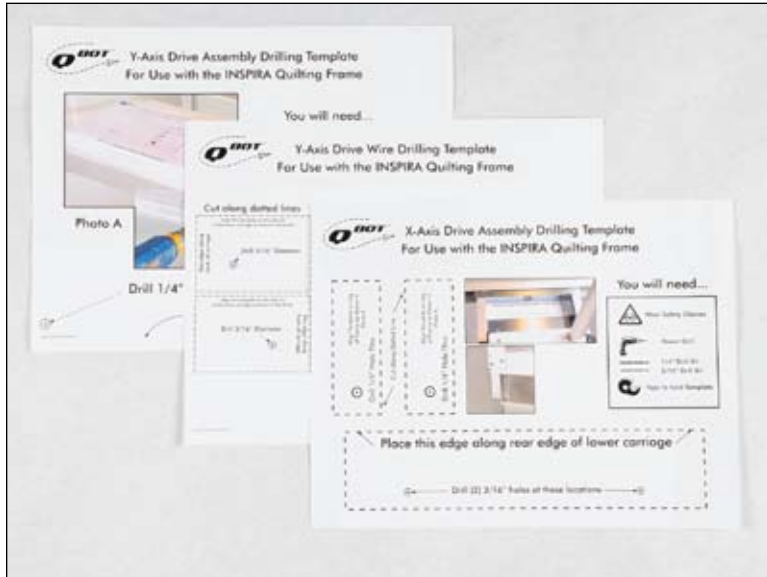
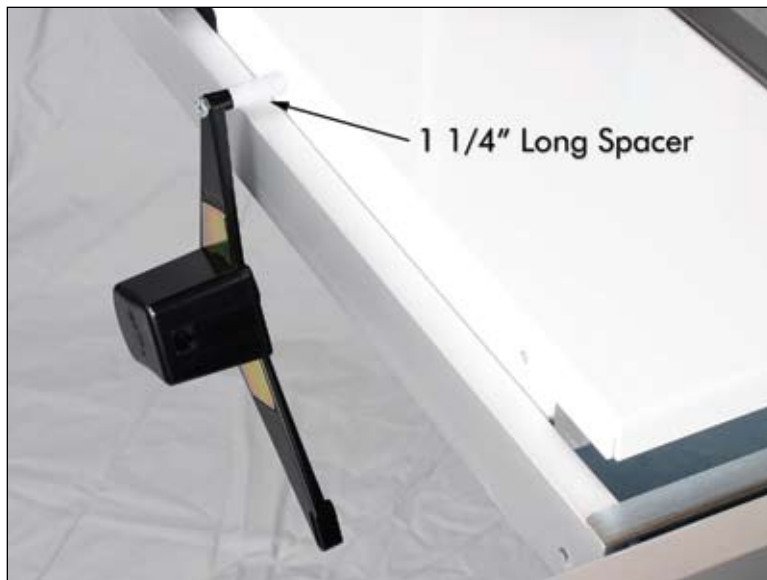


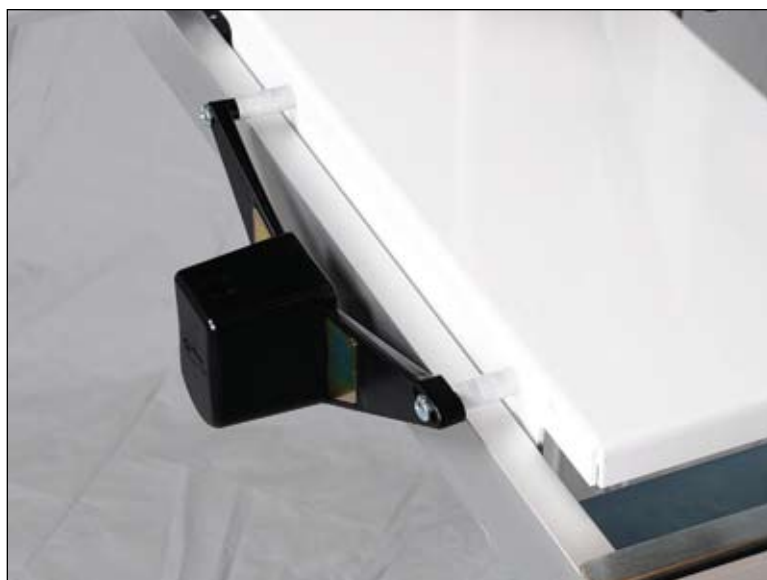
# INSTALLING THE DRIVE SYSTEM



The first step to installing the QBOT on the Inspira quilting frame is to drill holes in the upper and lower carriages and in the outer legs of the quilting frame. Follow the instructions and use the templates provided on pages 33 through 37 to drill these attachment holes.



Once you have all the holes drilled, you are ready to install the Y-Axis drive assembly. Take one 2 1/2" screw from your hardware kit and place it through the attachment hole in the drive assembly. Next, slide on one 1 1/4" spacer. Place the screw through the rear hole in the upper carriage. Assemble one of the 1/4" nuts to the screw. Do not fully tighten yet.



Take the other 2 1/2" screw from the hardware kit and place it in the slot on the drive assembly. Slide on the other 1 1/4" spacer. Place the screw through the other hole in the upper carriage and assemble a 1/4" nut to the screw. Tighten both screws snugly. Overtightening will damage the drive assembly.

# INSTALLING THE DRIVE SYSTEM

# INSTALLING THE DRIVE SYSTEM

You are now ready to install the Y-Axis drive wire. You will want to have the following items handy before performing the following steps: (2) #8 X 1" screws, (4) #8 nuts, (1) 24" drive wire, (1) tensioner.



INSPIRA

Place the two #8 screws through the holes in the side of the lower carriage as shown. Secure them to the carriage with two of the #8 nuts.



Place the eyelet on one end of the drive wire on the forward screw as shown in the picture to the right. Next, assemble an #8 nut onto the screw. This will keep the end of the drive wire from accidentally coming off the screw.



## INSTALLING THE DRIVE SYSTEM



Next, wrap the drive wire around the spool on the drive assembly **TWICE**. When you wrap the wire around the spool be sure that the wire starts at the top of the spool and exits from the top of the spool. If you wrap the wire backwards, the wire will not look straight when viewed from the side - it will look like a 'V'.



While holding tension on the wire, slide the other eyelet onto the right side of the tensioner. While still holding tension on the wire, slide the left hand side of the tensioner over the screw as shown in the picture to the left. Tighten the wire by turning the center of the tensioner. Once there is some tension in the wire, place the other #8 nut to the screw as shown in the picture to the left.



Move the upper carriage all the way forward. Use the tensioning template as your guide for tightness. The wire should move approximately 1/8 to 1/4 inch as you push on it. Do not overtighten the tensioner.

The upper drive assembly is now installed!

## INSTALLING THE DRIVE SYSTEM

# INSTALLING THE DRIVE SYSTEM

You are ready to install the lower assembly. You will need the following within reach when you begin this installation:

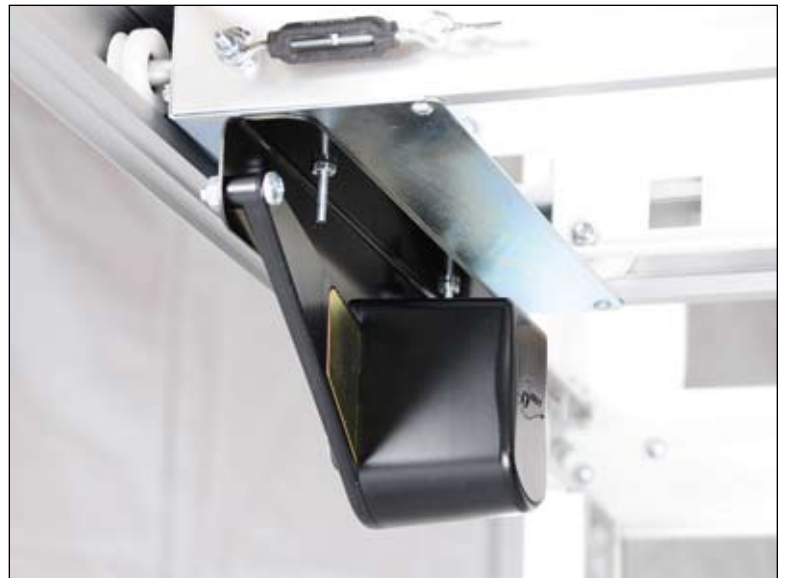
(2) X-Axis wire holders, (1) 60" drive wire or (1) 120" drive wire depending on your frame length, (2) 1/4" X 1" screws, (2) 1/4" nuts, (2) #8 X 1" screws, (2) #8 nuts, (1) tensioner, (1) tensioning template, and (1) X-Axis bracket adapter from the Inspira bracket kit.



Using two 1/4" X 1" screws and two 1/4" nuts, attach the drive assembly to the X-axis bracket adapter for the Inspira frame as shown in the picture to the right. For proper fit to the frame, the drive assembly must be attached as shown.



Install the X-Axis bracket adapter on the underside of the lower carriage of the Inspira 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.



## INSTALLING THE DRIVE SYSTEM

# INSTALLING THE DRIVE SYSTEM

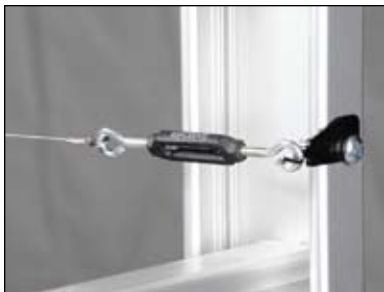


Next, install the X-Axis wire holders to the rear outer frame legs as shown in the pictures to the left. Remember, these holes were drilled into the frame using the drilling templates from the Inspira hardware pack. One wire holder is marked 'L' and one is marked 'R'. If you are standing at the front of the quilting frame, the one marked 'L' will be on the rear left-hand leg and the one marked 'R' will be on the rear right-hand leg.



Standing behind the frame, attach one end of the drive wire to the drive wire holder marked with an 'L'. The bracket with the 'L' will be on your right. While keeping tension on the wire, wrap the wire around the drive assembly spool counter-clockwise:

**2 times** if you are setting up at 5' length  
or  
**3 times** if you are setting up at 10' length



While holding tension on the wire, attach the free eyelet to the right hand side of the tensioner. Slip the other end of the tensioner onto the X-axis wire holder attached to the left hand frame leg.



Turn the center portion of the tensioner to make the drive wire taut. Use the enclosed tensioning template as a guide to set the proper tension. Do not overtighten the tensioner.

The lower drive assembly is now installed!

# INSTALLING THE DRIVE SYSTEM

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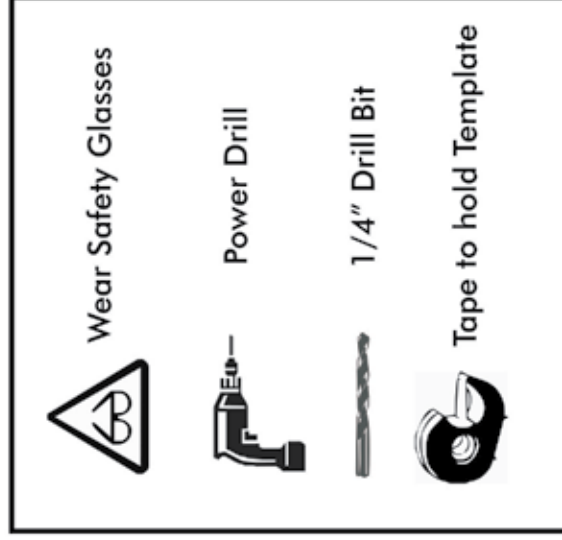


## Y-Axis Drive Assembly Drilling Template For Use with the INSPIRA Quilting Frame



Photo A

### You will need...



Align this edge 2 1/2" from front of upper carriage. (See Photo A)

### Drill 1/4" diameter holes at these locations

Cut along the dashed line and rest the edge of this template with the top of the lower carriage rail on the right hand side (looking at the carriages from the back of the quilting frame.) (See Photo A).

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# Y-Axis Drive Wire Drilling Template For Use with the INSPIRA Quilting Frame

## Cut along dotted lines

Align this template on the side rail of the lower carriage as shown in the photo

This edge along back of carriage

Drill 3/16" Diameter



Align this template on the side rail of the lower carriage as shown in the photo

This edge along front of carriage

Drill 3/16" Diameter



## You will need...



Wear Safety Glasses



Power Drill



3/16" Drill Bit

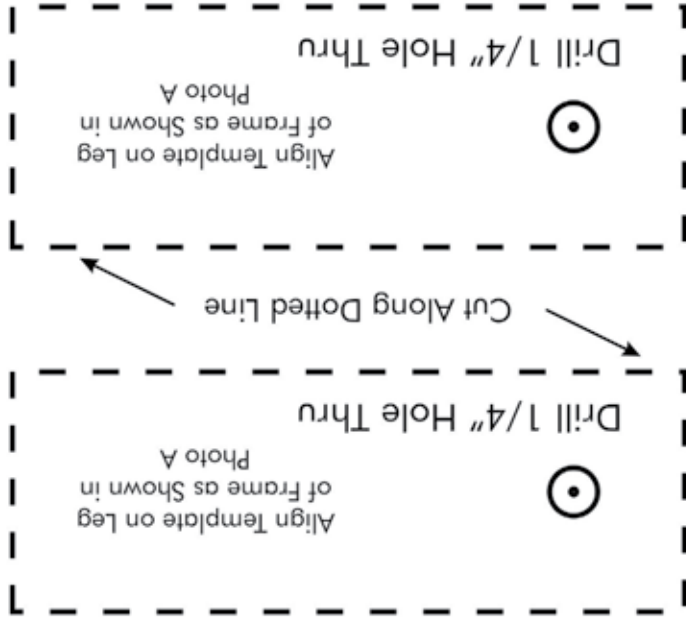


Tape to hold Template

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# X-Axis Drive Assembly Drilling Template For Use with the INSPIRA Quilting Frame



You will need...

Wear Safety Glasses

Power Drill

1/4" Drill Bit

3/16" Drill Bit

Tape to hold Template

