

F4U Corsair

Sliding Canopy Installation Manual



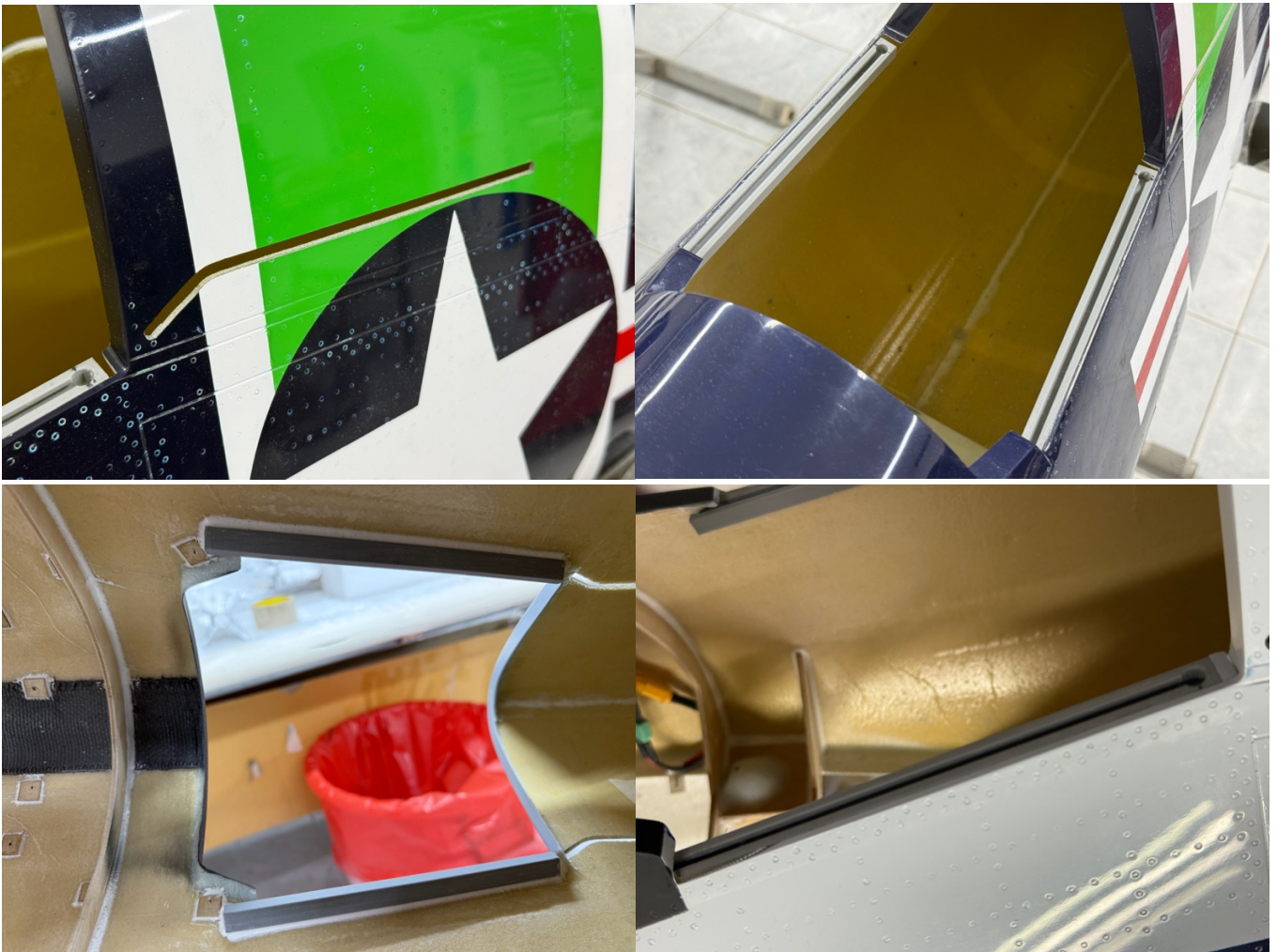
The Corsair's sliding canopy mechanism is a reliable, proven, and easy-to-install system that can be assembled by modelers of all experience levels. This instruction manual serves as a guide to demonstrate the correct installation and operation of the mechanism. Please note that this manual is intended as a general installation reference and does not describe every individual step in exhaustive detail. Instead, it provides clear explanations, illustrations, and recommendations that will allow the builder to understand the installation process and successfully fit the sliding canopy system to the aircraft. We recommend reading the entire section before beginning the installation and taking time to familiarize yourself with all components. Proper alignment and careful assembly will ensure smooth, reliable canopy operation for many years of service.

The Sliding Canopy SET for the CARF-Models F4U Corsair:



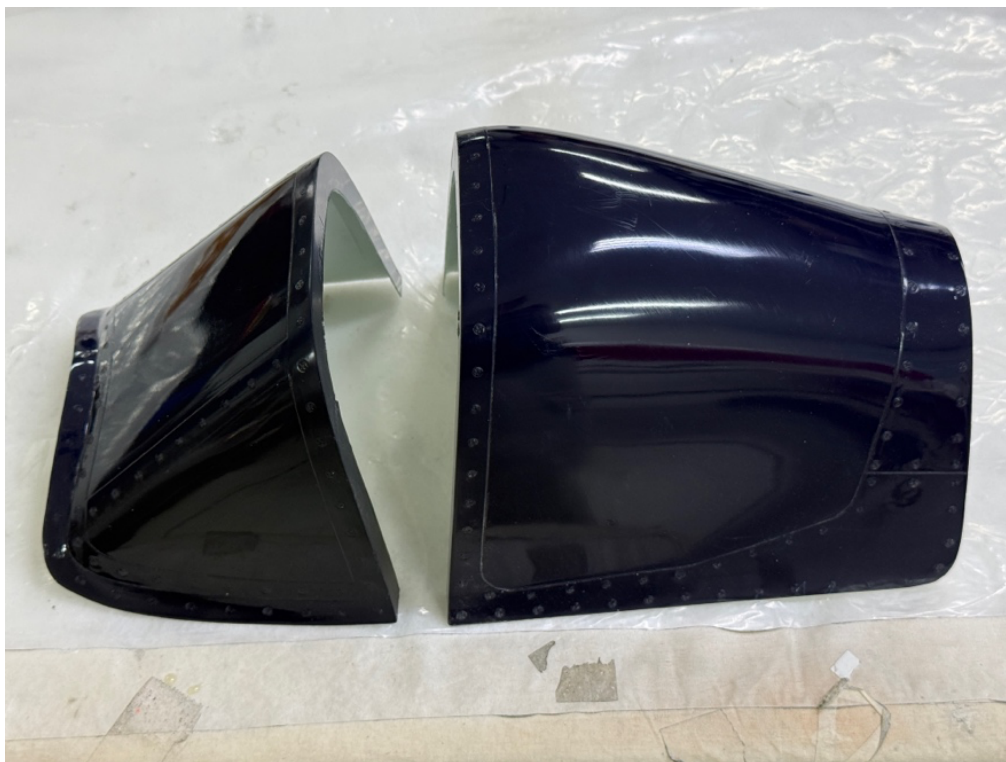
First Step: Sliding Rails Installation

- Use the in the Sliding Canopy Set included 3D-print jig to cut the sliding rails on each side of the fuselage
- Mark and carefully cut the cutout for the bottom sliding rails of the canopy mechanism (left & right of the cockpit opening)
- Install the included 3D-print bottom sliding rails on the inside of the cockpit opening left & right by using thickened resin or epoxy



Next Step: Cut the Canopy Frames

- Cut out the areas where the clear canopy is supposed to be installed



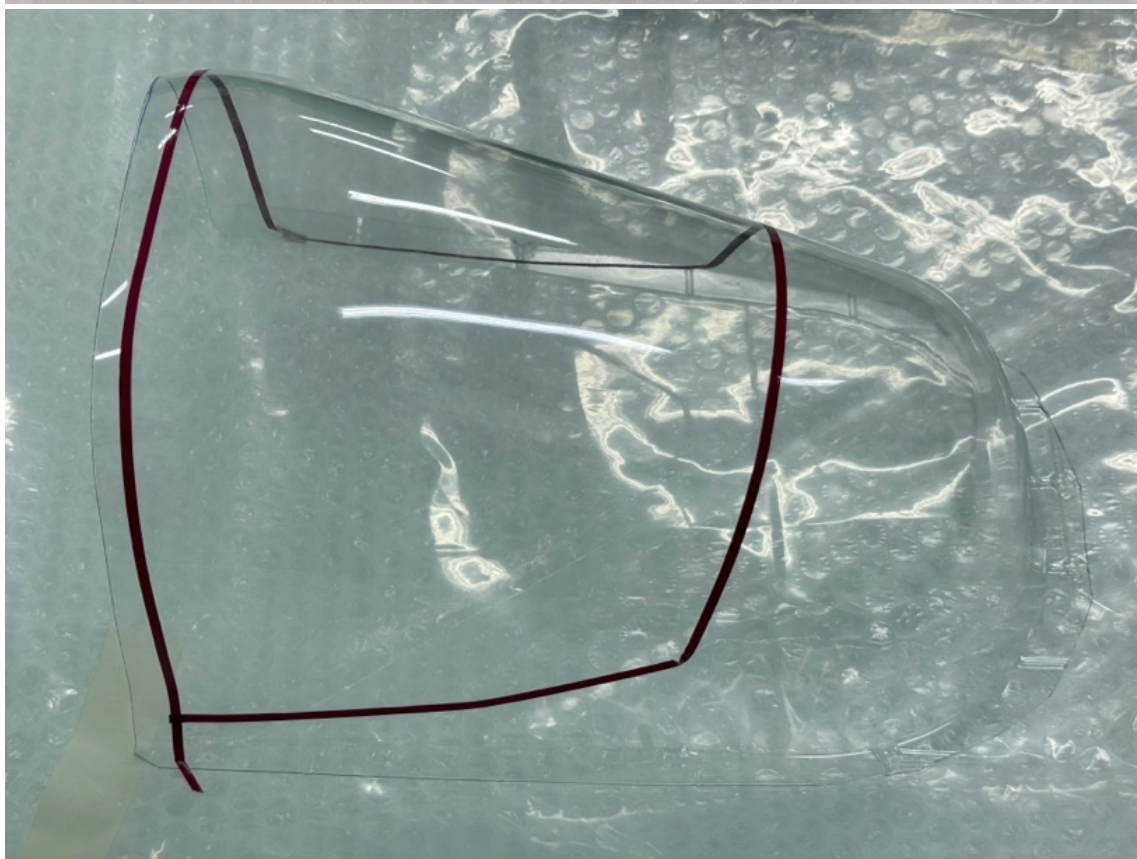
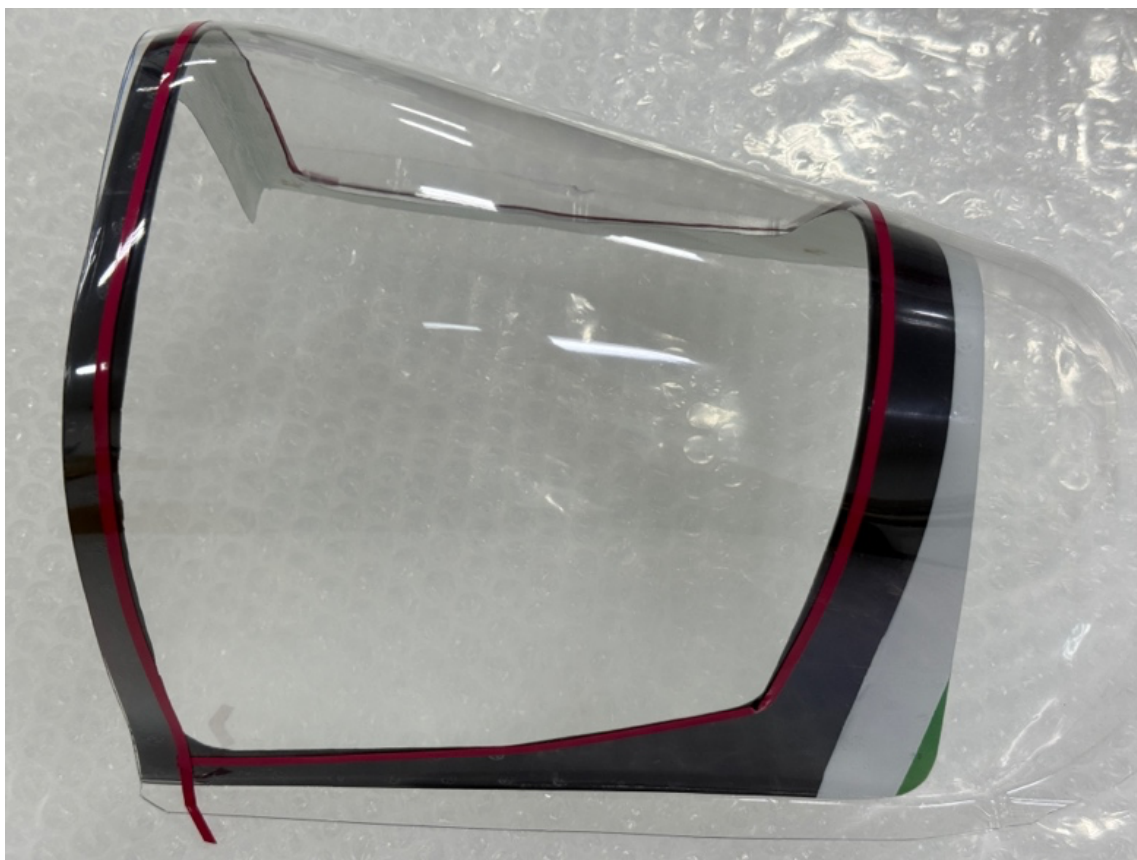
Next Step: Carbon Former Installation

- Use the two in the Corsair Kit included carbon formers and install one at the front of the rear canopy frame and the other one at the back of the front canopy frame
- Install the 3D-print parts for the M3 bolt mounting with some small drops of CA glue
- Check if the rear canopy frame slides well within the two sliding rails, if so add thickened resin or epoxy to glue the 3D-print parts



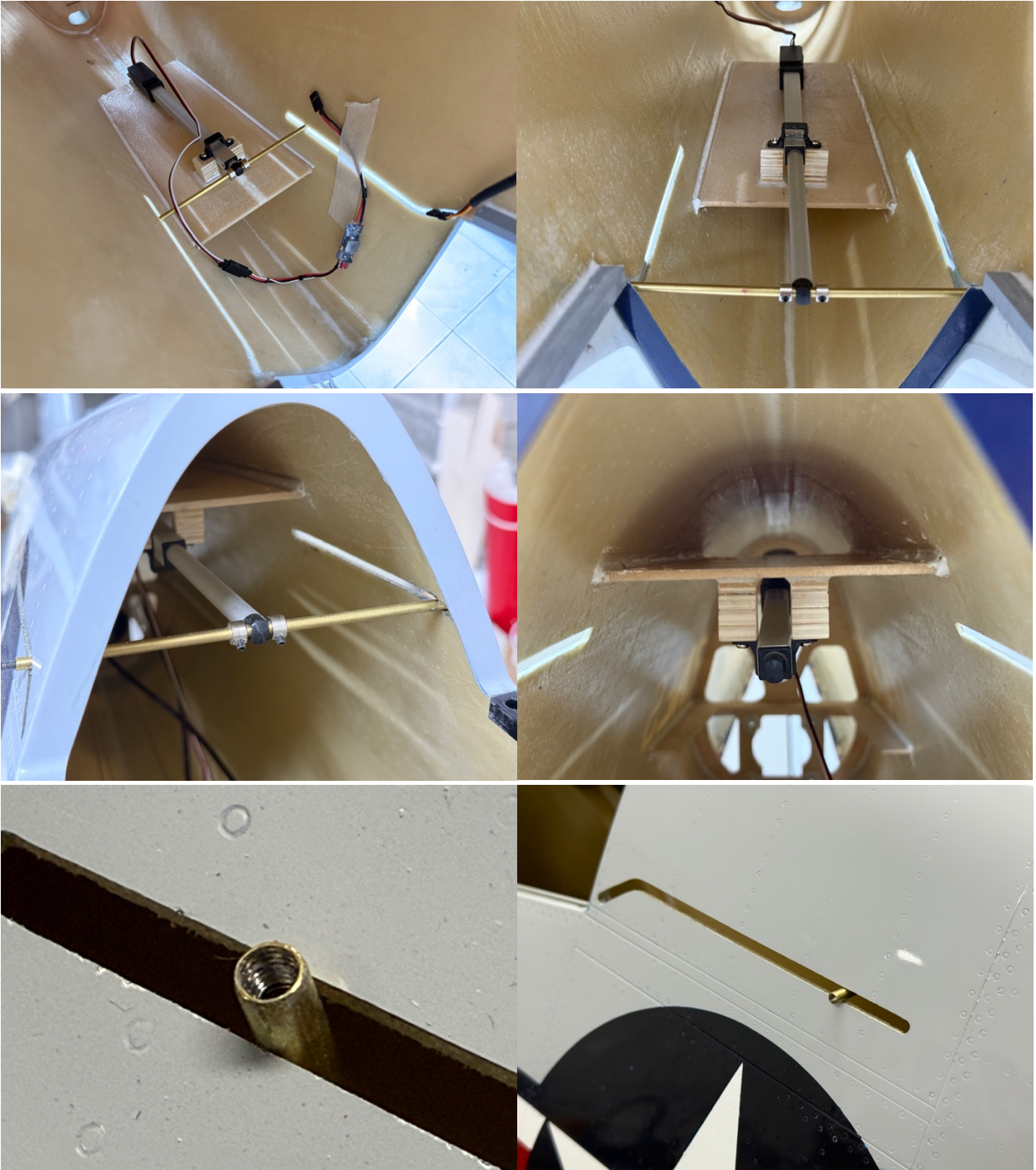
Next Step: Clear Canopy Installation

- Sand the fiberglass canopy frame at the inside (both front & rear frame)
- Mark and carefully cut the clear canopy (front and rear canopy)
- Install the clear canopy into the front & rear frame
- Check if the rear canopy still slides within in the sliding rails after the clear canopy installation



Next Step: Linear Servo Installtion

- Use the in the Sliding Canopy Set included fibreglas/foam board to install your linear servo on
- Fix the linear servo board in place with just a few small drops of CA glue and wait until you have install the brass tube
- By soldering zin into the brass tube you can cut an M3 threat into both ends
- You can install the prepared brass tube to the linear servo so the brass tube stands out 3-4mm on each side of the fuselage
- Now you should test if the brass tube runs smoothly within the the cutted sliding rail
- If that's the case you can use some epoxy or resin to professionally glue the board to the fuselage



Final Step: Linear Servo Installion

- After the mechanism operates smooth you can install the install the front and rear canopy inside the sliding rails and add the M3 round head bolts to mount the rear canopy frame to the sliding brass tube
- For safety you should add a small pin in the top of the rear canopy frame to protect it against vibrations

