

Part No.



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.

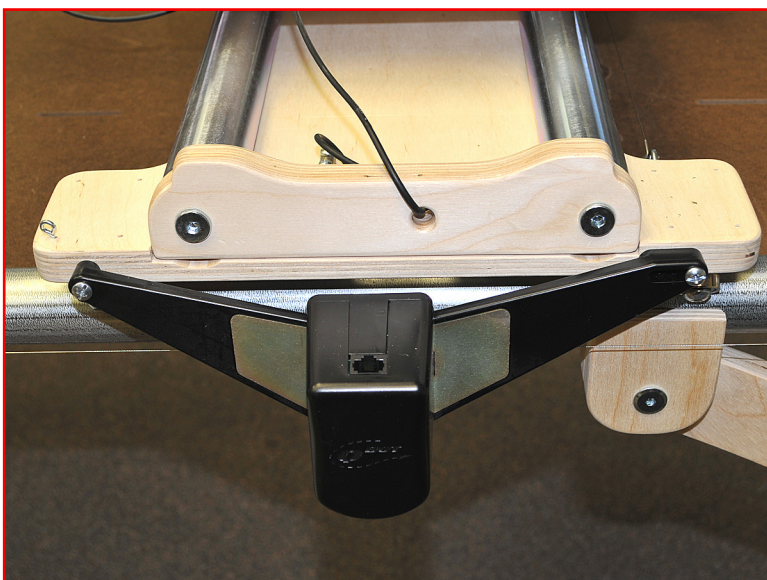
The hardware kit for the Tin Lizzie 18 frame includes:

- (4) #10 X 1 1/4" Sheet Metal Screw
- (3) #10 Eye Screw
- (1) Hanger Bolt

TIN LIZZIE 18

First, install the X-axis wire holders on the frame end supports as shown in the pictures below. Use the templates on the last page of these instructions to mark the correct locations on the frame. Drill a 3/32" pilot hole before screwing in the eye screw.

BE CAREFUL SO THAT YOU DO NOT DRILL ALL THE WAY THROUGH YOUR FRAME.



Next, install one of the QBOT drive assemblies to the lower carriage using (2) #10 X 1 1/4" screws as shown in the picture to the right. Following the templates, drill 3/32" pilot holes in the carriage first before securing the screws. **TIGHTEN SECURELY, BUT DO NOT OVERTIGHTEN.**

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Finalize the installation of the X-Axis drive assembly by installing the drive wire. THE DRIVE WIRE MUST BE WRAPPED SO THAT THE WIRE ENTERS AND EXITS FROM THE TOP OF THE DRIVE WHEEL AS SHOWN IN THE PICTURE.

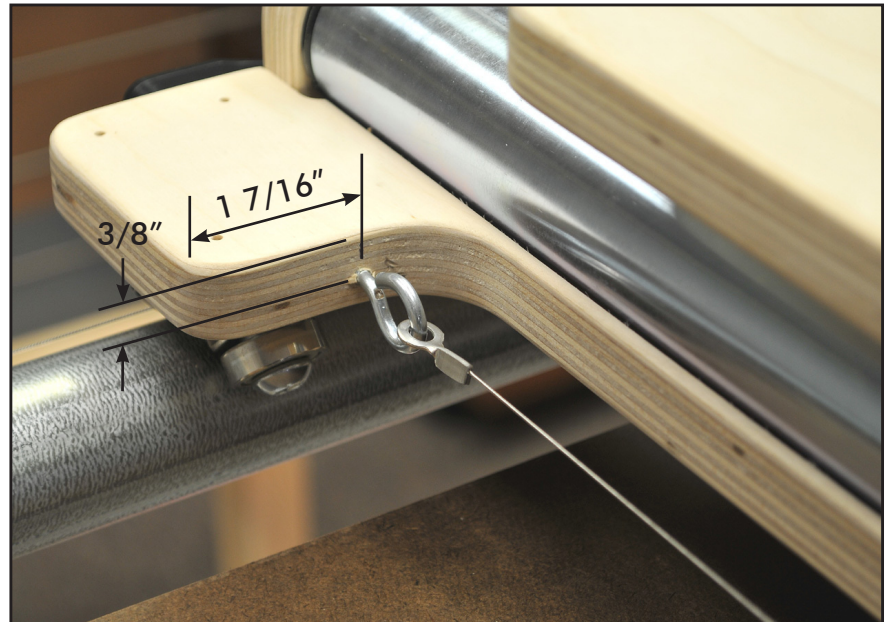


Use the following chart to determine which X-Axis drive wire you should use and how many wraps to make on the drive wheel:

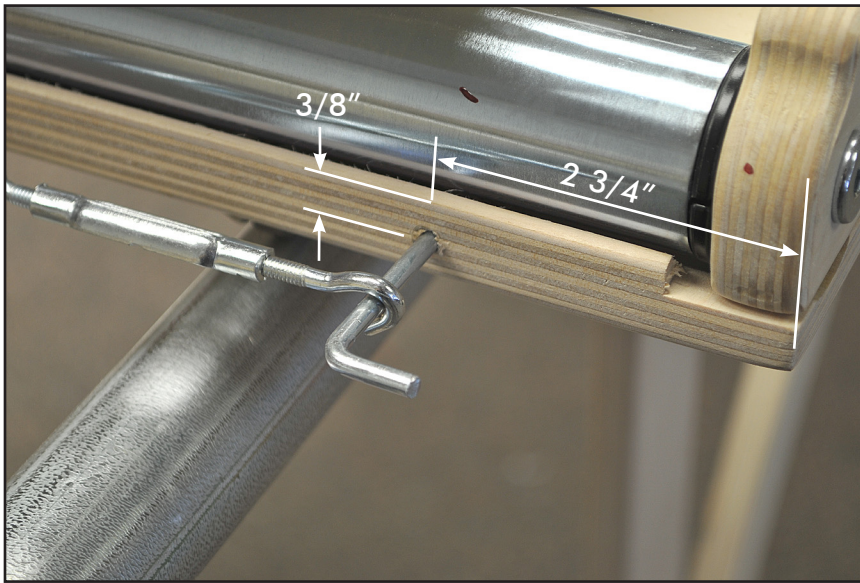
Frame Length	Wire Length	# of Wraps
120"	122.63"	3
98 1/8"	98.0"	2
80 1/8"	80.0"	2
60 1/2"	60.38"	2

Apply tension to the drive wire by turning the barrel on the tensioner to remove the slack. Use the tensioning template on page 39 of your QBOT manual to set the tension in the wire. **BE SURE TO TURN THE BARREL OF THE TENSIONER AND NOT THE DRIVE WIRE. TWISTING THE DRIVE WIRE WILL SHORTEN THE LIFE OF THE WIRE.**

Next, install the Y-Axis wire holders on the lower carriage as shown in the following photos. First, install the eye bolt on the carriage. Drill a 3/32" pilot hole in the carriage as shown in the picture to the right.



INSTALLING THE DRIVE SYSTEM



Install the hangar bolt in the lower carriage as shown in the picture to the left. Drill a 1/8" pilot hole before attaching the hangar.

Install the Y-Axis drive assembly as shown. Use the template as a guide to drill the 3/32" pilot holes in the upper carriage. Attach the drive assembly using (2) #10 X 1/4" screws. Secure tightly, but do not overtighten.



Finalize the installation of the Y-Axis drive assembly by installing the drive wire. **THE DRIVE WIRE MUST BE WRAPPED SO THAT THE WIRE ENTERS AND EXITS FROM THE BOTTOM OF THE DRIVE WHEEL AS SHOWN IN THE PICTURE TO THE LEFT.**



Wrap the drive wire around the drive wheel twice (2X). Use the tensioner to remove the slack in the drive wire and apply the appropriate amount of tension. Use the tensioning template on page 39 of the QBOT manual to set the final tension in the wire. **BE SURE TO TURN THE BARREL OF THE TENSIONER AND NOT THE DRIVE WIRE. TWISTING THE DRIVE WIRE WILL SHORTEN THE LIFE OF THE WIRE.**

SETTING THE PARAMETERS

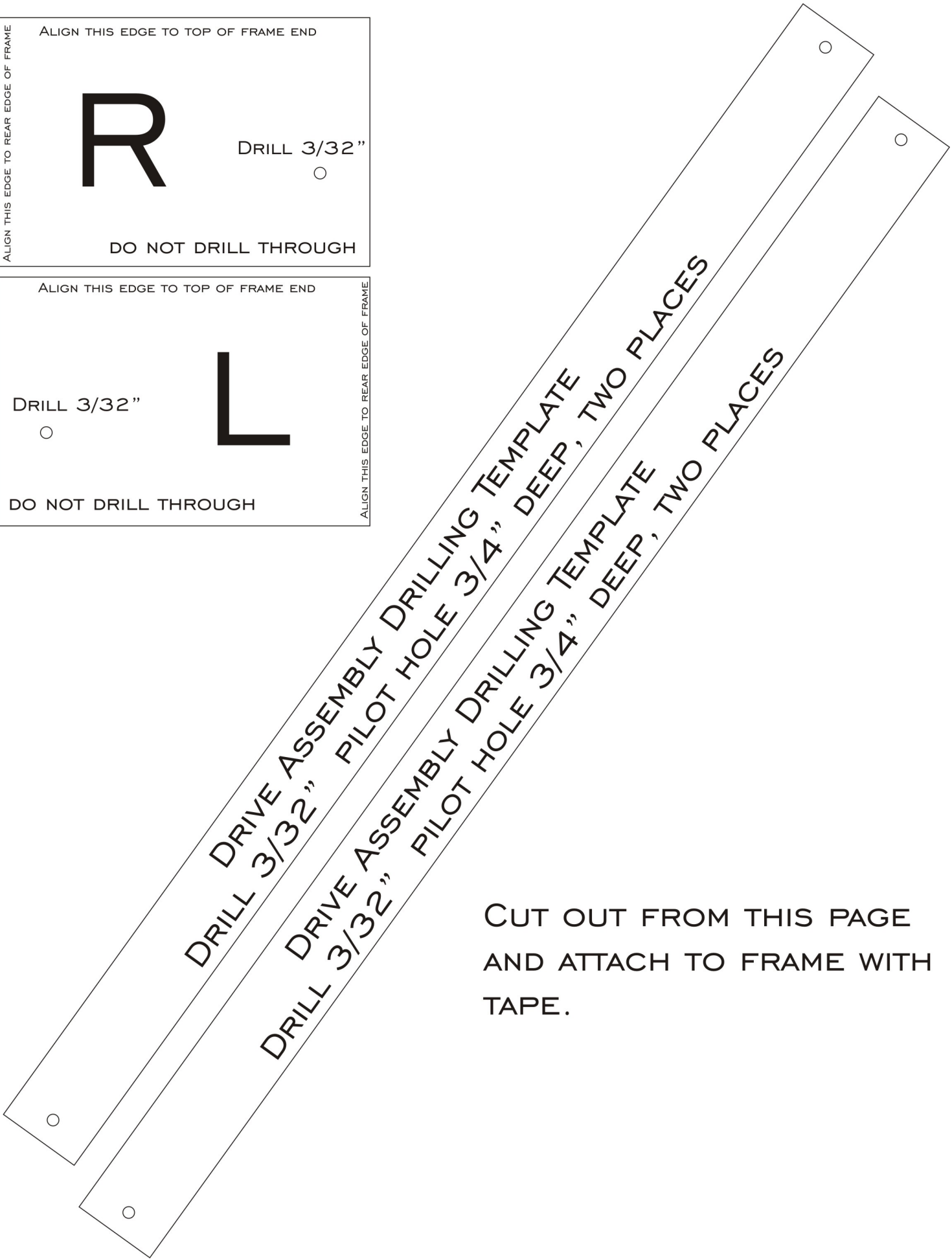
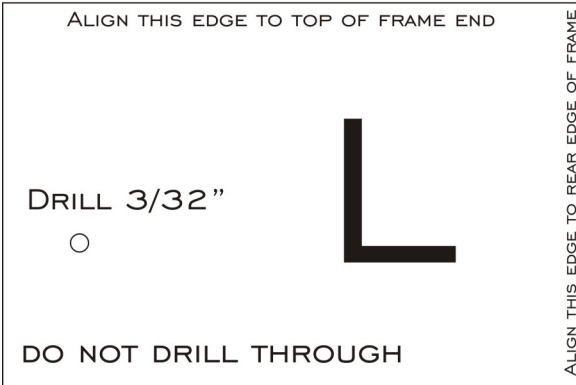
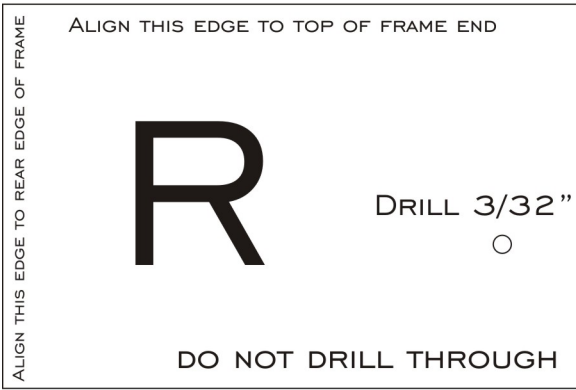
You're almost done. Just a couple of final housekeeping steps before you are ready to quilt. Finish off the installation by making all electrical connections to your sewing machine and Quilter's Cruise Control and the drive assemblies using the wiring harness that came with your QBOT.

If you are using the QBOT with the Tin Lizzie 18 sewing machine, you must use the special wiring harness for the drive assembly connections. The special wiring kit has longer cables that work with the larger sewing machine.

Finally, you must make a couple of changes to the parameters in the QBOT. The procedure for changing parameters is shown on page 21 of the QBOT manual. Using that procedure, change the following parameters:

Parameter Name	Change Value to:
Y- Axis Direction	1
Acceleration	1800

If your QBOT stitches out designs upside down or backwards, recheck the way the drive wires are wrapped around the drive wheels and the X and Y direction parameters.



CUT OUT FROM THIS PAGE
AND ATTACH TO FRAME WITH
TAPE.