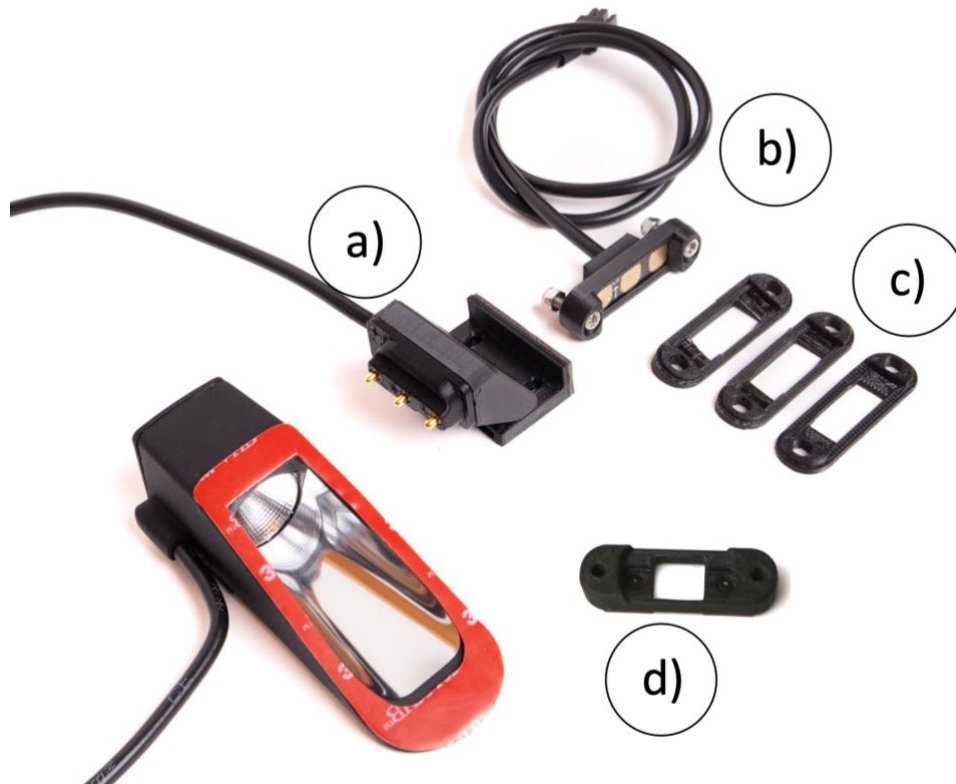# Installation Manual for SteFly Side Opening Canopy Connector "Astir CS"
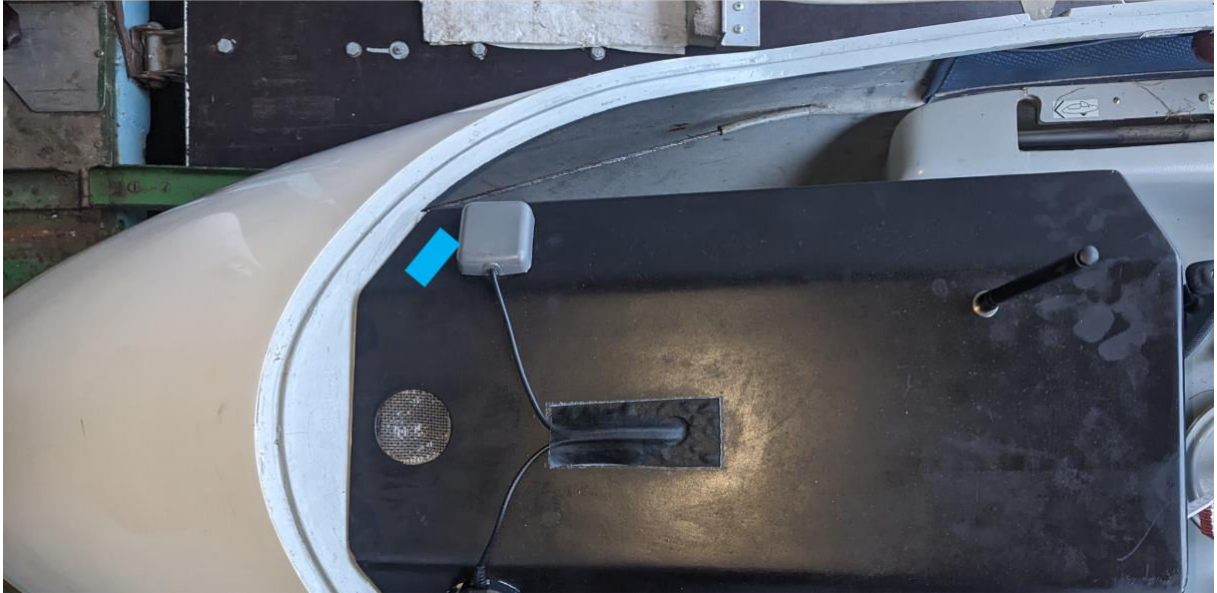
Parts of the side opening canopy connector:

- SteFly Canopy Flasher with short cable and side opening canopy connector a)
- Panel cover connector with cable leading to the control box (or on/off switch in case of Essential version)
- Shims for the panel cover connector (can also be used for the drill template) to adjust the height and angle (remark CS77: panel cover connector modified, therefore shims not necessary)
- Drill template for the panel cover connector (remark CS77: disassemble the panel cover connector, remove the cable and use the housing as drill template)

Overview of the installation location

(blue rectangle marks the position of the panel cover connector):
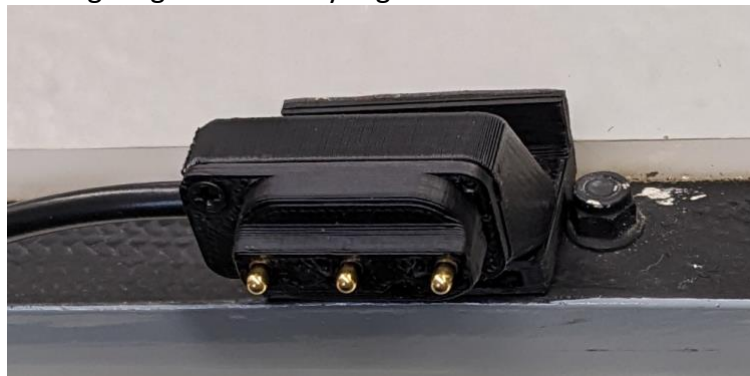

Installation procedure

- Install the canopy flasher like described in the main manual for SteFly Canopy Flasher; do not forget to degrease the bonding surface of the canopy inside in the area of the canopy flasher. Use e.g. water with dishwashing detergent, isopropanol or benzene-free petroleum ether, <u>but never</u> acetone or other alcohol as these solvents may cause micro cracks!

- Remove the instrument panel cover to determine the exact position of the panel cover connector

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- Install the instrument panel cover again
- Degrease the bonding area of the canopy and attach the side opening connector by firmly pressing it against the acrylic glass.
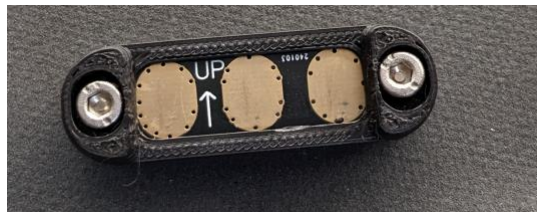

- Loosen the two hexagon socket screws, so that the distance between acrylic glass and the spring-loaded pins (=POGO pins) may be adjusted
- For Astir CS 22: determine, which shim (labelled with c) in the picture "scope of delivery") fits best. The goal is that the pogo pins touch the panel cover connector in right angle when the canopy is closed.
- For Astir CS 22: Clip this selected shim under the drill template, prepare it with double sided adhesive tape and push the drill template onto the POGO pins.
- Take a seat into the cockpit, close the canopy, press the drill template onto the canopy cover and open the canopy again

- Drill the holes for the M3 mounting screws of the opposite connector according to the drill template; drill (and file the rectangle) in the center for the cable.
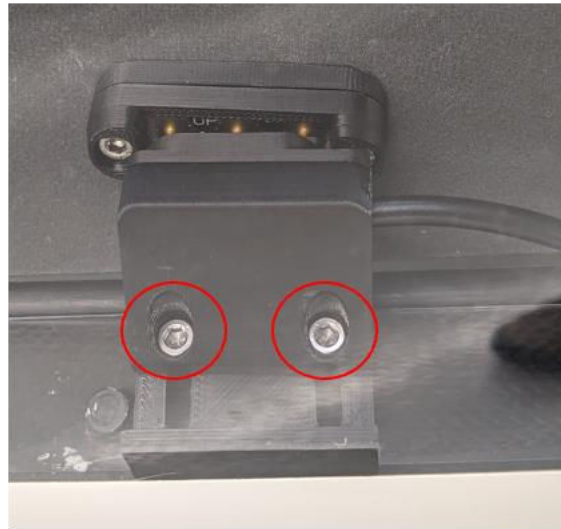

- Put the same shim of the drill template onto the panel connector. Install the panel connector (please check that **the white arrow on the black printed circuit board points towards the cockpit center**) and gently fasten the screws

- Close the canopy carefully and check that all three POGO pins are in contact with the golden connection surfaces of the printed circuit board. For adjustment loosen the two hexagon socket screws of the canopy connector (marked with red circles), reposition, and fasten the screws again.

- Install the Flarm Control Box and the ACL switch in the panel according to the main manual.

Test the Flasher:

Canopy Flasher with Control Box:
- o Switch ACL switch on
- o Close the canopy: the flasher should flash twice with small intensity
- o Search and connect with WiFi network "Just Soaring" on your mobile device or laptop (WiFi of the control box is automatically activated for 3 minutes after switching on)
- o Type in http://192.168.0.1 in a browser and the web application will open
- o Check that nobody is looking directly in the canopy flasher
- o Click on "test"; the LED will flash for 5 seconds with high intensity

Canopy Flasher Essential:
- o Switch ACL switch on
- o Close the canopy: the flasher should flash twice with low intensity and then constantly with normal intensity