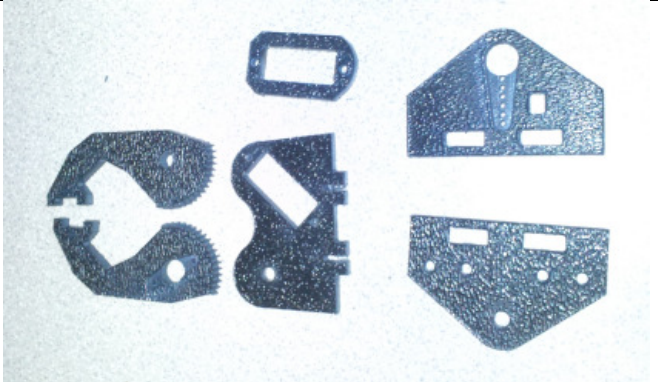





Servo Gripper Mini Assembly Instructions







Parts List:


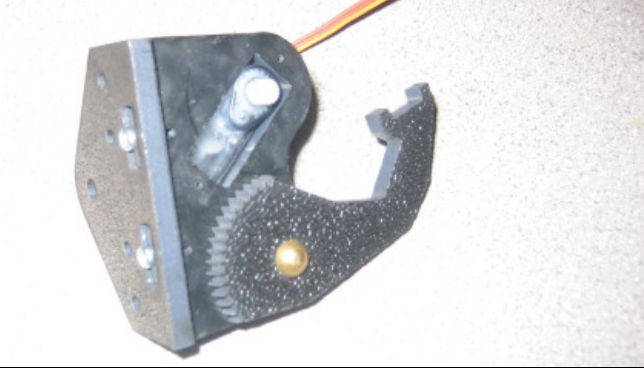
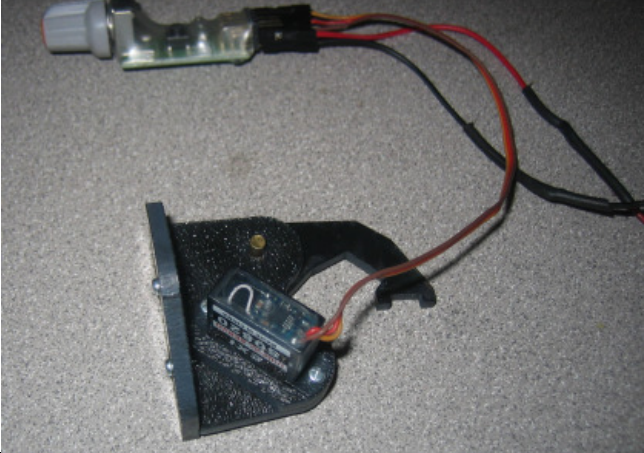
| Item # | Item | Qty | Image |
|--------|--------------------------------------|-----|---|
| 1 | Motor Mount Plate | 1 |  |
| 2 | Back Plate A | 1 | |
| 3 | Back Plate B (for TROBOT 3 mounting) | 1 | |
| 4 | Left Arm (Servo drive) | 1 | |
| 5 | Right Arm | 1 | |
| 6 | Motor Spacer | 1 | |
| 7 | Servo | 1 |  |
| 8 | Brass Pivot Pin | 1 |  |
| 9 | #2 x 1/4" | 2 |  |
| 10 | #1 x 1/4" | 2 | |
| 11 | #0 x 1/8" | 2 | |

Recommended tools:

- Small Phillips Screw Driver(s)
- File set
- Channel Locks / Pliers / Vise

Assembly Instructions:

| | | |
|---|---|--|
| 1 | <p>For smooth action and fit, use a round file to clean/break sharp corner edges on laser cut parts.</p> |  |
| 2 | <p>Choose a back plate: One is designed with the servo horn pattern cutout for mounting on a TROBOT 3. The other includes general mounting holes.</p> |  |
| 3 | <p>Use two #2 x 1/4" screws to secure the motor mount to the back plate. Alternatively the joints may be bonded with an ABS cement.</p> |  |
| 4 | <p>Attach Servo-Horn to Drive Arm with Qty 2 #0 x 1/8" Screws</p> |  |
| 5 | <p>Place the brass Pivot pin through the idler arm.</p> |  |
| 6 | <p>Use Pliers / Channel Locks / Small vise to press pin into place.</p> |  |

| | | |
|----|--|--|
| 7 | <p>Press Brass Pivot pin into bottom of Motor Mount Base Plate.</p> <p>Note: Manually move the arm back and forth to help “wear-in” the arm.</p> |  |
| 8 | <p>Put the top of the servo motor through the motor spacer and put onto motor mount plate. Use Qty 2 #1 x 1/4" screws to attach</p> |  |
| 9 | <p>Power up the servo and attach the drive arm such that servo can open/close both arms fully.</p> <p>Note: It may take some trial/testing to find the correct spines to line up the servo horn.</p> |  |
| 10 | <p>Tighten (do not over tighten) the servo Horn screw.</p> <p>Run the servo Gripper for a few minutes to properly “wear-in” the gripper.</p> <p>Your Servo Gripper Mini is now complete!</p> |  |