

Balsa USA

Electric Motor Mount Kit

(Please read these instructions fully before beginning your build to ensure all steps are fully understood)

This Electric Motor Mount kit is designed for both electric conversion of existing models, as well as new kit construction. This kit does not have any thrust angles built into it for across the board compatibility. If your model requires trust angle offsets, we recommend placing washers behind the mount that is included with the motor you choose. In this way you can ensure that you have the ability to make adjustments without needing to replace this kit.

Included with this kit:

1- Laser cut Motor Mount Kit (5pcs)

3- 6" pcs 1/4" Balsa Triangle Stock

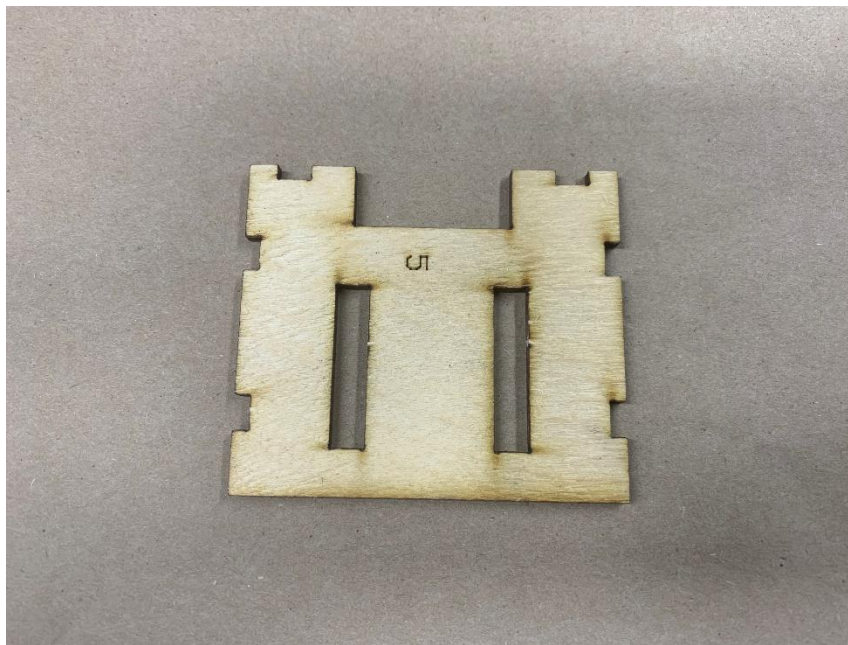
4- 8/32 Bolts

4- 8/32 T-nuts

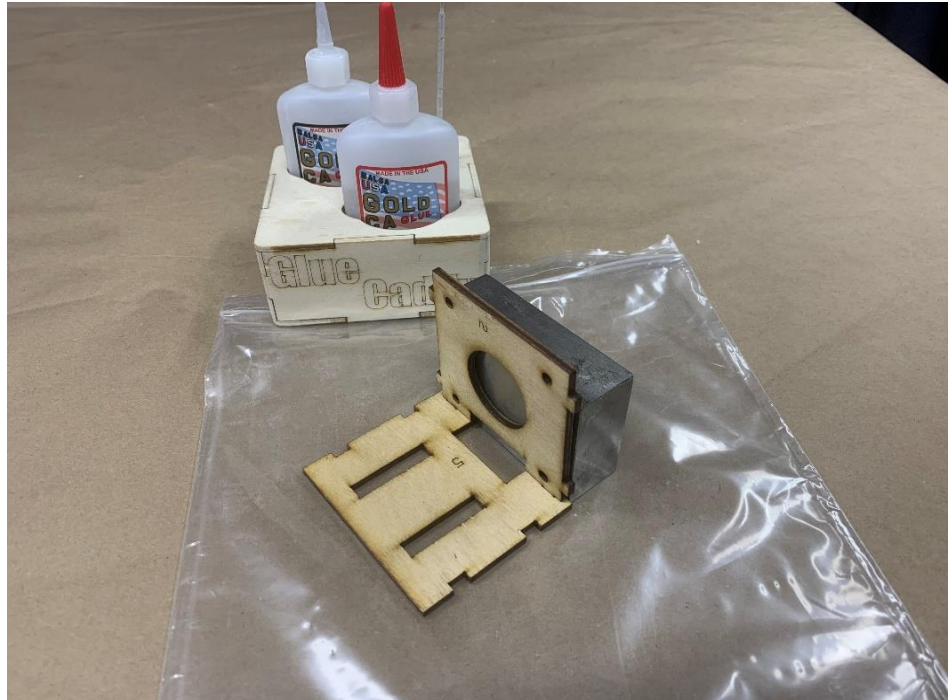
4- #8 washers

4- #8 lock washers

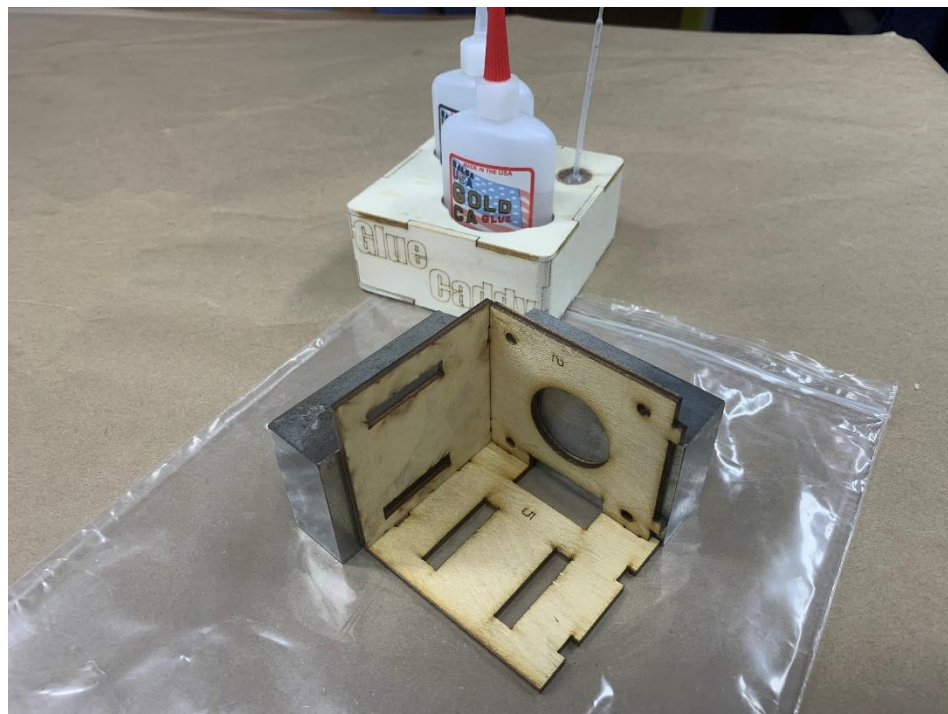
Step 1: Place piece #5 on a flat/level surface. (Using a small piece of plastic underneath will keep the mount from getting glued to your work surface)



Step 2: Using a 1-2-3 block or builders square to ensure squareness, place part #2 in the slots at the rear of part #5. Use Balsa USA Gold Thin CA to tac these two parts together.

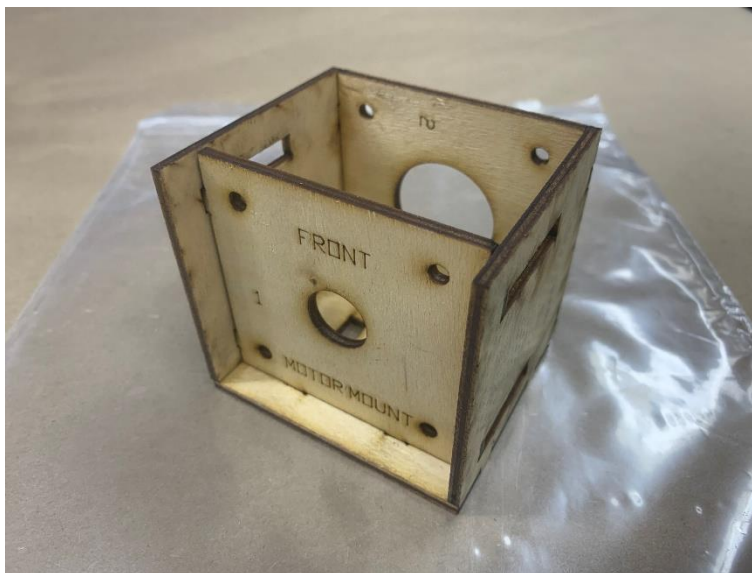


Step 3: Again, using a 1-2-3 block or builders square, place part #3 into the slots on the side of part #5. Use Balsa USA Gold Thin CA to tac these parts together.



Step 4: At this point place the tabs on part #1 into the slots on parts #3 and #5. **DO NOT GLUE PART #1 AT THIS TIME**

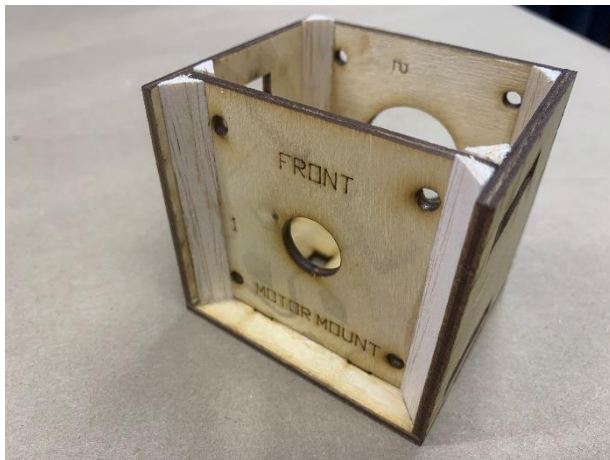
Step 5: Place part #4 into the slots and tabs on the opposite side from part #3 you tac'd on Step 3. Being careful not to glue Part #1, use Balsa USA Gold Thin CA to tac together.



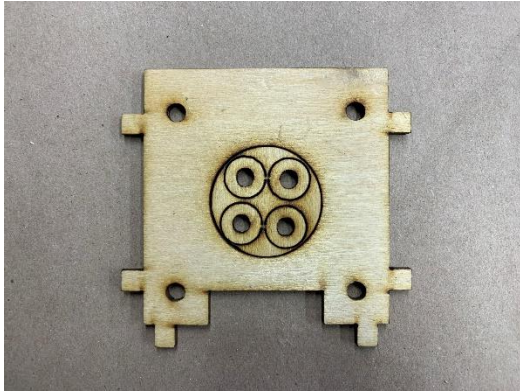
Step 6: At this point Part #1 should slide freely from front to back. You will need to install your motor to Part #1 and adjust to fit to the model you are working on. Pay close attention to prop clearance at the cowl.

Step 7: After you have your motor adjusted properly, you can then use Balsa USA Gold Thin CA to tac Part #1 in place. Once you have completed this step and before you move to step 8, check your motor box assembly with your model to ensure proper fit and alignment and prop clearance.

Step 8: Once you have checked your motor box alignment and prop clearance with your model, you can then use the included balsa 1/4" Triangle stock to secure your corners using Balsa USA Gold Thick CA.



Step 10: Included in this kit, to save weight and ensure compatibility, we have included 4 wood washers attached to Part #5. These are installed onto your motor blind nuts as shown. Once you have them installed to the motor box just add a few drops of Balsa USA Gold Thin CA and they will give your blind nuts plenty of purchase on the back side to secure your motor to the motor box.



Step 9: Once you have completed your motor box it's a good idea to go back over all of the joints with Balsa USA Gold Thin CA to ensure a solid bond between all the parts.



Note: Star Motor Mount is not included in this kit, picture is for your reference only.

Thank you for choosing Balsa USA for all your building needs! If you have any questions or concerns concerning this or any other Balsa USA build please don't hesitate to contact us for further assistance.

Check out:

https://www.youtube.com/channel/UCPiWfU9y7FW6MMvD2dlgMSA?view_as=subscriber

for a detailed video on the assembly of this kit.