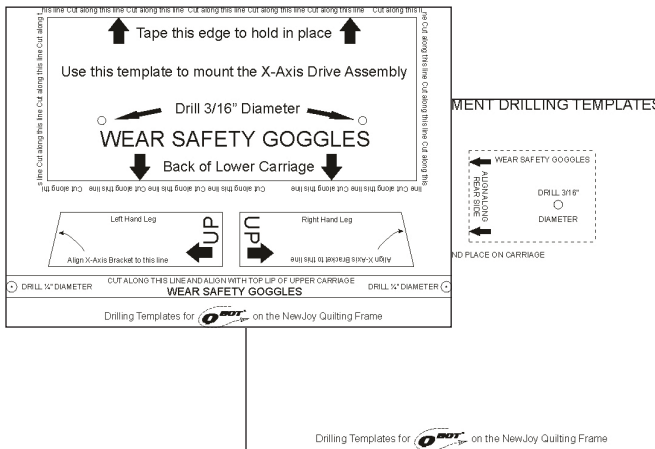


INSTALLING THE DRIVE SYSTEM



In addition to the hardware kit that you received with the QBOT, you will need the hardware in this kit to complete the installation on your frame. The hardware kit for the NewJoy frame includes:

- (5) 1/4" X 1" Long Screw
- (5) 1/4" Nut
- (4) #8 X1" Long Screw
- (6) #8 Nut



The first step to installing the QBOT on the NewJoy quilting frame is to drill holes in the upper and lower carriages. First, cut out the templates on pages 7 and 8 of these instructions.



Place the X-Axis drilling template on the lower carriage as shown and secure with tape. Drill two 3/16" diameter holes as shown on the template. Remember to wear safety goggles when drilling these holes.

INSTALLING THE DRIVE SYSTEM

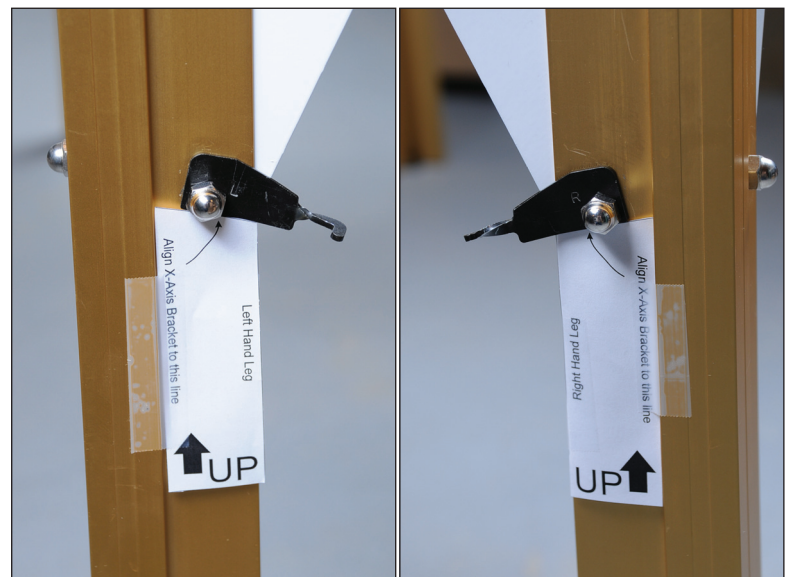
Using two 1/4" screws and nuts, mount the drive axis bracket from this kit to the drive bracket as shown in the photo to the right.



Install the X-Axis bracket adapter on the underside of the lower carriage of the NewJoy frame. Use (2) #8 X 1" screws as shown in the picture to the right. Note the orientation of the bracket. For proper carriage movement after assembly, it is important to have the bracket attached as shown. Place the screws into the holes in the lower carriage. Place the bracket with the drive assembly installed in the previous step onto the screws. Attach the #8 nuts to the screws. Tighten.



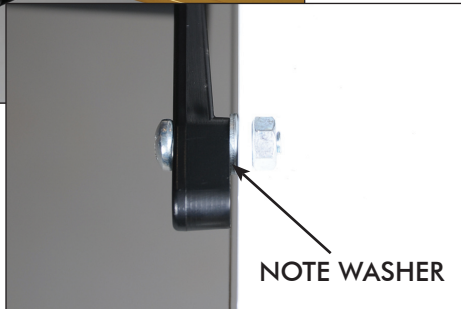
Next, install the X-Axis wire holders to the rear outer frame legs as shown in the pictures to the right. Temporarily remove the acorn-style nut and place the X-Axis wire holders using the alignment templates from page 7 of these instructions. The orientation of the X-Axis wire holders should match the angle of the templates. Secure with the acorn-style nuts.



INSTALLING THE DRIVE SYSTEM



Next, use the other drilling template from page 7 of these instructions to drill two 1/4" holes in the upper carriage of your frame. Align the template as shown in the photo to the left and drill the holes. Remember to wear safety goggles when drilling the holes.



Mount the drive assembly to the upper carriage using two 1/4" screws and nuts. Use one 1/4" washer from your QBOT hardware kit on the slotted end of the drive assembly as shown in the photo to the left.



Using the drilling templates for the Y-Axis wire holders from page 8 of these instructions as a guide, drill two 3/16" diameter holes in the lower carriage as shown in the photos to the left.

INSTALLING THE DRIVE SYSTEM

Install two #8 screws into the holes and secure with nuts.

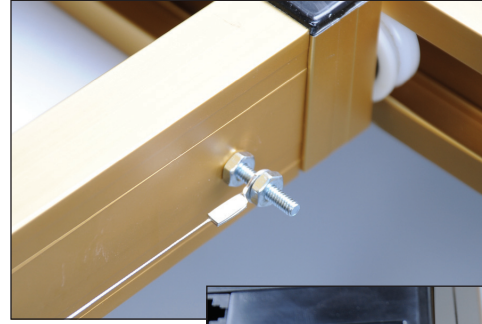
Next, Install the Y-Axis drive wire by placing the eyelet onto the forward screw and, while holding the wire taut, wrap around the drive wheel twice (2X). The wire should wrap over the top of the drive wheel, not the bottom. This step requires some patience. Be careful to not kink the drive wire.

Place the rounded end of the tensioner that came with your QBOT hardware kit through the other eyelet. Place the other end of the tensioner onto the screw and apply tension to the drive wire by turning the barrel of the tensioner. Use the tensioning templates from the back of your QBOT manual to adjust to the correct tension.

Secure both ends of the drive wire with nuts as shown in the photo to the right.

When complete, the Y-Axis drive assembly installation should look like the photo to the right.

INSTALLING THE DRIVE SYSTEM



INSTALLING THE DRIVE SYSTEM

INSTALLING THE DRIVE SYSTEM



The final step of the drive system assembly is installing the X-Axis drive wire. If your frame is set up at the 5 foot length, use the blue-wrapped wire from your QBOT wire pack. If your frame is set up at the 10 foot length, use the red-wrapped wire.

If you are installing on a 5 foot frame, gently bend the X-Axis brackets as shown to the picture to the left.



Slide the eyelet of one end of the drive wire over the X-Axis wire holder and while keeping the wire taut, wrap over the X-Axis drive wheel the following number of times:

- 5 foot frame - twice (2X)
- 10 foot frame - thrice (3X)

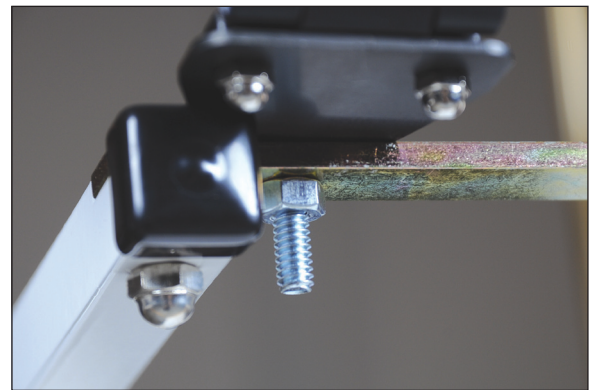
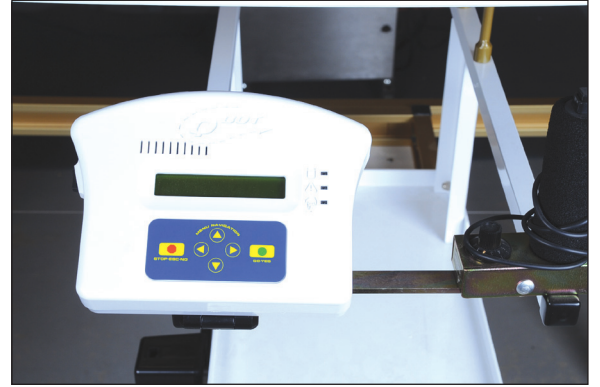
Note that the drive wire comes off the bottom of the drive wheel.



Connect the eyelet at the other end of the drive wire to one end of the tensioner. Connect the other end of the tensioner to the X-Axis bracket at the opposite side of the quilting frame. Use the tensioning template from the back of the QBOT manual as a guide to adjust the tension in the wire.

Mount the QBOT unit to the handle bar on the upper carriage. Use a 1/4" screw and nut provided - tighten.


To finish the installation, follow the remainder of the instructions in your QBOT manual on pages 15 -20.




Cut along this line Cut along this line Cut along this line Cut along this line

↑ Tape this edge to hold in place ↑

Use this template to mount the X-Axis Drive Assembly


Drill 3/16" Diameter 


WEAR SAFETY GOGGLES

Back of Lower Carriage 


Cut along this line Cut along this line Cut along this line Cut along this line


Right Hand Leg

UP 

Align X-Axis Bracket to this line 

Left Hand Leg

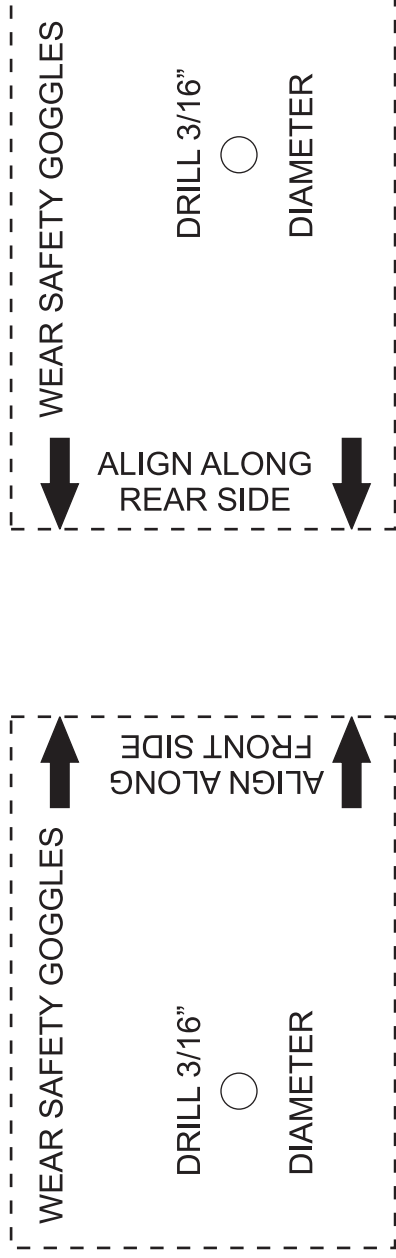
DOWN 

Align X-Axis Bracket to this line 

• DRILL 1/4" DIAMETER CUT ALONG THIS LINE AND ALIGN WITH TOP LIP OF UPPER CARRIAGE WEAR SAFETY GOGGLES DRILL 1/4" DIAMETER •

Drilling Templates for  on the NewJoy Quilting Frame

Y-AXIS DRIVE WIRE ATTACHMENT DRILLING TEMPLATES



CUT ALONG DASHED LINES AND PLACE ON CARRIAGE