Patton Robotics ESRA®II Shoulder and Base Kit

Expressive System for Robotic Animation

Assembly and Operation Instructions

Version 1.0

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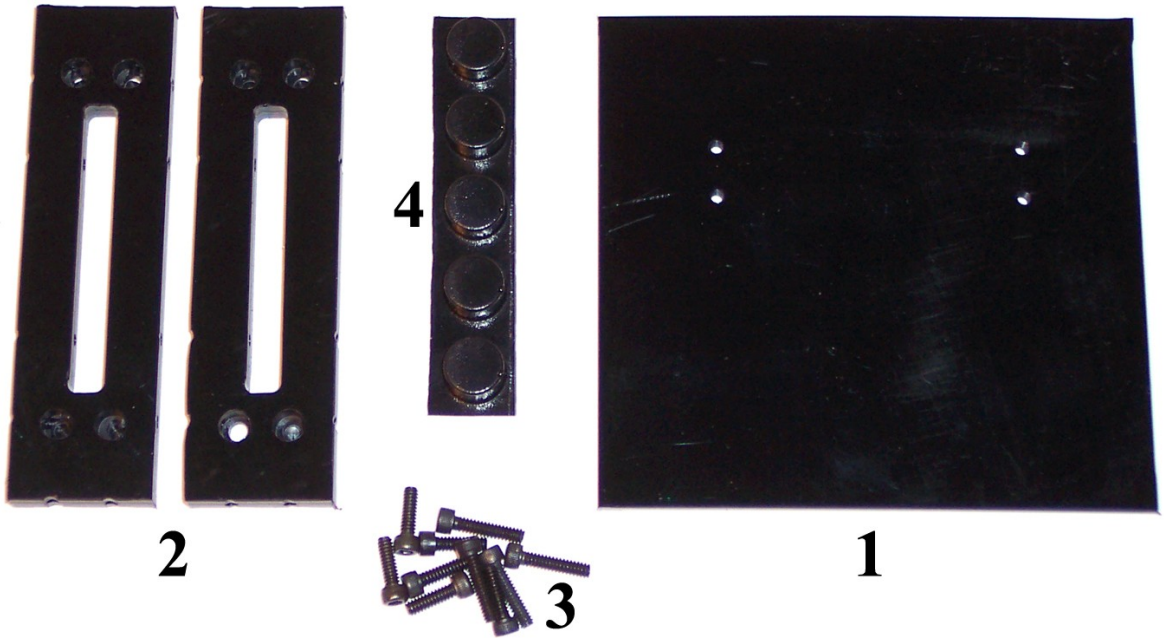
ESRA II Shoulder and Base kit contents:



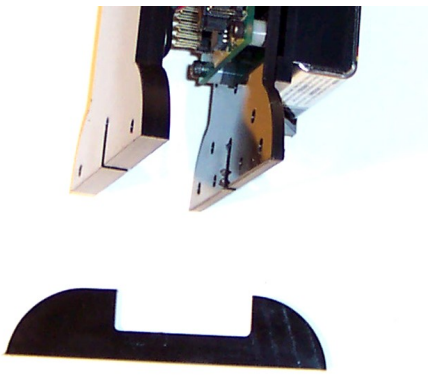
1	**Base Plate**	**3**	**Misc. Screws**
2	**Shoulder Plates**	**4**	**Self Adhesive Feet**

Assembly Instructions

Be sure to look up the proper part for each step.

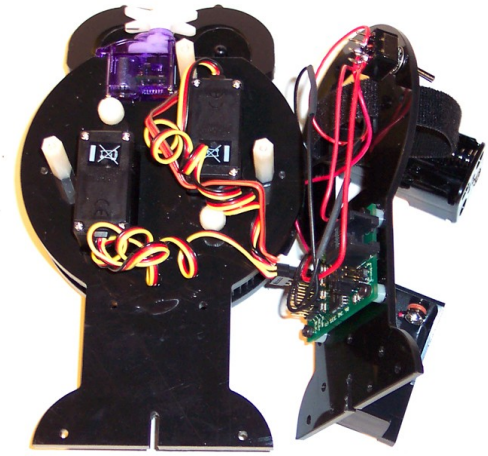
Some basic tool and supplies are required for assembly, including:

-Needle Nose Pliers
-Allen Wrenches



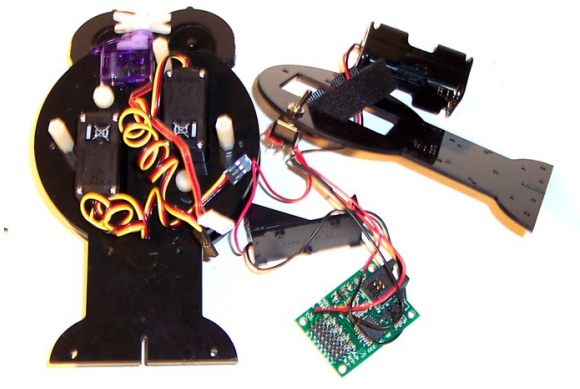
Remove the Cross Plate from your ESRA II.

Figure 1



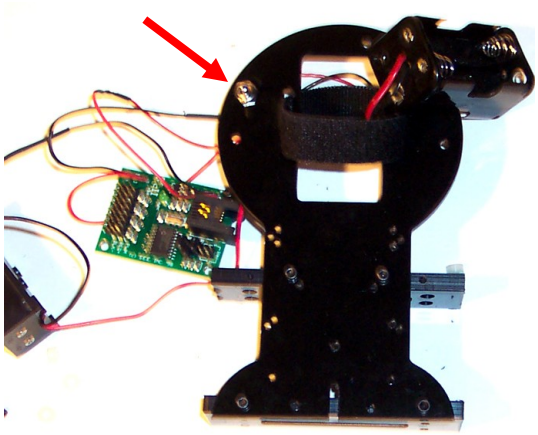
Unscrew the Back Plate from the Standoffs and set the Back Plate assembly aside.

Figure 2



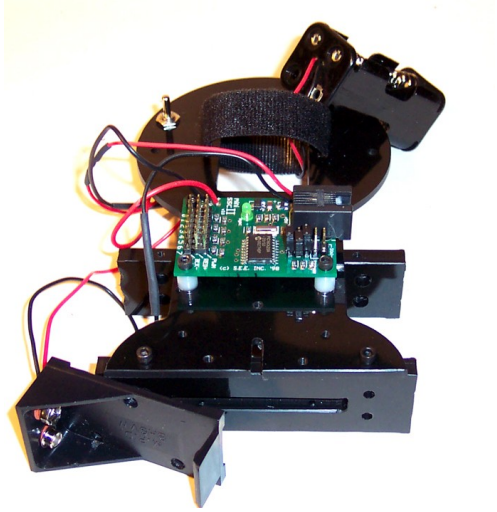
Remove the screws holding the circuit board and Battery Pack to the Base Plate.

Figure 3



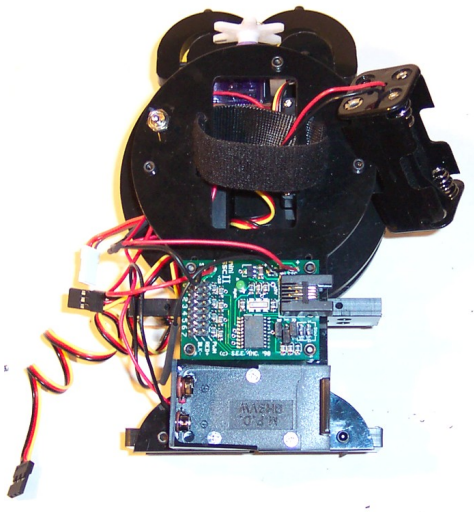
Attach the two Shoulder Plates(2) to the Back Plate with 4 of the shorter included Screws(3). Be sure to keep your Back Plate oriented to match up with your Servo Plate. See arrow for reference.

Figure 4



Attach the circuit board with ¼ inch spacers. Be sure that the bottom of the circuit board does not touch the screws holding the Shoulder Plates(2)

Figure 5



Reattach your Battery Pack to the Back Plate.

Figure 6

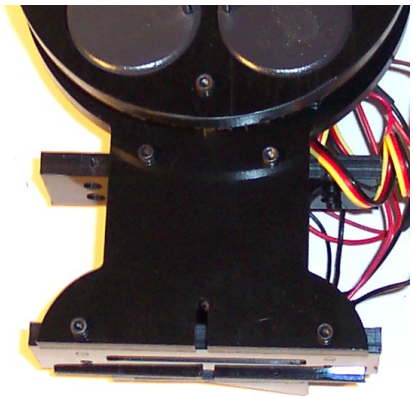


Figure 7

Using the longer included Screws(3), attach the Shoulder Plates(2) to the Servo Plate.

Figure 8

Attach the bottom Shoulder Plate(2) to the Base Plate(1). Apply Self Adhesive Feet(4) to the bottom of the Base Plate(1).

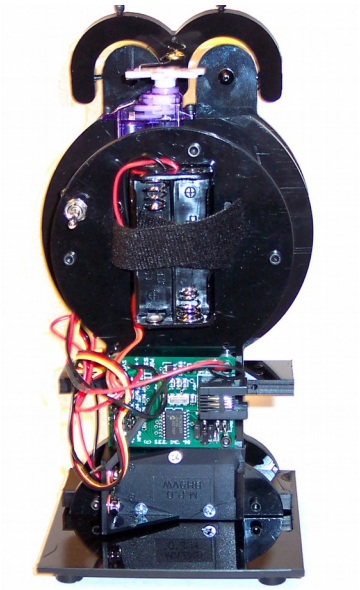


Figure 9

Rear view of the assembled ESRA II with Shoulders.

Enjoy!