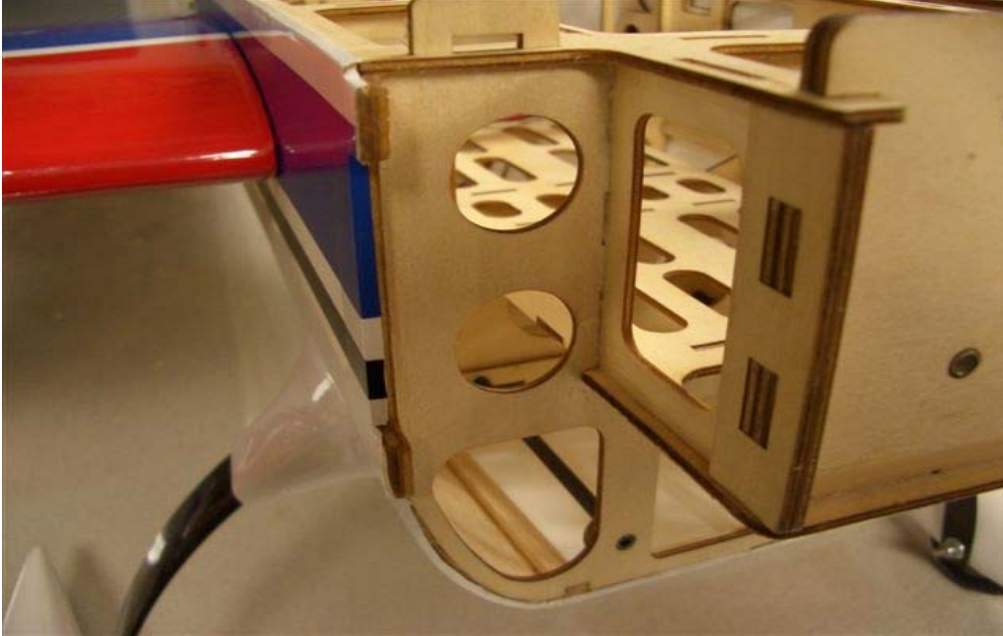


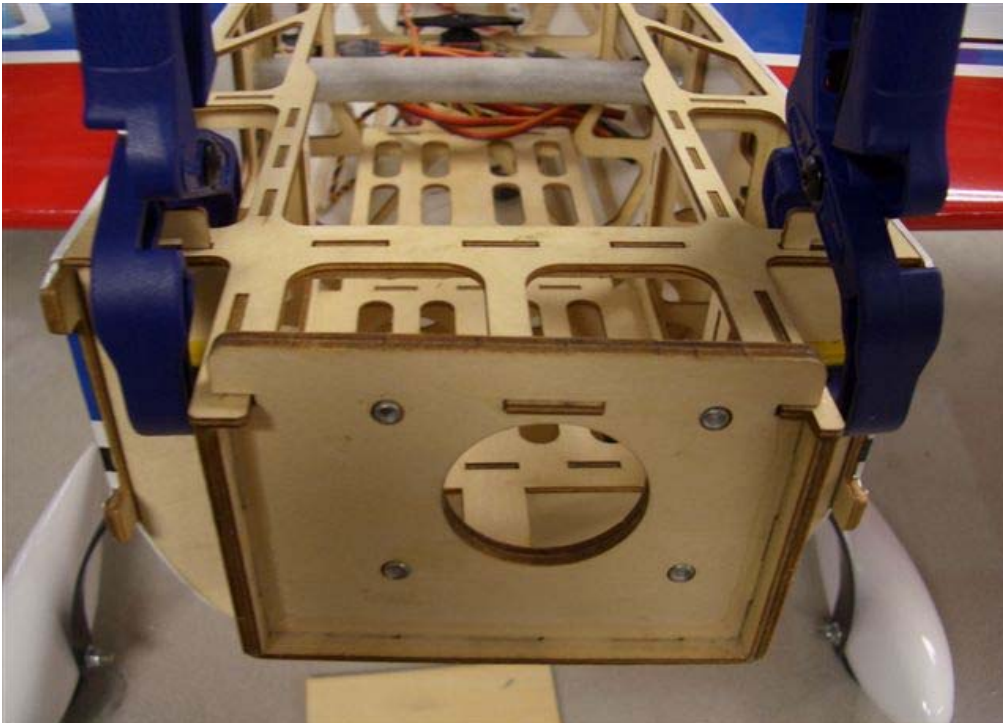
## Extreme Flight RC 58 inch Extra 300 Glow conversion instructions

Thanks for your purchase of the Extreme Flight RC 58 inch Extra 300 ARF. In this document we will outline the additional assembly steps required to convert the Extra to glow power. It is a good idea to trial fit all parts before gluing to ensure proper fit.

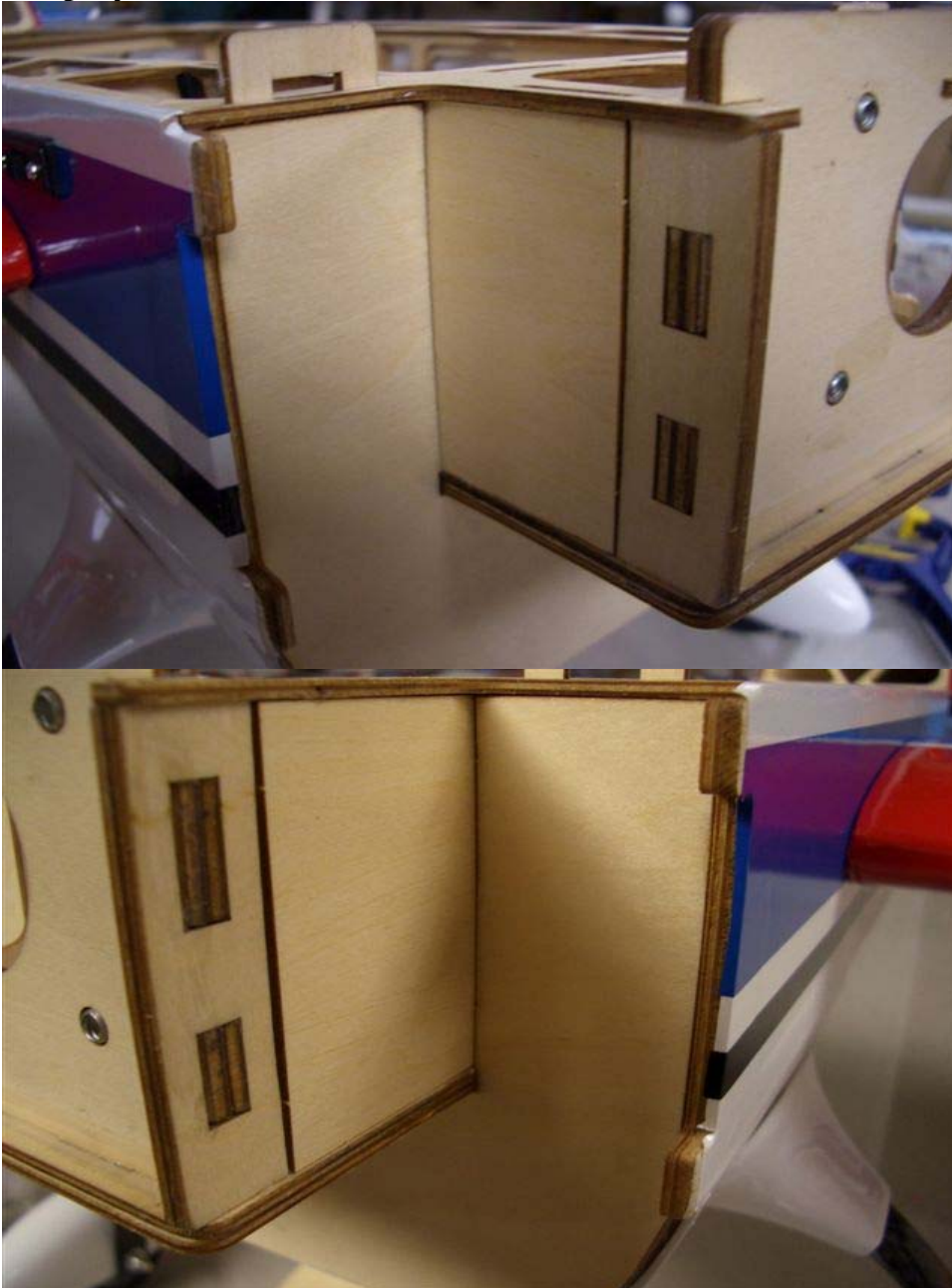
1. Remove the clear covering from the firewall former.



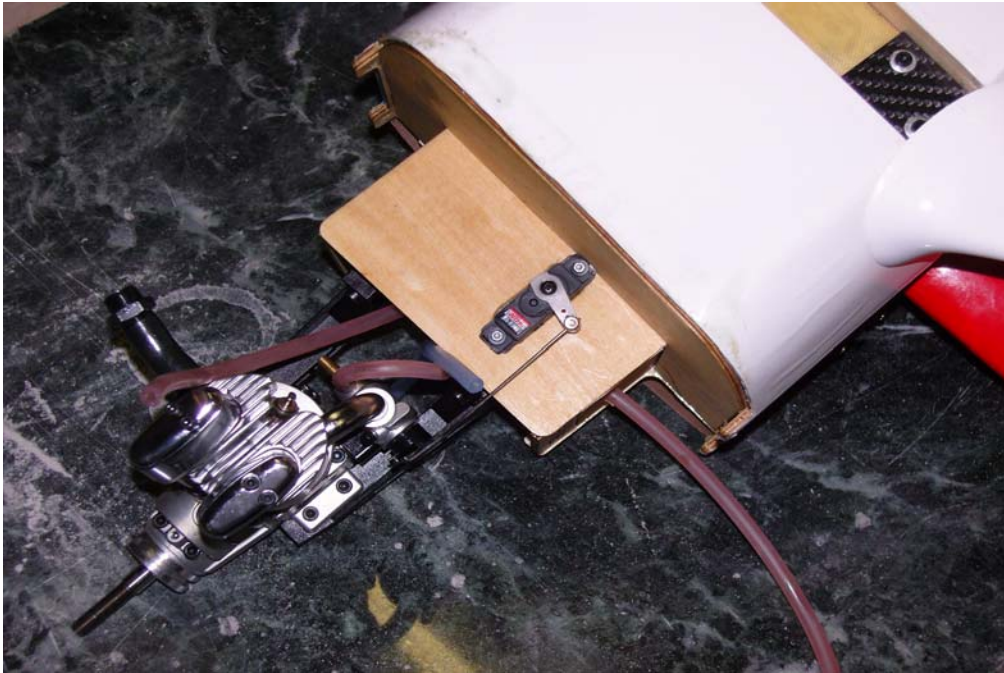
2. Locate the plywood plate that is shaped like the firewall former and trial fit it in place. You will need to slide the plate on from the front of the engine box. When satisfied with the fit, glue the plywood plate in place with 30 minute epoxy. Use clamps and tape to make sure the plate adheres properly to the firewall.



3. **Glue the 2 plywood motor box side reinforcements in place with 30 minute epoxy.**



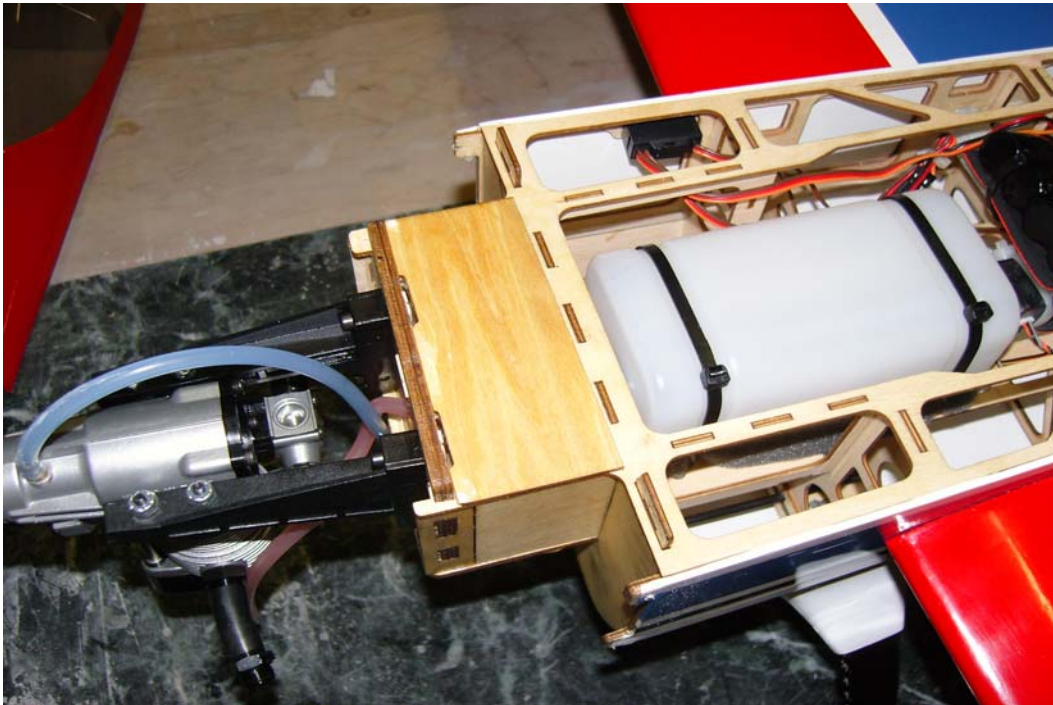
4. **Before gluing the bottom plate in place, you may want to consider the throttle servo requirements of your particular engine. For the Saito .82 we found it easiest to mount the throttle servo to the engine box bottom plate as shown in the photo. This made for a very easy throttle linkage installation. (see photo on following page)**



5. Use the supplied bolts and washers to temporarily mount the 2 piece nylon engine mount to the engine box. The engine is intended to be mounted inverted in the Extra. Horizontal mounting is possible but will require you to drill new holes for the engine mounts. Place the engine on the mounting beams. The distance from the face of the motor box to the engine drive washer should be  $5 \frac{1}{8}$ ". The proper amount of right thrust is already built into the front of the engine box. Mark the mount for the holes in the engine mounting lugs and then remove it from the airframe. Drill the nylon mounts to accept your engine mounting bolts (not included). Depending on the engine used you may need to alter the location of the holes in the front of the motor box. Brush a light coat of epoxy thinned with alcohol over the entire motor box area to prevent fuel saturation.



6. Permanently install the motor mount, using blue Loctite on all bolts. Install the engine onto the mounts, again using blue Loctite on all bolts. Assemble and install the tank with nylon cable ties or Velcro just in front of the wing tube on the plywood tray. Plumb all connections, then install the top of the engine box. You may need to trim the engine box top to clear the top two blind nuts.



7. Use a rotary tool to open the bottom of the cowl to allow clearance of the engine cylinder and muffler and to allow proper cooling. You will also want to make a hole to access your needle valve. Here is a picture of how we cut our cowl to accommodate the engine cylinder and muffler of the Saito 82. Install the cowl, prop and spinner, verify CG as per the manual, and you are ready to go!

