Congratulations your stand is now complete! Check to make sure it can fully articulate and move smoothly throughout the entire range. Some minor sanding may be required to allow all the connections to move smoothly. Your stand can now hold most planes from parkflyers up to .40 sized planes weighing up to 6 lbs.



**LIMIT OF LIABILITY:**

In use of our products, Foam-Flite's only obligation shall be to replace such quantity of the product proven to be defective. User shall determine the suitability of the product for his or her intended use and shall assume all risk and liability in connection therewith.

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