

# Hovercraft Manual

## I. Required materials

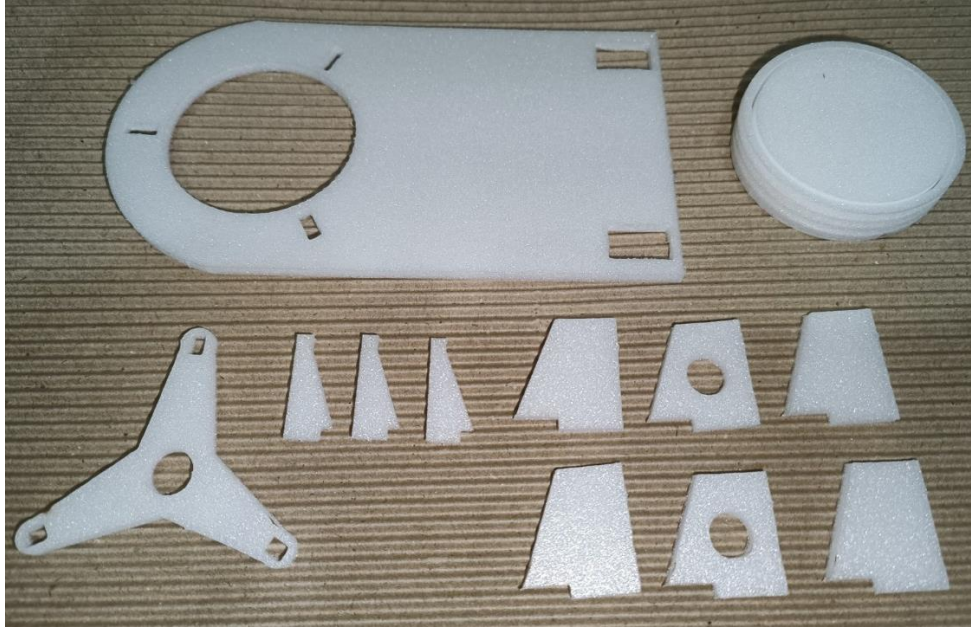


Figure 1 materials for hovercraft cabin

Figure 1 shows the materials for hovercraft cabin. The materials at lower left corner are for lift fan, which should be assembled together with the materials at the upper right corner. The materials at lower right corner are for stands of thrust propellers.

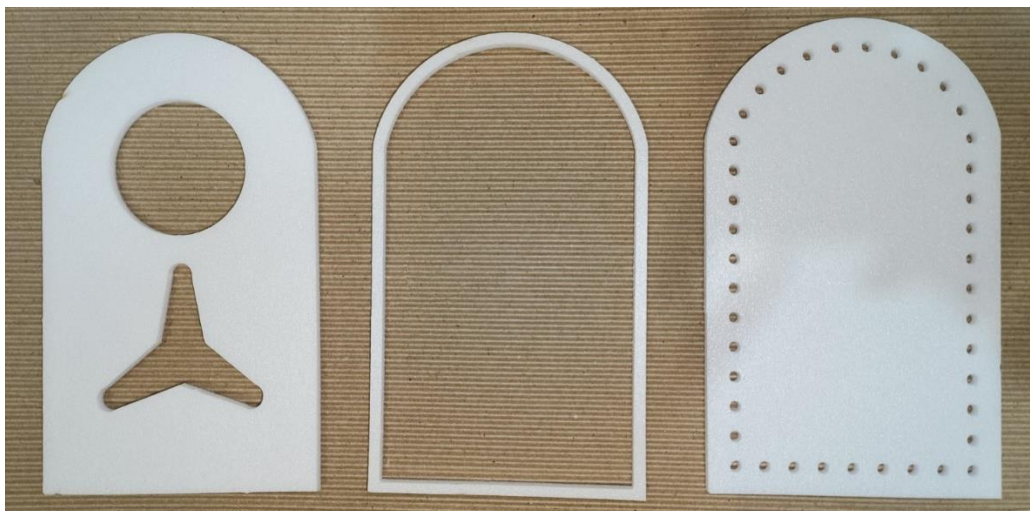


Figure 2 materials for hovercraft skirt

Figure 2 shows the materials for hovercraft skirt. It is designed as replaceable. Hence, user is free to design his/her own hovercraft skirt.

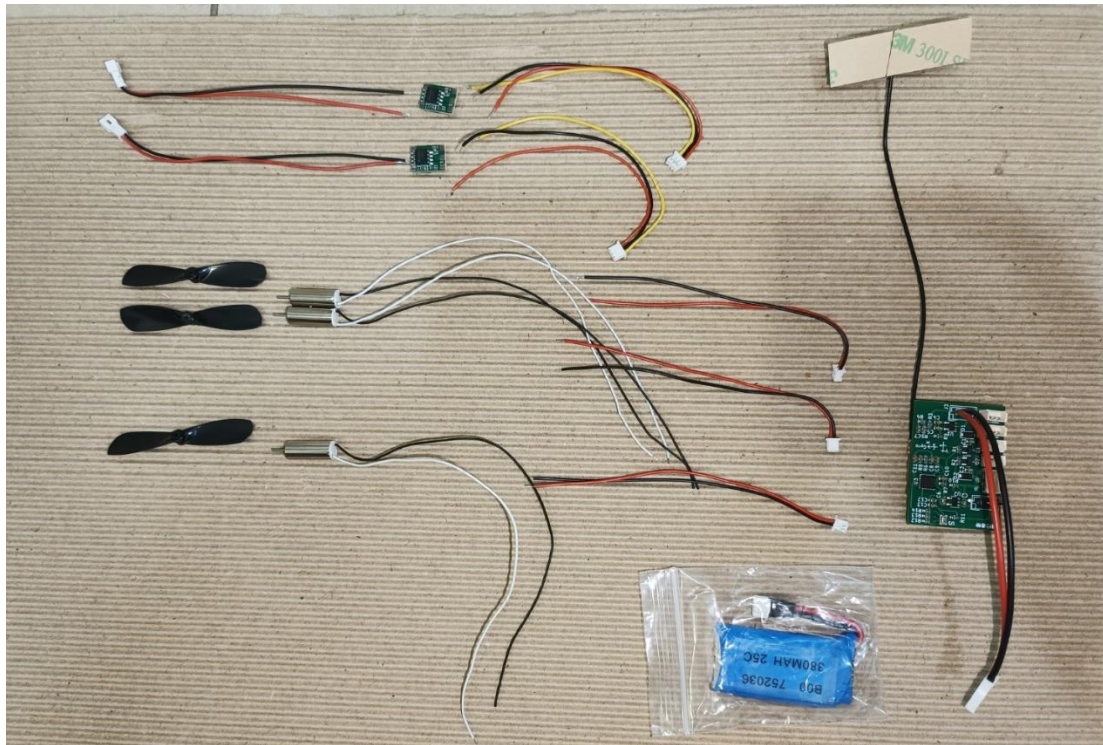


Figure 3 electronics of hovercraft

Figure 3 shows the electronics of hovercraft. They include motor and propeller of lift fan, motors and propellers for thrust propeller, ESC for thrust propeller, Li-Gyro flight controller, and Lipo battery.

## II. Assembly

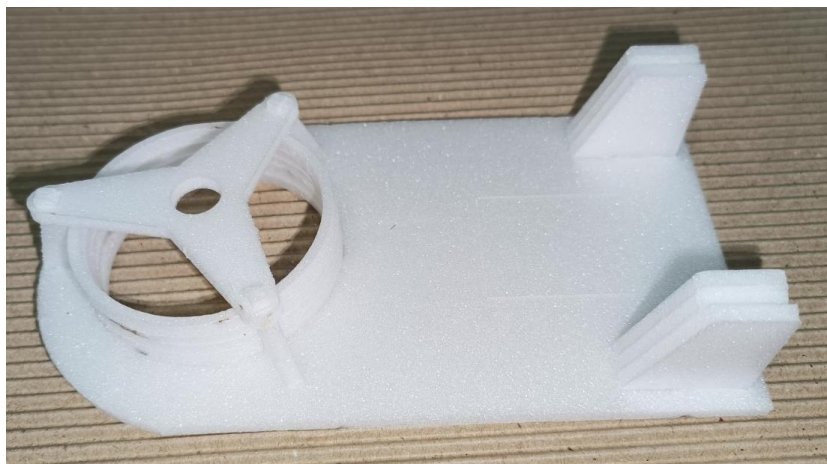


Figure 4 hovercraft cabin

According to Figure 4, assemble the materials in Figure 1 to get hovercraft cabin.



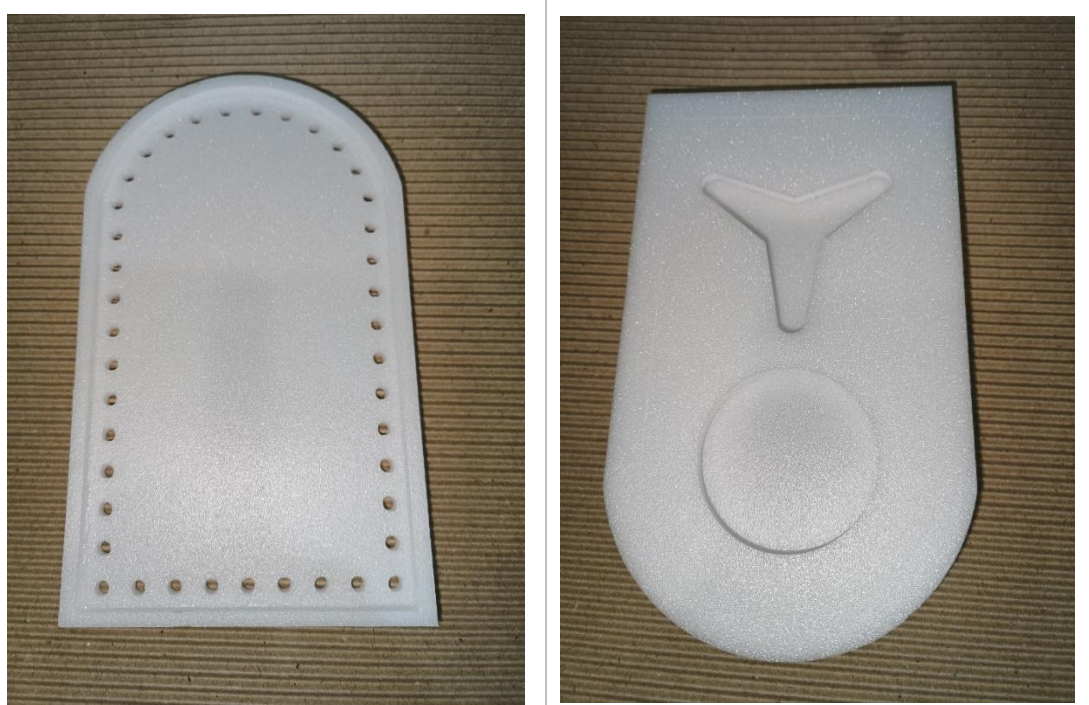


Figure 5 hovercraft skirt

According to Figure 5, assemble the materials in Figure 2 to get hovercraft skirt.

### III. Electronics

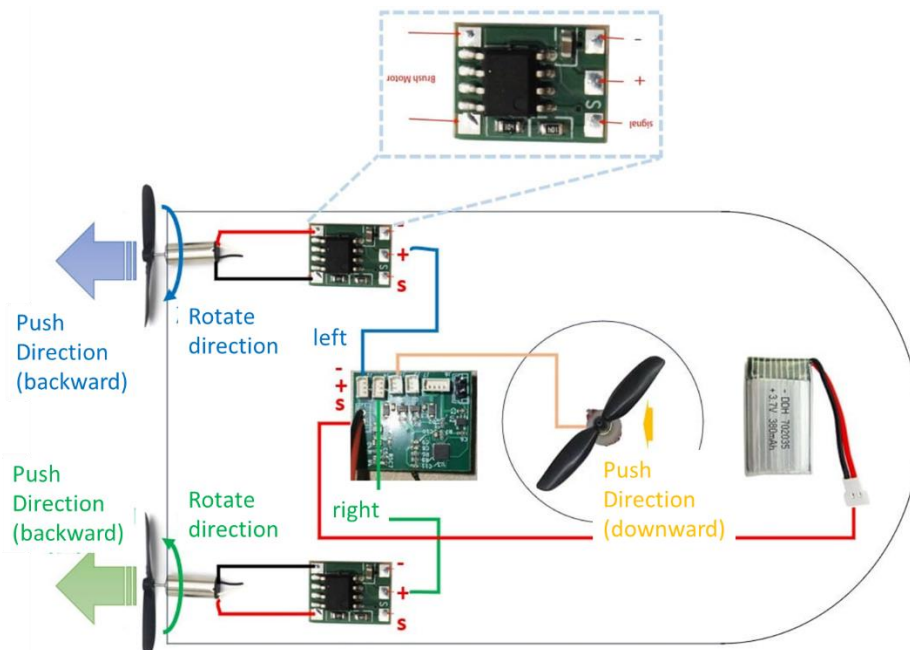


Figure 6 schematics for hovercraft

Figure 6 shows the schematics of hovercraft. The usage of ESC is to allow thrust propeller to rotate in both clockwise and counter-clockwise directions.

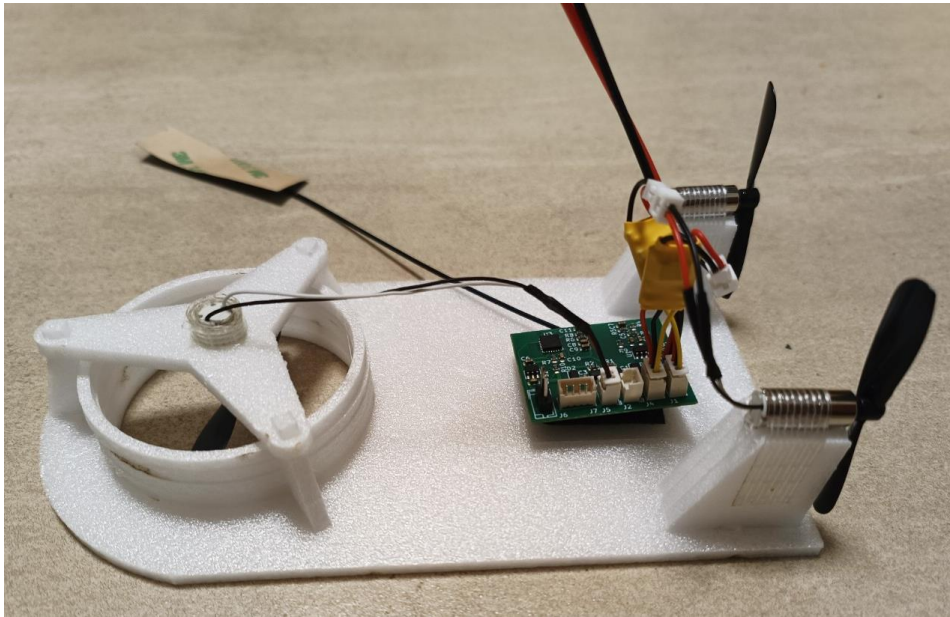


Figure 7 Completion of hovercraft electronics

To assemble the materials in Figure 3 and install on Figure 4, we obtain the work in Figure 7.

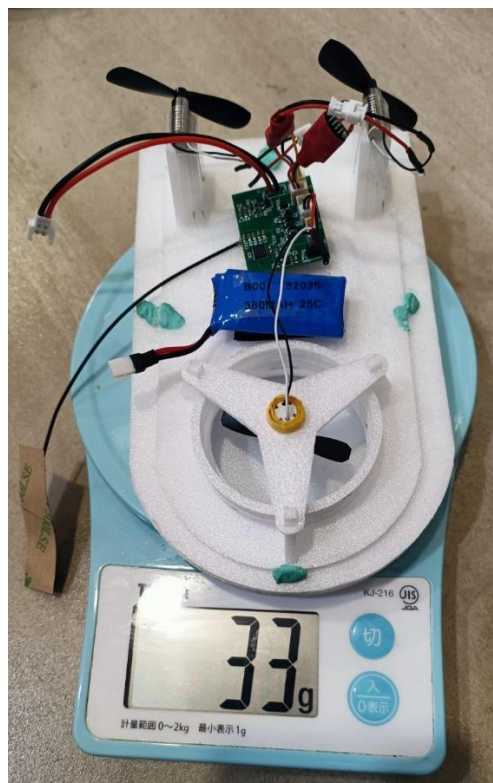


Figure 8 final work of hovercraft

Finally, attaching it on hovercraft skirt, we complete the assembly of hovercraft, as shown in Figure 8.