

# 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 Hailey frame includes:

- (1) Special Drive Attachment Bracket
- (2) 1/4-20 X 1" screw
- (4) 1/4-20 nut
- (2) 6mm X 5/8" screw
- (2) 6mm nut
- (6) 1/4" aluminum spacer
- (2) 1/4-20 X 2 1/2" screw
- (2) 1 1/4" long spacer
- (4) 6mm X 1" screw
- (2) Special X-axis wire holder
- (2) Special Y-axis wire holder
- (1) Drive wire set



Figure 1.

Using (2) 1/4" X 1" long screws and (2) nuts provided, attach a drive assembly to the special attachment bracket as shown in Figure 1.

Using the template provided on the last page of these instructions, drill (2) 1/4" Diameter holes in the back of the lower carriage as shown in Figure 2.

Next, using (2) 6mm X 5/8" screws, (2) aluminum spacers, and (2) metric nuts provided, attach the special bracket to the lower carriage as shown in Figure 3.



Figure 2.

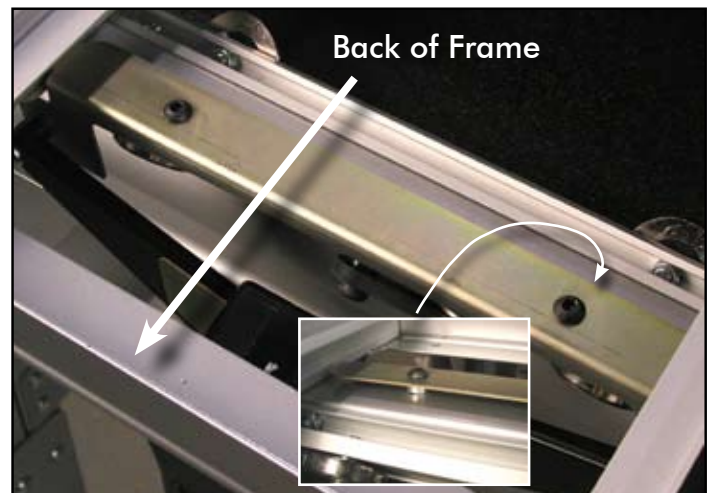


Figure 3.

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Next, using the other template on the last page of these instructions, drill (2)  $\frac{1}{4}$ " diameter holes in the left side of the upper carriage as shown in Figure 4.



FIGURE 4.

Mount the other drive assembly to the upper carriage using (2)  $\frac{1}{4}$ " X  $2\frac{1}{2}$ " long screws, (2)  $1\frac{1}{4}$ " long spacers, and (2) nuts as shown in Figure 5.

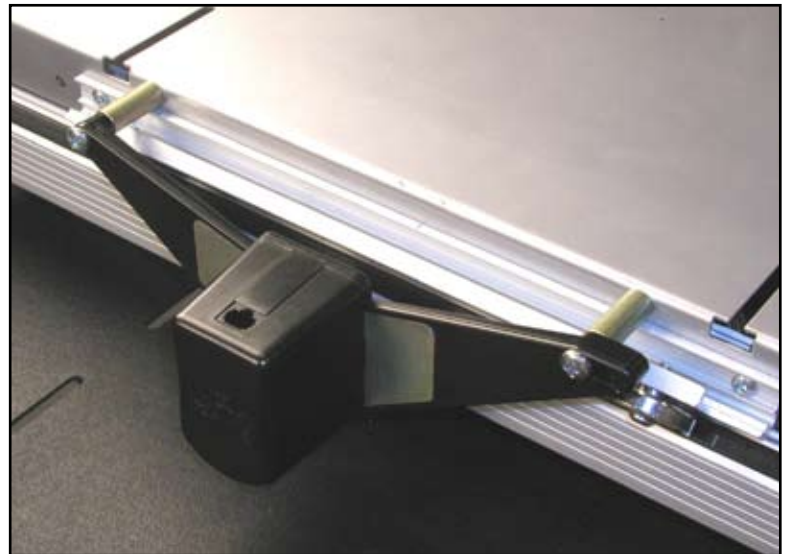


FIGURE 5.

Attach the special Y-Axis wire holders from the installation kit to the bottom of the left-hand side of the lower carriage as shown in Figures 6 and 7. Please use the 6mm X 1" long replacement screws from the hardware kit. Discard the original screws.

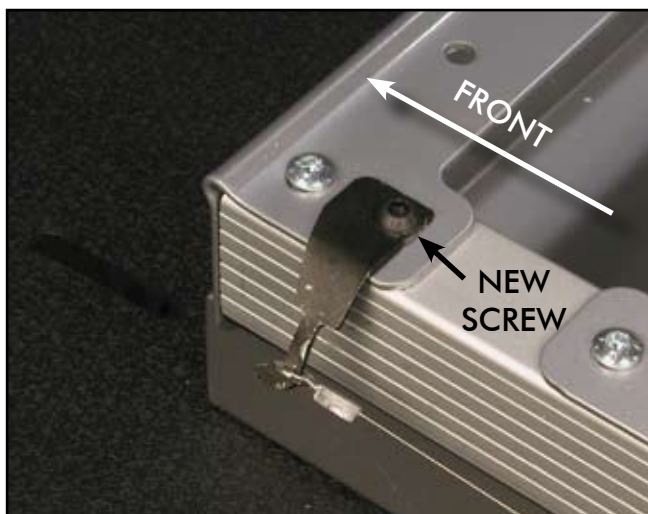


FIGURE 6.

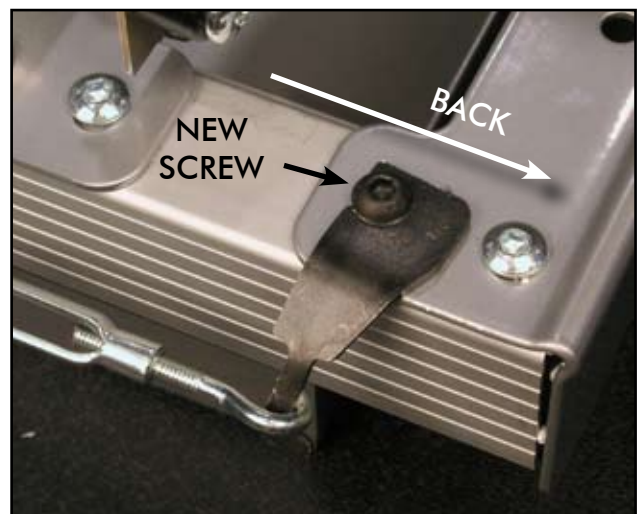


FIGURE 7.

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FIGURE 8.



FIGURE 9.

Using (2) 6mm X 1" long screws and (4) aluminum spacers, mount the special X-Axis wire holders on the rear rail of the quilting frame as shown in Figures 8 and 9.

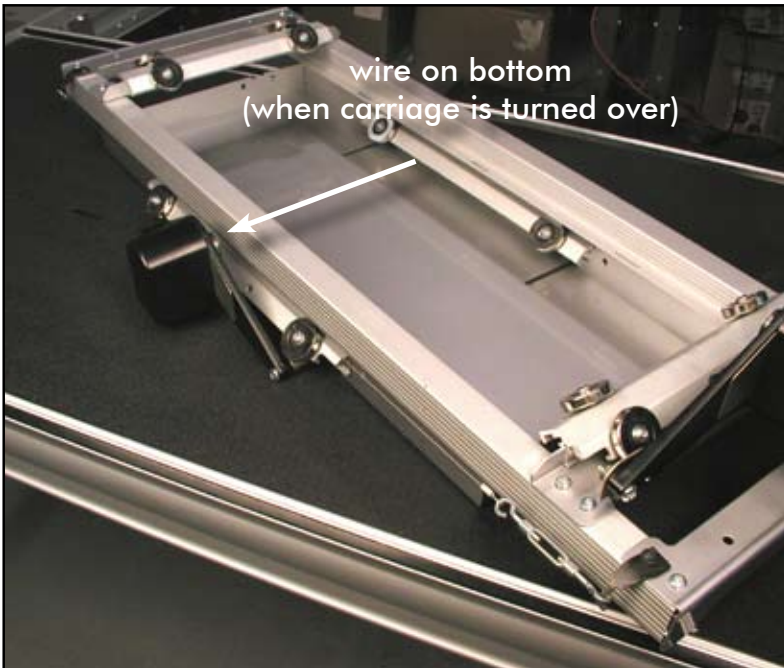


FIGURE 10.

Place the upper carriage on top of the lower carriage and flip the assembly over as shown in Figure 10. The Y-Axis drive wire is installed by hooking one end of the wire to the front wire bracket (Figure 6) and winding twice (2X) around the drive wheel. Looking at Figure 10, note how the drive wire is wrapped around the wheel so that it is on the bottom side of the drive wheel. Wrapping the wire the wrong way (off the top side) will cause the carriage to go backwards.

Hook the eyelet at the other end of the wire on one side of the tensioner as shown in Figure 7. Hook the other end to the bracket as shown and tighten the tensioner by rotating the tensioner barrel until the tension in the wire falls in the proper range shown on the tensioning template. Do not twist the ends of the tensioner to tighten the wire; this will twist the wire and cause early failure. See page 5 of the User Manual for reference.

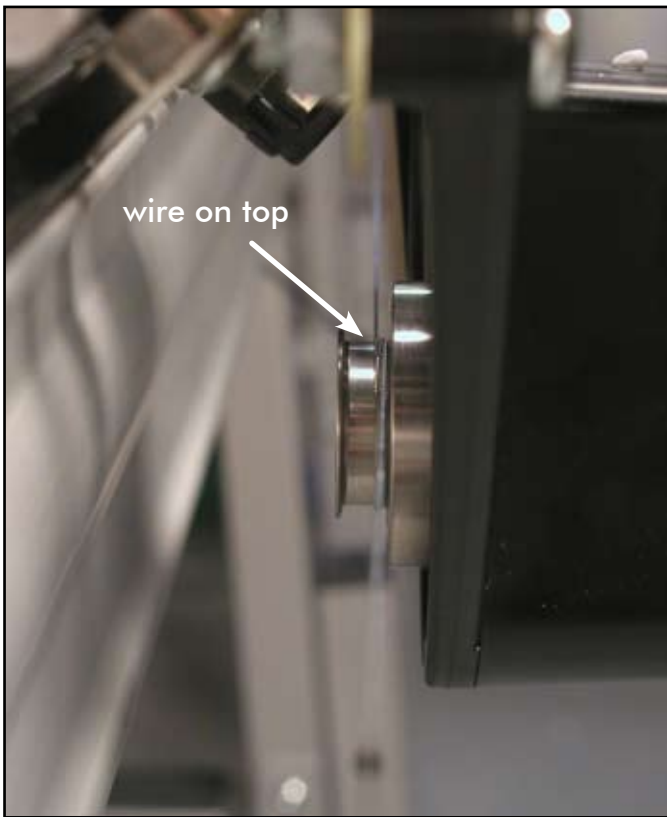


FIGURE 11.

Carefully turn the carriage assembly over and place on the frame. The X-Axis drive wire is installed by hooking one end of the wire to one of the wire brackets shown in Figure 8 and winding twice (2X) around the drive wheel. Looking at Figure 11, note how the drive wire is wrapped around the wheel so that it is on the top side of the drive wheel. Wrapping the wire the wrong way (off the bottom side) will cause the carriage to go backwards.

Hook the eyelet at the other end of the wire on one side of the tensioner as shown in Figure 9. Hook the other end to the bracket as shown and tighten the tensioner by rotating the tensioner barrel until the tension in the wire falls in the proper range shown on the tensioning template. Do not twist the ends of the tensioner to tighten the wire; this will twist the wire and cause early failure. See page 5 of the User Manual for reference.

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