FLEX AVIATOR 40E FLOAT INSTALLATION INSTRUCTIONS

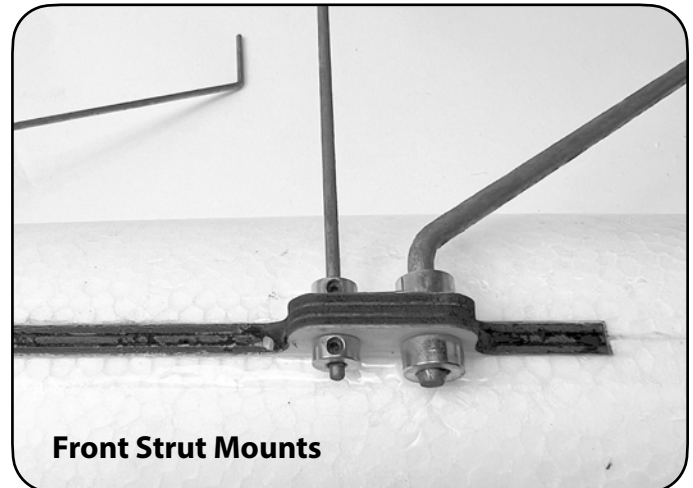**Required Tools**: #1 Phillips Screwdriver   #2 Phillips Screwdriver
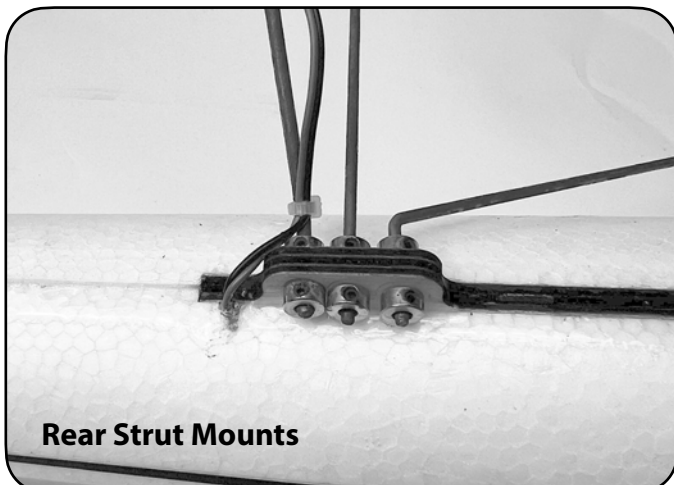   1.5mm Allen Driver   Blue Thread Lock

Note: There are two lock collar sizes included with your float set. The two sizes are different inside diameters. The collars with the larger inside diameters (4.5mm) are used for the front main struts (4). The collars with the smaller inside diameters (3mm) are used for the spreader bars, the rear main strut and the diagonal reinforcement struts (16). All set screws in all the collars use the 1.5mm Allen Driver. **Always secure set screws with blue thread lock when assembling**.
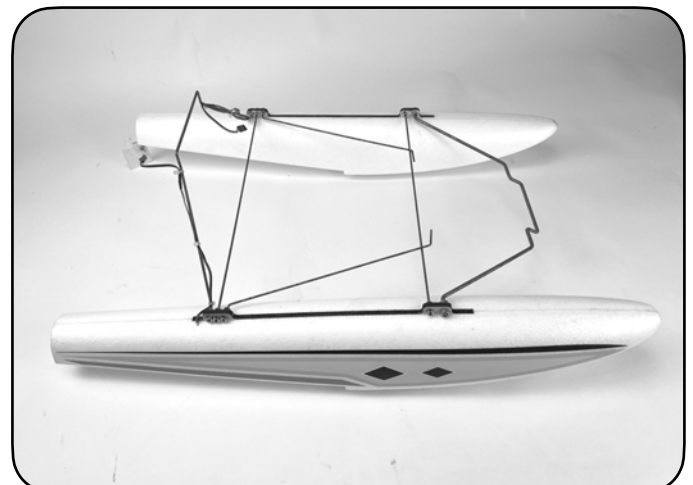

1. Secure the set screws to the flat spots on the inside (2nd in from the end) of all of both side of all the struts and spreaders. Pay special attention to the size of the strut and inside diameter of the wheel collars. Use blue thread lock to secure the set screws in place.
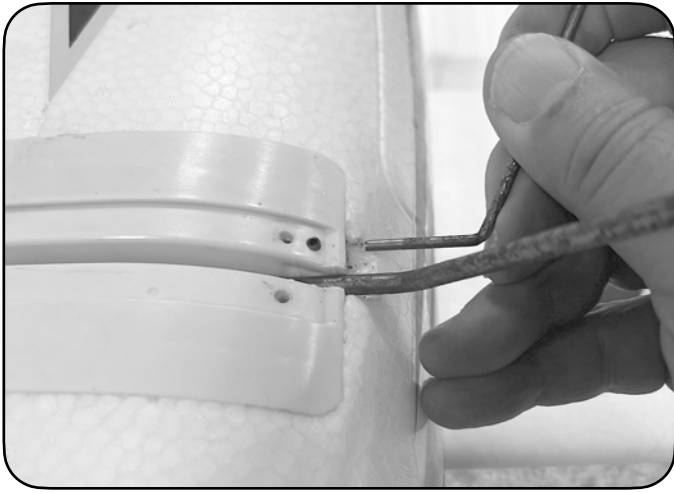

Front Strut Mounts

2. Slide the struts through the wood mounts in each of the floats. Note that the 4.5mm front main strut goes in the forward-most hole in the front of the float, the 3mm rear main strut goes in the rear-most hole in the rear of the float, and they both angle towards rear as they near the fuselage (see picture on page 3 for details). The 2.5mm diagonal reinforcement struts go into the front-most holes in the rear of the floats. The 2.5mm straight spreaders should go in the remaining holes.

Rear Strut Mounts

3. Secure the set screws to the struts on the outside of the plywood mounts. Pay special attention to the size of the strut and inside diameter of the wheel collars. Use blue thread lock to secure the set screws in place.
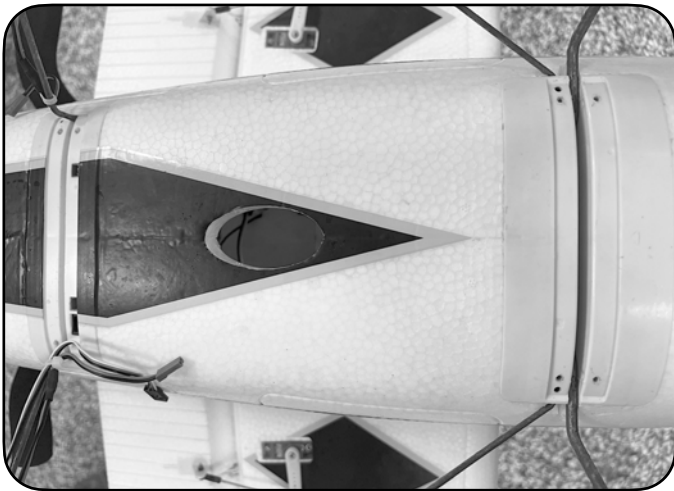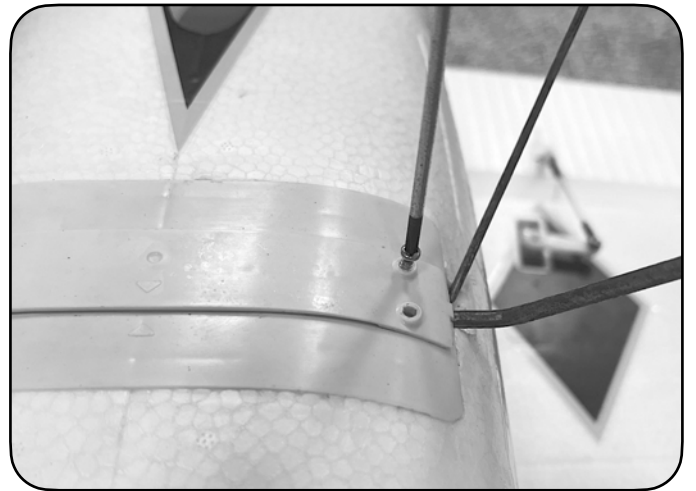

Fully Assembled Float Set.

4. If you have not done so already, remove the cover plates from the gear, and rear float bracket mounts and remove the main gear.

5. Insert the front and rear main float brackets into their corresponding mounts.

6. Insert one diagonal reinforcement struts into the mounting slot as shown in the picture above. Repeat for the other one.
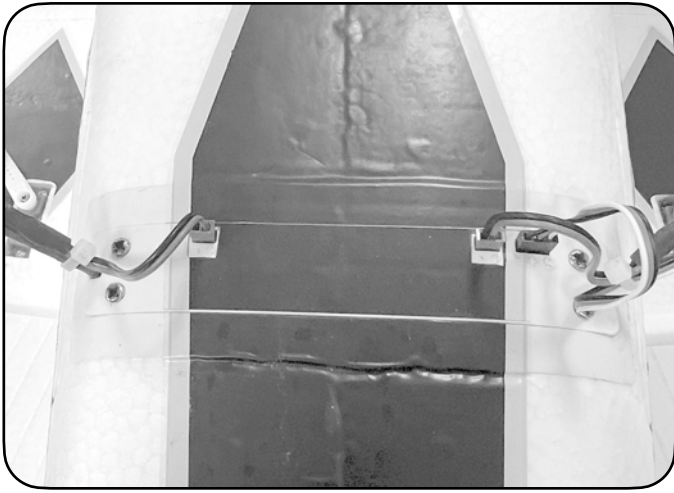
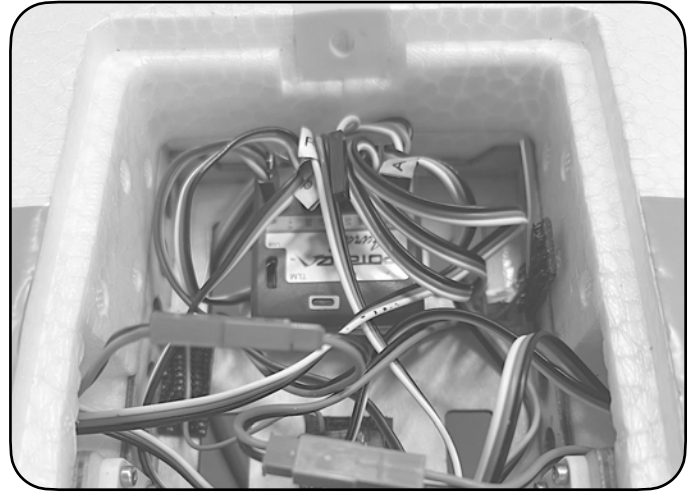7. Tighten the diagonal reinforcement strut set screws using a 1.5mm Allen Driver.

8. Once everything is in place it should look like this.

9. Mount the floats to the fuselage using the front and rear cover plates and screws that were removed in step 4.

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10. Plug in the LED and water rudder connectors to the ports that are provided for them in the fuselage. The LED connectors are labeled with + & - and the water rudder connector has an S to indicate which side the white signal wire should go to.
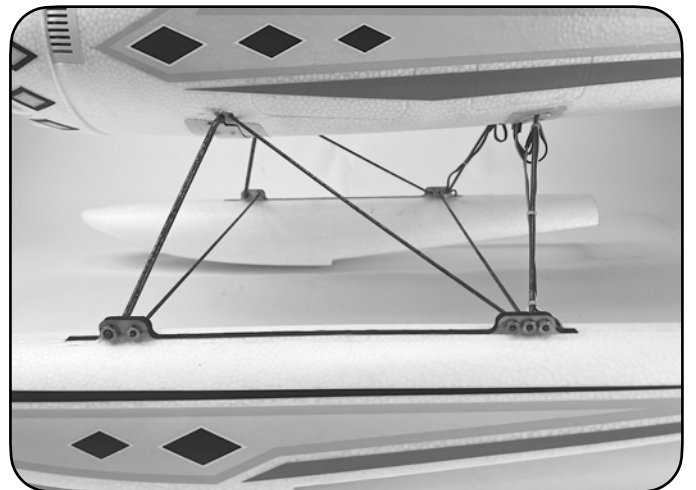

11. The water rudder needs to be connected to port S8 in the Aura. In order to connect it you will have to disconnect the light controller. That is fine, when the light controller is not connected to signal it will default to always on.

Note that with the floats installed the Flex Aviator 40E has a large amount of LEDs. For this reason Flex Innovations recommends that you fly the Flex Aviator 40E night version using a 500mAh 3S battery dedicated to powering the LED lights (FPZB5003S40 recommended

12. Secure any loose wires with cable-ties as shown here.

13. Once everything is completed your installation should look like this!

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Thank you for purchasing your Flex Innovations Float Set for your Flex Aviator 40E!

We hope you enjoy your new float set!

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