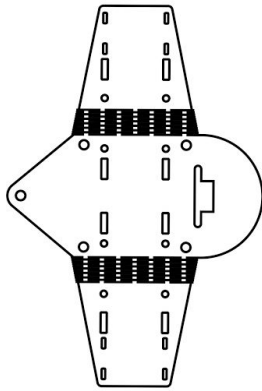
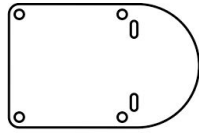


Head Segment Assembly

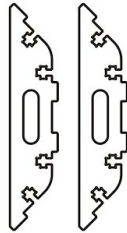
Items required:



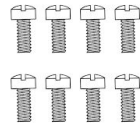
Acrylic Head Segment



Acrylic Head Top



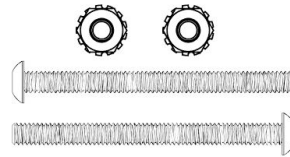
2 Acrylic Segment Supports



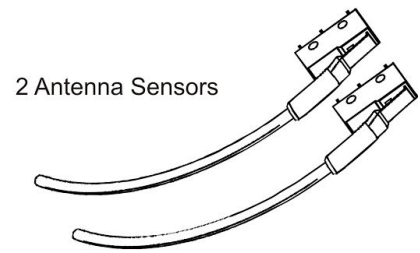
8 Small Fillister Head Screws & 8 Small nuts



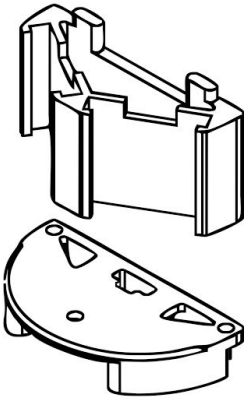
3 Small Self-Tapping Screws



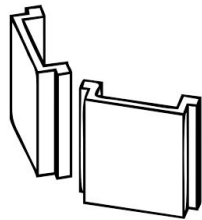
2 2" Screws & 2 Keps Nut



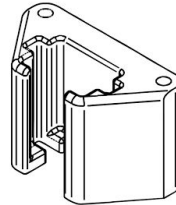
2 Antenna Sensors



3D Printed Sensor Holder (2 pieces)



3D Printed Sensor Blanks (2 pieces)

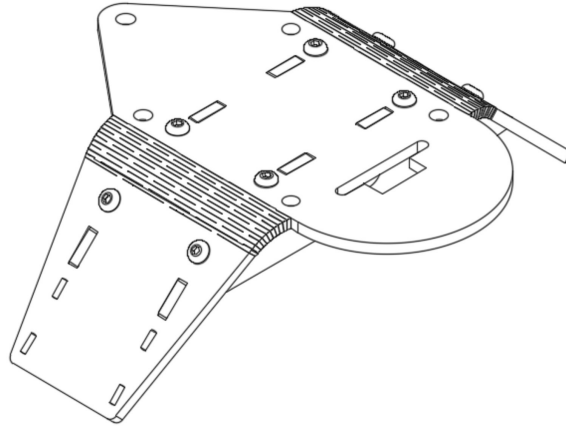


3D printed 9v Holder

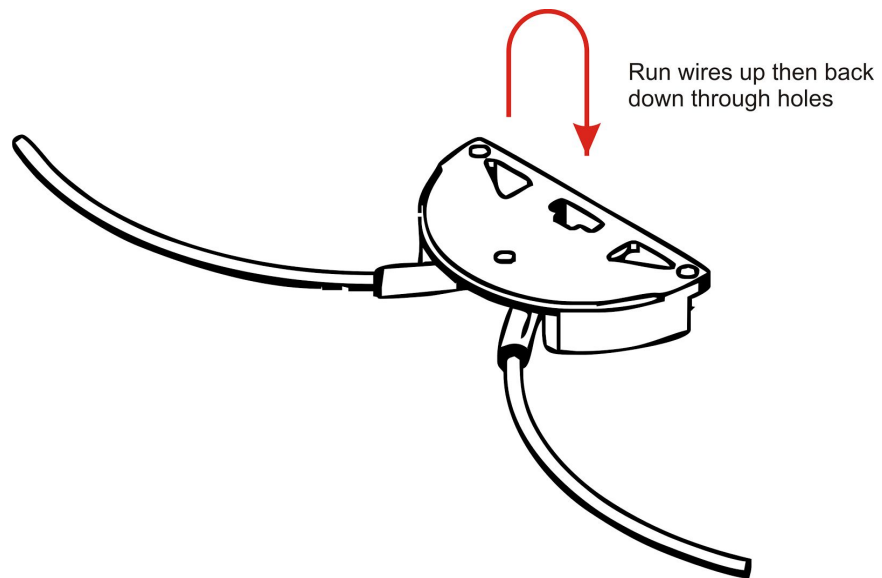
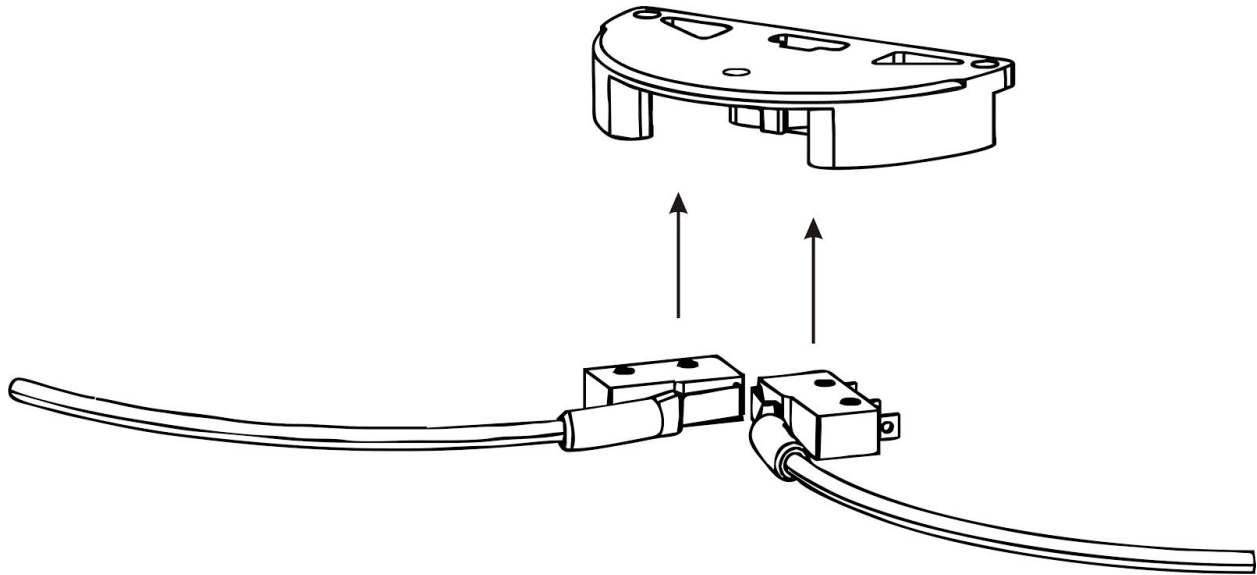


Small Phillips Head Screwdriver

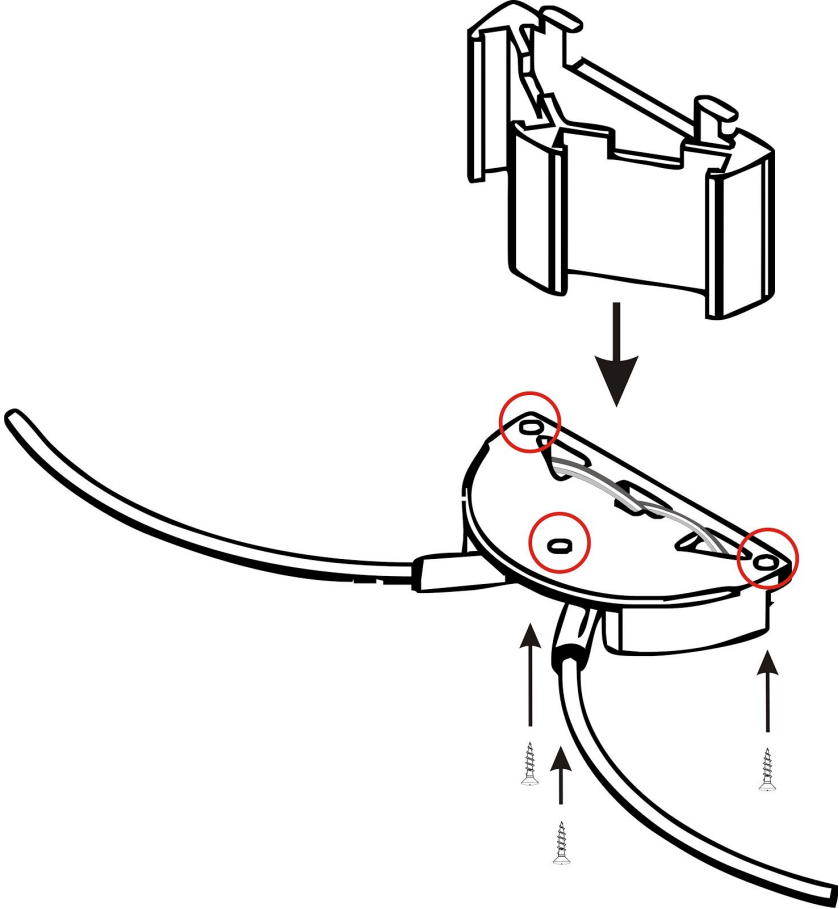
Step 1: Remove paper from all acrylic as described in Segment Assembly section. Using the flat acrylic head segment, segment supports, small screws and nuts, assemble segment base as described in the Segment Assembly section.



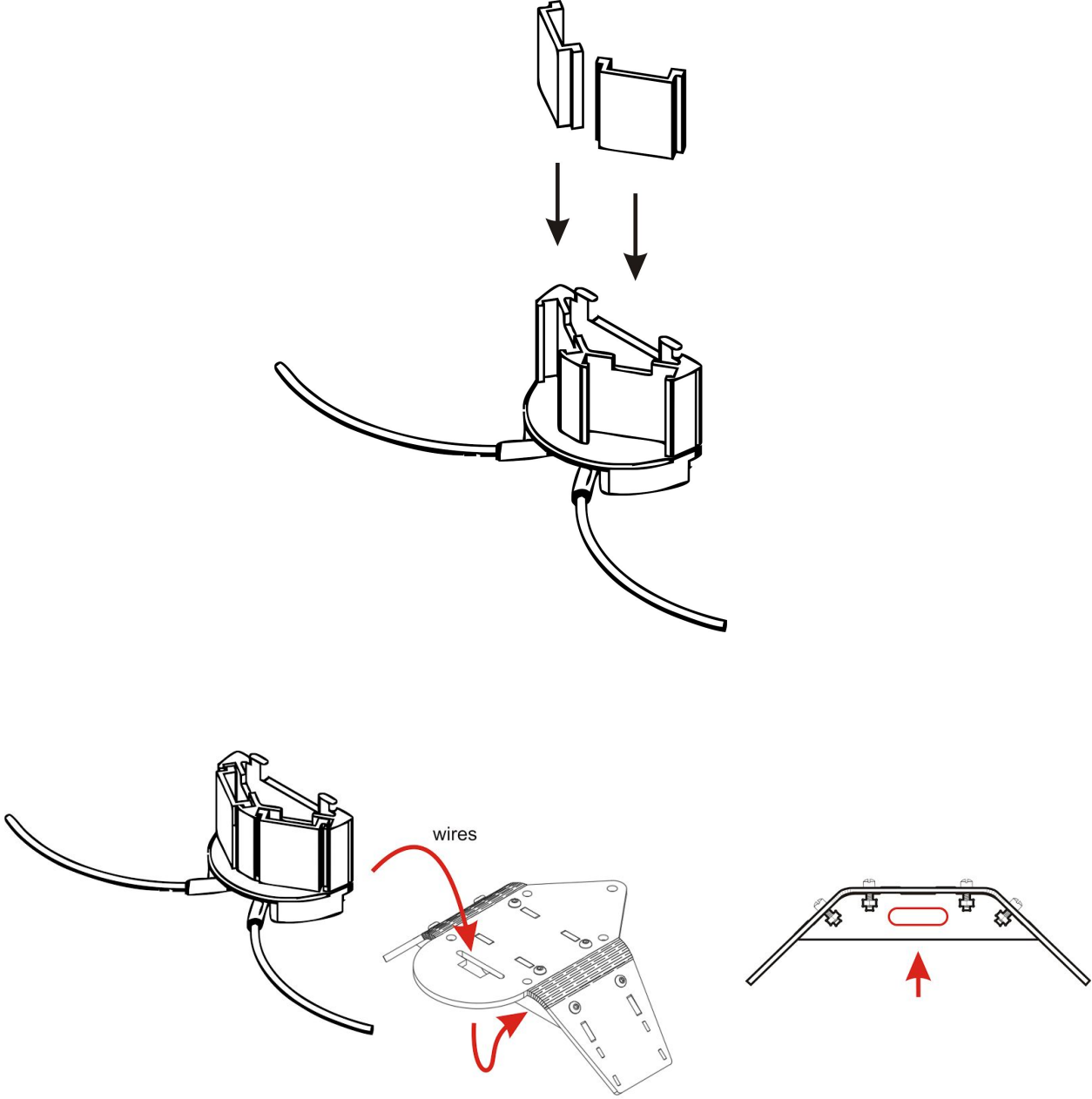
Step 2: Install the antenna sensors (there are wires attached - shown here without wires). Press sensors in the bottom piece of the 3D printed sensor holder. They should fit snugly. Run the wires up and then back down through the holes as shown.



Step 3: Attach the two 3D printed sensor holder pieces by aligning the top piece with the bottom piece and running the 3 self-tapping screws up through the holes.



Step 4: Slide the two sensor blanks into the sensor mount as shown. Then run the wires from the antenna sensors down through the hole of the assembled acrylic segment and through the holes of the segment supports.



Step 5: Place the 9v holder on top of the assembled head segment and then place the head top on the sensor mount and the 9v holder aligning all tabs. Run the 2" screws through the head top, the 9v holder and the head segment. Use the Keps nuts to secure all pieces together.

