

PML Electronics Bay Build Instructions



Epoxy is recommended for this construction!

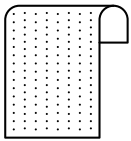
Before beginning construction, read over instructions to become familiar with the proper construction steps. Check Parts List to make sure you have all the parts.

TEST FIT ALL PARTS! Light sanding may be necessary to obtain proper fit.

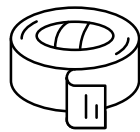
ITEMS YOU WILL NEED TO BUILD THIS KIT



Epoxy – (5, 15 and 30 Minute Recommended)



Fine and Medium Sandpaper



Masking Tape



Pencil and Ruler



Cyanoacrylate Glue (Superglue)



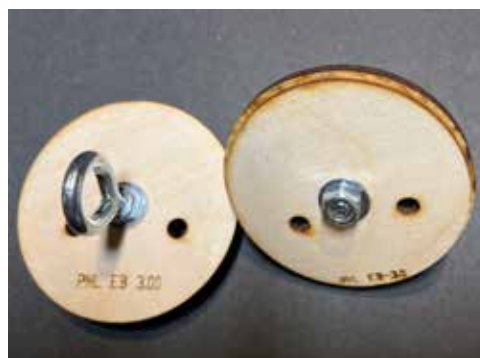
Paint

STEP 1 - Stepped Bulk Plate Assembly

Epoxy center stepped bulkhead onto bulkhead plate. **Temporarily** use an eye bolt and nut through the center hole to assist with bulkhead-plate alignment. Make sure the two rod guide holes align. Once alignment is made, remove eyebolt and set bulkheads aside to cure. Repeat process for the second bulkhead.

STEP 2 - Eye Bolt Assembly

Thread one 10x24 standard nut onto an eye bolt. Thread the nut to the top of the eye bolt, followed with a washer. Insert the eye bolt/washer into the center hole of the front of the bulkhead plate. Slide a washer and a second 10x24 nut onto the eye bolt from the back of the stepped plate. Tighten securely. A dab of epoxy will help hold the nut in place. Repeat process for the second bulkhead.



Parts List

Check your parts before you begin your build!

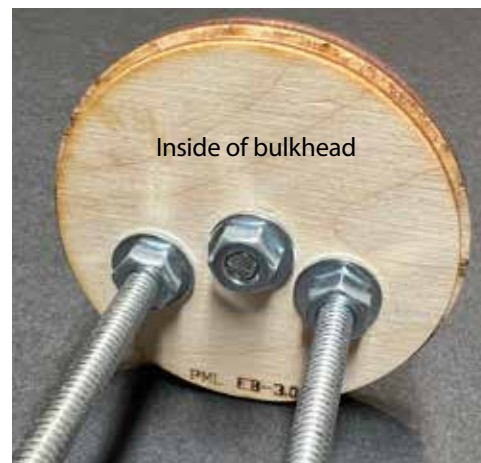
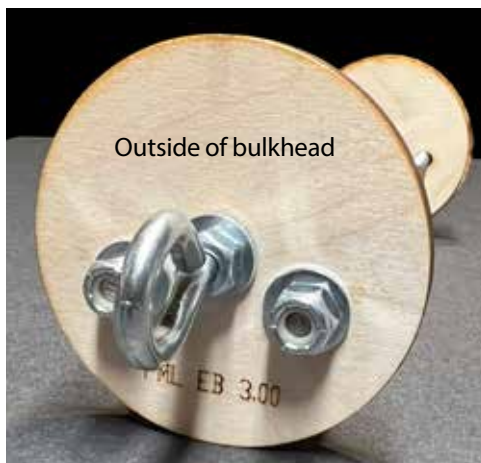
- 1 – Coupler Tube
- 1 – Switch Band
- 1 – Electronics Sled
- 2 – Threaded Rods
- 2 – 10x24 Eye Bolts
- 4 – Wooden Rod Guides
- 2 – Bulkhead Plates (OD of coupler)
- 2 – Stepped Bulkhead Plates
- 1 – Switch Band
- 8 – Washers
- 6 – 10x24 Standard Nuts
- 2 – Lock Nuts
- 2 – Wing Nuts



If you have questions, contact Loc at:
support@locprecision.com
920-892-0557

STEP 3 - Threaded Rod Assembly

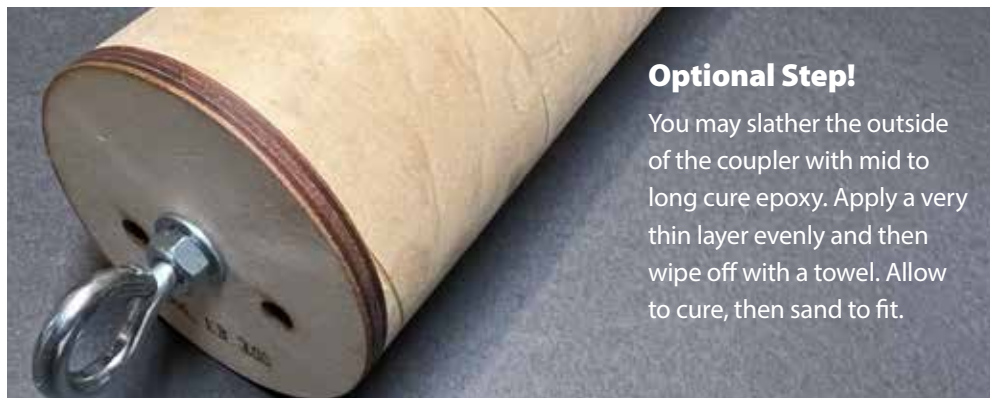
Secure a threaded rod with a washer and locking nut on the outside of the stepped bulkhead. Use a washer and a standard nut on the inside of the bulkhead. You'll need two 10mm (7/16") wrenches or pliers to tighten the nuts and compress onto the bulkhead. Repeat the process for the second threaded rod. This is the removable side of the electronics bay.



Step 4 - Bulkhead Coupler Assembly

Place the remaining bulk head onto one end of the coupler. Using a long stick, epoxy fillet **inside the coupler** at the intersection where the stepped bulkhead meets the ID of the coupler. Allow to cure.

Note: the above step is optional. Many builders leave both bulk plates removable from the coupler.



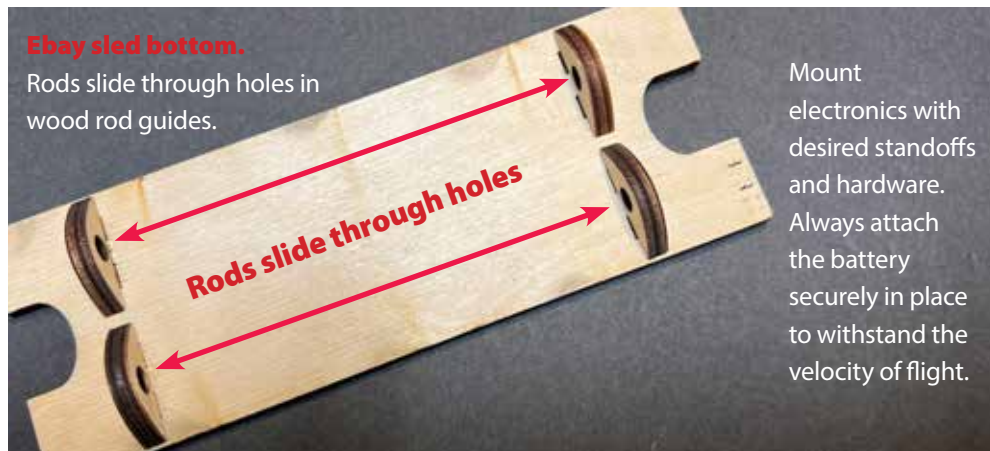
Optional Step!

You may slather the outside of the coupler with mid to long cure epoxy. Apply a very thin layer evenly and then wipe off with a towel. Allow to cure, then sand to fit.

Step 5 - Sled Assembly

Insert the four wooden rod guides into the laser cut holes on the sled. Sanding may be required to get the wood guides into the holes. Test the rod alignment by sliding the sled onto the rods; adjust as necessary. When satisfied with the fit, epoxy the wooden rod guides onto the sled.

Do not epoxy the sled onto the rods or rod alignment holes! The sled is designed to be removable for easier work on your electronics.



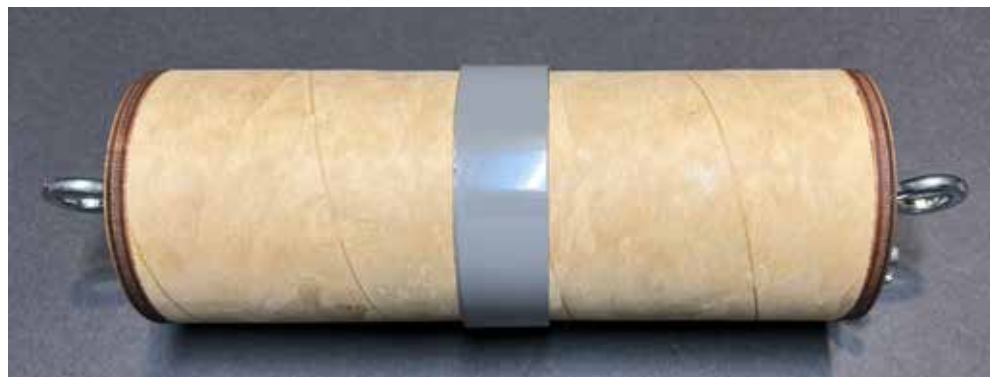
Ebay sled bottom.

Rods slide through holes in wood rod guides.

Mount electronics with desired standoffs and hardware. Always attach the battery securely in place to withstand the velocity of flight.

Step 6 - Switch Band/Coupler Assembly

Measure and mark the center of the coupler. Then epoxy the 1" switch band onto the center of the coupler.



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