USER MANUAL

QBOT™

inspira

Thank You

Thank you for purchasing a QBOT™ - you have made an excellent choice. The QBOT will provide hours of troublefree automated quilting. Whether you are new to quilting or an experienced quilter, we are sure that you will enjoy the features and benefits of the QBOT automated quilting system.

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Manual Version

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http:www.myqbot.com/support

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Package Contents

A. (1) QBOT 'Brain'
B. (2) Drive Assemblies
C. (1) Power supply and cord
D. (1) Wiring harness
E. Hardware Pack
   - (2) Y-axis brackets
   - (2) X-Axis brackets
   - (3) Washers (size #12 SAE)
   - (4) 6mm screws, 1 1/2" long button head
   - (2) Drive wire tensioners
   - (1) 4mm hex key
   - (1) Adhesive pad
   - (2) Wire ties

F. Drive wire set
   (1 ea.) 24", 60", 120"
G. SD memory card
H. Tensioning template
I. Instructional DVD

INSTALLING THE DRIVE SYSTEM

Un-snap the locks on the upper handle assembly.

Remove the handle assembly and set aside. Unplug all cords from the sewing machine, then lift it off of the upper carriage. Carefully place the machine in a convenient location.

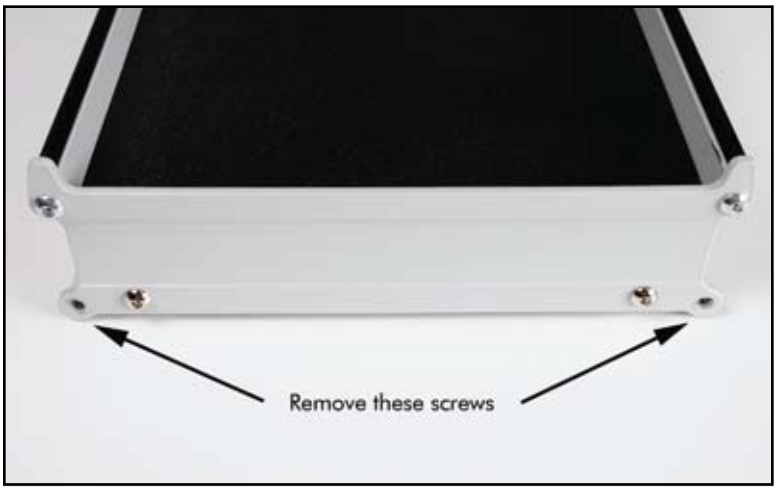
If you have the Quilter's Cruise Control® installed, remove the optical encoders from the upper and lower carriages at this time. Re-install the bolts to secure the wheels to the carriages

INSTALLING THE DRIVE SYSTEM

INSTALLING THE DRIVE SYSTEM

For best performance of the QBOT, please replace all eight (8) wheels with steel wheels. If you already have steel wheels, then you do not need to replace them. If you have any questions, please contact your dealer.

Using the 4 mm hex key, remove the two bottom screws from the back side of the lower carriage. You will not use these screws again. Set them aside with other parts that will not be reused.



Mount one of the QBOT drive assemblies to the back of the lower carriage using two 1½" button head screws provided. Make sure the drive assembly is secure by tightening the screws with the hex key.

INSTALLING THE DRIVE SYSTEM

Attach the second drive assembly to the right hand side of the upper carriage as viewed when you are standing at the back of the frame. Set the upper carriage on its side with the handle holder of the carriage on the left. Remove both bolts and metal wheels from the right side. Set aside the wheels to be used later. The bolts and washers that were removed will not be reused.

Place one 1½" button head screw through the hole of the drive assembly, replace one metal wheel, then slide on a washer from the QBOT installation hardware pack. Insert into the rear hole in the upper carriage and screw gently into the original nut that is in the upper carriage. Do not tighten at this point.

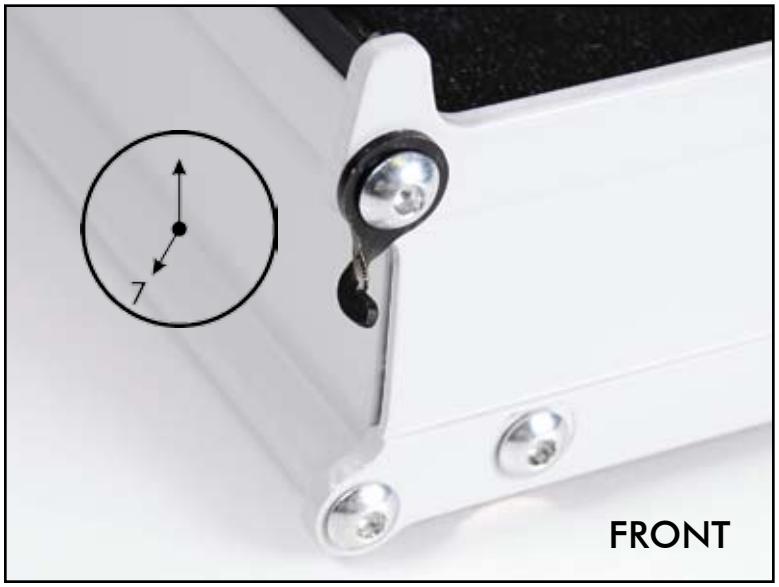
Next, place the second 1½" button head screw into the slot in the assembly. Slide on a washer from the QBOT installation hardware pack, metal wheel, and 3rd washer. Insert into the upper carriage and screw gently into the original nut. Securely tighten both screws after the assembly is in place on the carriage.

INSTALLING THE DRIVE SYSTEM

Install the 24" upper drive wire to the lower carriage. You will need the following within reach when you begin this installation: 2 Y-axis wire holders, 24" wire, 4 mm hex key, one tensioner and tensioning template (found on last page of this manual.)

Remove the upper right-hand screw that is above the drive assembly. Keep this screw handy. Attach one Y-axis wire holder and replace the screw you just removed. Tighten securely, making sure that the hook on this wire holder is in the 5 o'clock position.

Remove the second screw that is at the top of the opposite end of the lower carriage on the same side. Attach the second Y-axis wire holder and replace the screw. Tighten securely ensuring that the hook on this wire holder is in the 7 o'clock position.



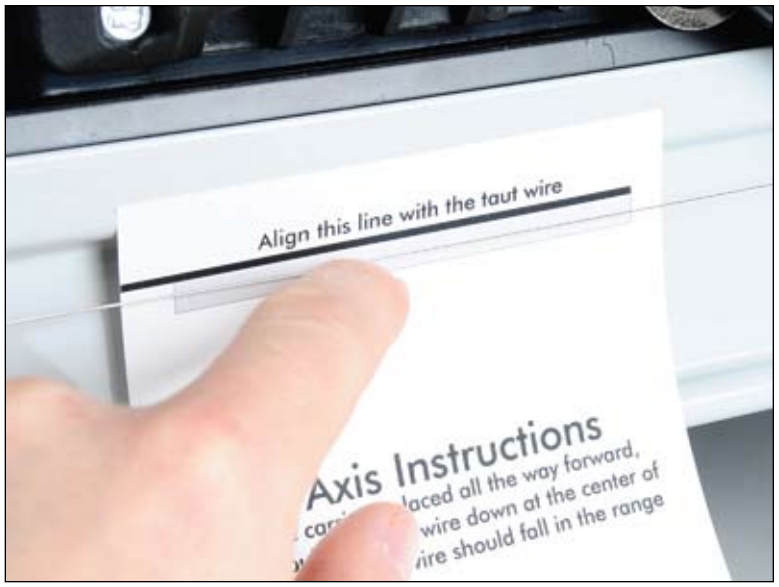
Take one end of the 24" wire and place the eyelet around the hook of the Y-axis wire holder on the front of the lower carriage.

Rest the upper carriage onto the drive assembly near the lower carriage. Place the drive wire over the top of the drive pulley **wrapping twice** around the drive wheel in a **clockwise** direction.

Holding the wire taut with your hand, return the carriage to its upright position on top of the lower carriage.

Attach the eyelet of the wire to the tensioner. Attach the other end of the tensioner to the hook of the Y-axis wire holder.

Move the upper carriage all the way to the front of the lower carriage. Tighten the wire with the center of the tensioner until it is stretched like a guitar string.



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.

The upper drive wire is now installed!

TIP - Please watch the DVD for more information about the drive assembly installation.

INSTALLING THE DRIVE SYSTEM

You are now ready to install the lower drive wire. Use similar steps as with the upper wire.

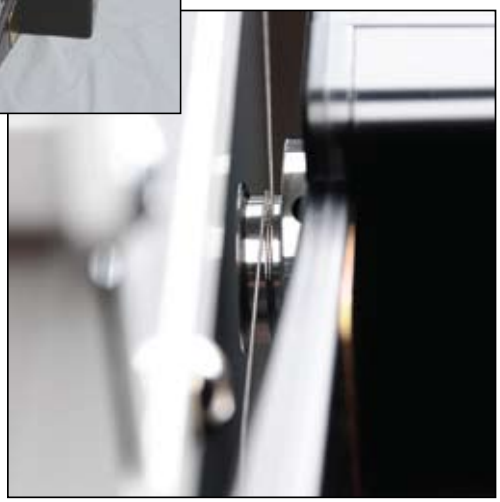
Gather the following within reach: 2 X-axis wire holders, 4 mm hex key, 60" or 120" wire (depending upon your frame length), one tensioner and tensioning template. Keep the wire that you don't use in a safe place in case you change the length of your frame.

Standing at the back of your frame, loosen slightly the upper left hand screw using the hex key.

Slide the X-axis wire holder, labeled 'L', between the frame and the screw head. Tighten the screw securely.

Loosen slightly the upper right hand screw, slide the X-axis wire holder labeled 'R' between the frame and the screw head. Tighten securely.

Take one end of the lower drive wire and place the eyelet around the hook of the right X-axis wire holder.



Lift the whole carriage unit off the rails and move slightly to the back of the frame. Standing at the back of the frame, place the lower drive wire over the drive pulley, **wrapping down and around twice**. Holding the wire taut with your left hand, return the carriage back to the rails of the frame. The photo to the left is a view looking down on the drive assembly.

TIP - Please watch the DVD for more information about the drive assembly installation.

Attach the tensioner to the hook of the left X-axis wire holder. Attach the eyelet of the wire to other end of the tensioner. Tighten the wire with the center of the tensioner until it is stretched like a guitar string. Use the tensioning template as your guide for tightness as before.

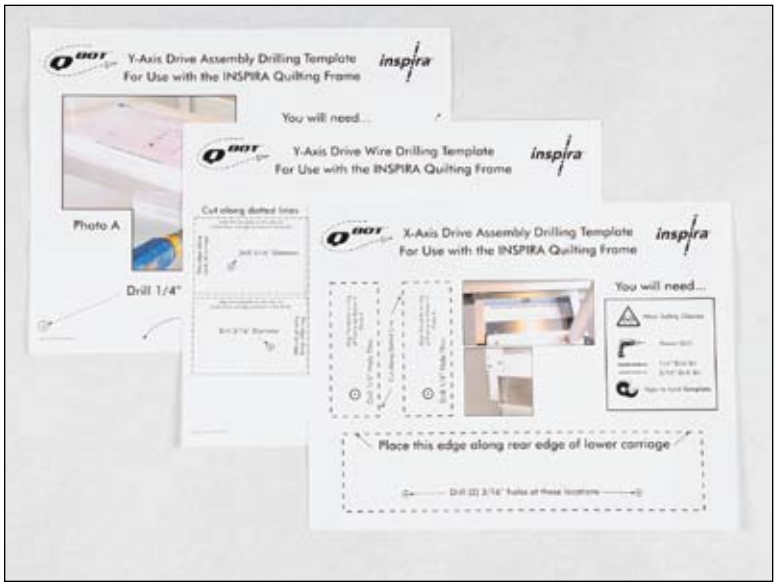
INSTALLING THE DRIVE SYSTEM

Move the carriage back and forth to ensure the wheels are riding on their tracks.

Place your sewing machine back on the carriage and replace the handle assembly.

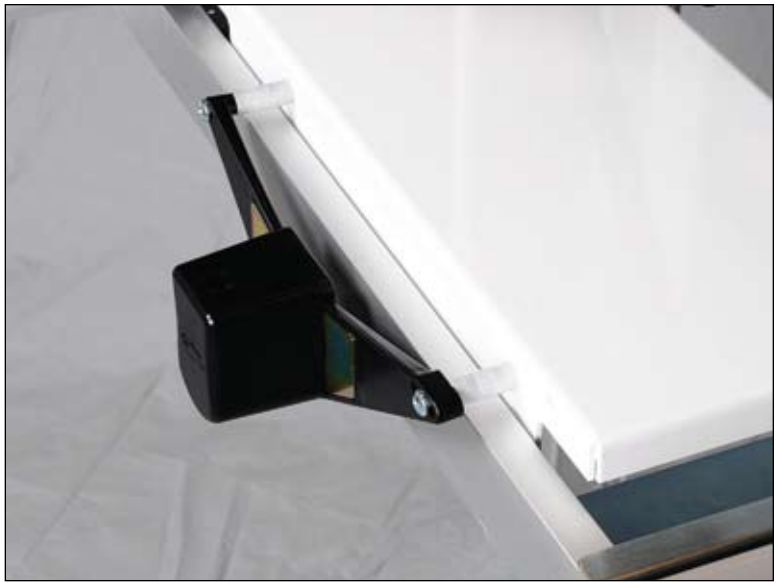
The QBOT drive system is now installed.

Remove the black knob from the front center of the handle assembly. Slide the QBOT bracket onto the exposed bolt. Replace and tighten the black knob to hold your QBOT in place. Notice the QBOT bracket is adjustable so that you can move the QBOT to easily see the screen in any light.



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 2½" screw from your hardware kit and place it through the attachment hole in the drive assembly. Next, slide on one 1¼" spacer. Place the screw through the rear hole in the upper carriage. Assemble one of the ¼" nuts to the screw. Do not fully tighten yet.



Take the other 2½" screw from the hardware kit and place it in the slot on the drive assembly. Slide on the other 1¼" spacer. Place the screw through the other hole in the upper carriage and assemble a ¼" nut to the screw. Tighten both screws snugly. Overtightening will damage the drive assembly.

INSTALLING THE DRIVE SYSTEM

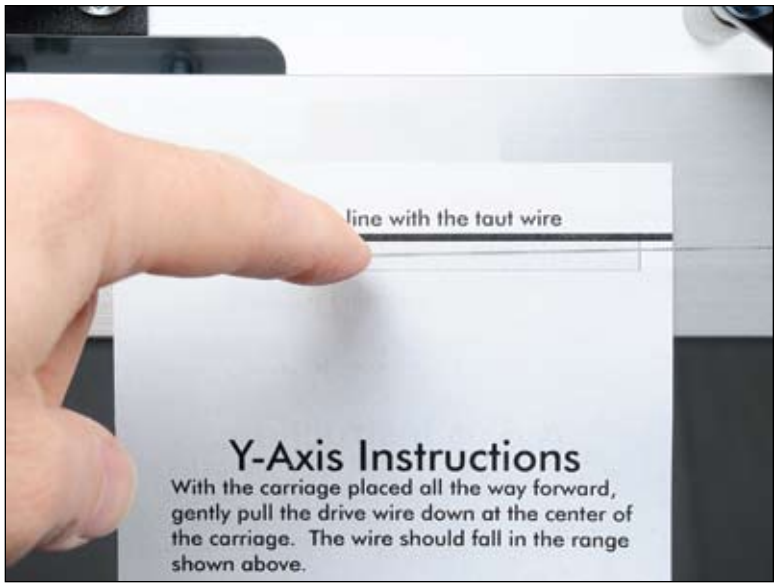
You are now ready to install the Y-Axis drive wire. You will want to have the following items handy before performing the following steps: (2) #8 X 1" screws, (4) #8 nuts, (1) 24" drive wire, (1) tensioner.

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.

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.

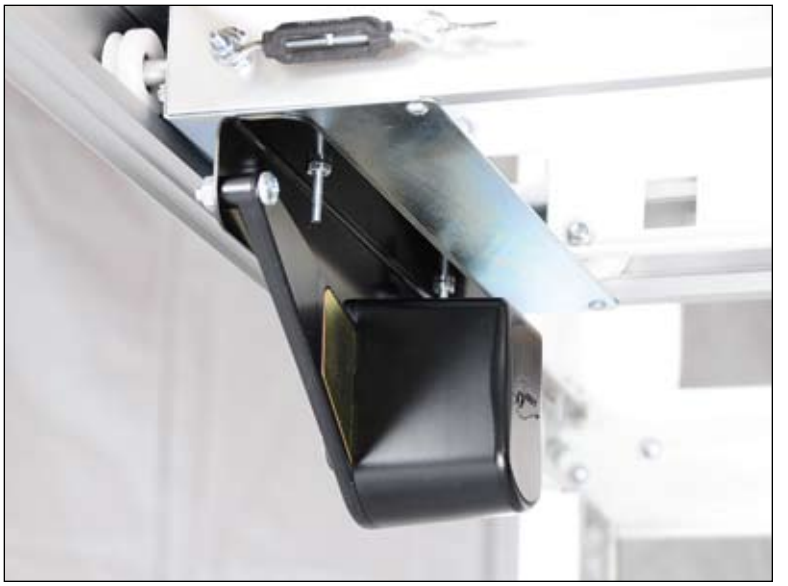
The upper drive assembly is now installed!

INSTALLING THE DRIVE SYSTEM

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) ¼" X 1" screws, (2) ¼" 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 ¼" X 1" screws and two ¼" 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.



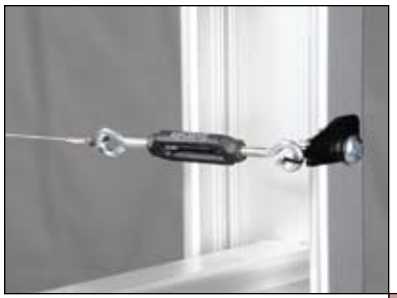
Next, install the X-Axis wire holders to the rear outer frame legs as shown in the pictures to the left. Remember, these holes were drilled into the frame using the drilling templates from the Inspira hardware pack. One wire holder is marked 'L' and one is marked 'R'. If you are standing at the front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

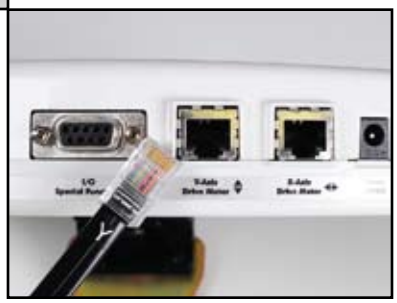
INSTALLING THE DRIVE SYSTEM

You are now ready to install the QBOT 'Brain' and make the connections to the Quilter's Cruise Control. If you have a Quilter's Cruise Control that is 'hardwired', meaning the encoder wires go directly into the Quilter's Cruise Control 'Brain', please leave your encoders placed on your carriages. There is no need to remove them.

If you have a Quilter's Cruise Control with modular encoder wire connectors like the ones shown in the pictures to the right, then you may remove the optical encoders and their mounting brackets from your frame.

Loosen the two screws in the front of your handle assembly with the 4mm hex key. Loosen these so there is a gap of about 1/8" between the handle assembly and the handle support frame.

Slide the QBOT bracket in the gap that you just made. The QBOT bracket will slide down until it rests on the screws that you loosened. When the bracket is down as far as it will go, tighten the two screws using the 4mm hex key.



There are two ends to your wiring harness. One end of the wiring harness has long wires. The other end has shorter wires. We are now going to plug in the shorter wires to the QBOT. Plug the cable marked with an 'X' into the corresponding port on the QBOT. Plug the cable marked with a 'Y' into its corresponding port.

TIP-Push these connectors in until you hear a click.

The smaller flat cable, which looks similar to a phone cable, is the connection between your QBOT and your Quilter's Cruise Control.

Plug this cable into the connection labeled 'QCC Encoder Port' on the QBOT.

The final wire of the harness is the wire that plugs into the port labeled 'QCC Remote Port' on the QBOT.

Now you are ready to connect the power supply to the QBOT. Remove the power supply from its box and plug the connector into the QBOT as shown. Next, ensure that the QBOT power switch is in the 'OFF' position, designated by '0' on the label under the switch. Finally, plug the power cord into the QBOT transformer.

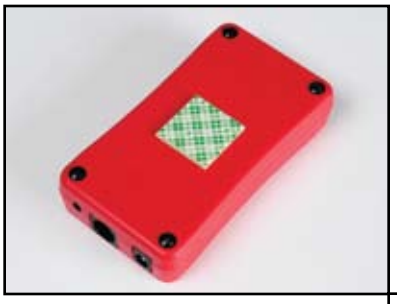
You're almost done. You'll be QBOT quilting shortly.

To keep your QBOT wires tidy, secure the wiring harness and power supply cord as shown using the included wire ties.

Plug in the Y-axis cable from the wiring harness to the upper drive assembly (the assembly on the side of the carriage) and the X-axis cable to the lower drive assembly (the assembly on the back of the carriage).

TIP-Push these connectors in until you hear a click.

If you have a plastic Quilter's Cruise Control brain, adhere the adhesive pad to the back of the brain then mount it to the back of your sewing machine as shown. If you have a red metal Quilter's Cruise Control brain, please skip to the bottom of the next page.



Plug the smaller flat cable that looks like a phone connector into the port on the Quilter's Cruise Control labeled 'Encoders'.

Plug one end of the sewing machine connector cord into the port on the QCC labeled 'To Sewing Machine'.

The other end of the cord with the 3 pins will plug into the sewing machine foot pedal port. If your sewing machine differs in appearance, use the appropriate connector cord that came with your Quilter's Cruise Control.

Next, connect the last connector from the QBOT wiring harness to the port labeled 'Remote Switch' on the QCC.

The last connection to the QCC unit is the power supply connection. Use only the power supply that came with your QCC.

Plug the QCC power transformer and the QBOT power cord into a surge protector.

If you have a metal QCC brain, plug it directly into the back of your sewing machine.

From the QBOT wiring harness, connect the smaller flat cable to the port on the Quilter's Cruise Control marked 'Encoders'.

If your Quilter's Cruise Control has the encoder wires 'hard-wired' to the brain, you do not need to make this connection.

MAKING THE CONNECTIONS

Connect the 3.5 mm audio-style connector from the QBOT wiring harness into the port labeled 'Remote Plug-in'.

Connect the power supply for the QCC into the port labeled '6VDC' and then into a surge protector power strip. Plug in the QBOT power cord into a good surge protector at this time.

You're almost there. Ensure your QBOT power switch is toggled up, to the OFF (0) position.

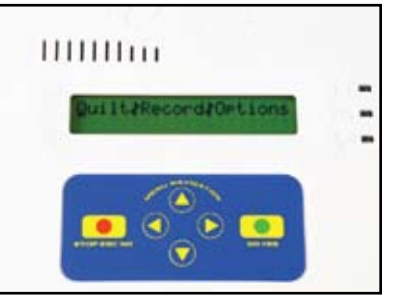
ATTENTION

INSPIRA frame owners must change a setup parameter in the QBOT prior to moving on. See the 'QBOT Adjustments' on page 21.

ATTENTION

Brother and Babylock sewing machine owners must adjust a switch on the other side of the QBOT before continuing. See the 'QBOT Adjustments' on page 21.

You are now ready to verify the installation of the drive system and the QBOT. Insert the SD card that came with your QBOT into the slot in the QBOT. Turn on the QBOT. The welcome screen will display briefly, then you will see the Quilt|Record|Options menu. If you get an error message, 'No SD card detected, Please insert card', re-insert the SD card making sure you here a 'click'. You will now see the Quilt|Record|Options menu.



On the menu navigation touch pad, press the 'GO' button. The QBOT will then display the design selection menu. Press the down arrow once to select the design named 'TEST.4QB'.

Navigate to the right and highlight 'Start'. Press the 'GO' button.

The QBOT displays 'Place on right upper'. Place the carriage toward the take up roller, but not touching.

Press 'GO'.

Next, the QBOT displays 'Place on left lower'. Relative to the first position, move the carriage to the left and down.

Press 'GO'.

The QBOT displays 'Keep Proportion?' Select 'Yes', then pess 'GO'.

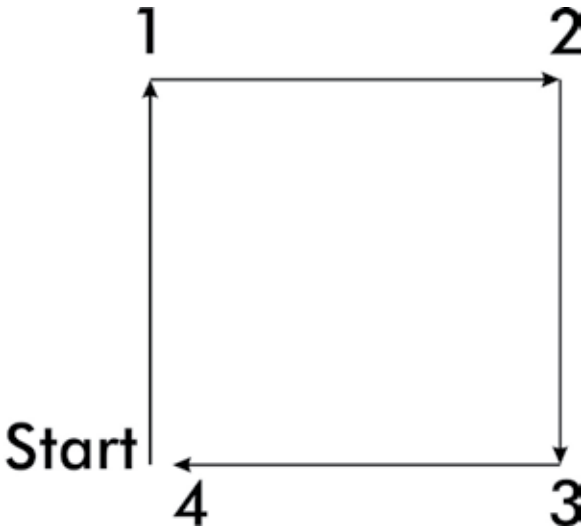
The QBOT will then scale the design and report the scale relative to the stored design.

The QBOT displays 'Press GO = Move to Start'. Press 'GO' and the carriage will begin moving to the start point. The QBOT will wait at the start point.

After the carriages move to the start position, turn off the sewing machine and raise the presser foot. The QBOT will display the fine tune menu. Press 'GO' to start the test pattern.

VERIFYING THE INSTALLATION

After pressing the 'GO' button the carriages will begin to move in the direction of the test pattern.

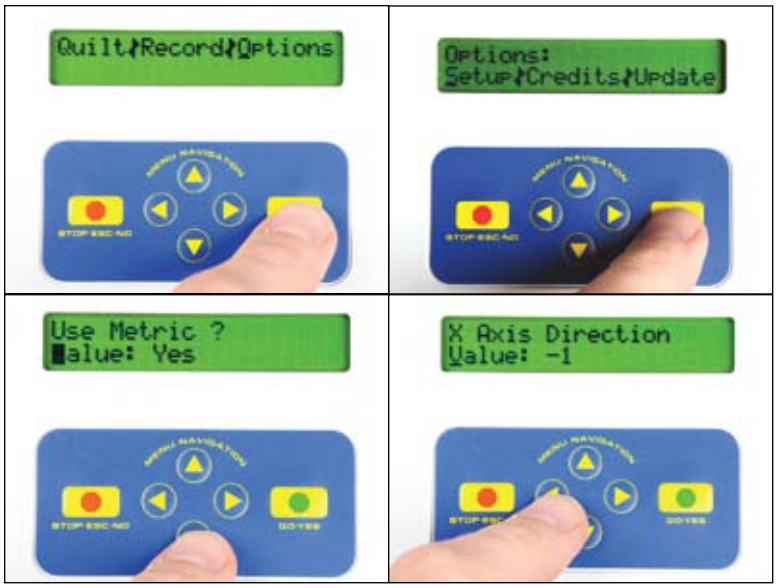


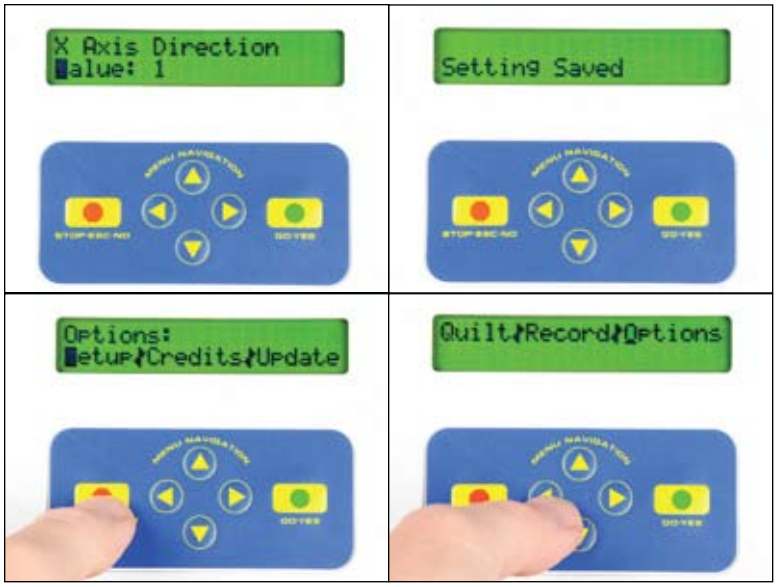
The QBOT will move the sewing machine in a square from the lower left corner to the upper left corner to the upper right corner to the lower right corner, then back to the lower left corner. If your results are different, please consult the troubleshooting section of this manual.

At the end of the test design, you will be asked to "Repeat|Exit". Touch the right navigation arrow until the cursor blinks over the "E" in "Exit". Touch GO. You are ready to start quilting.

Your QBOT is now installed and you are ready to begin quilting with your QBOT. Load some fabric onto your quilting frame, following the loading instructions that came with your quilting frame. You may now skip to the 'Quilting with QBOT' section of this manual.

To see more details of this procedure, please view the quilting section of the DVD that is included with your QBOT.





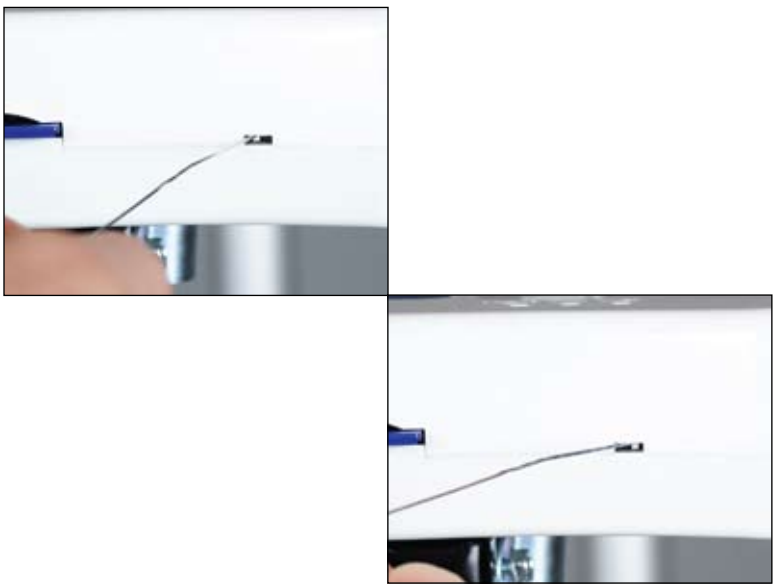
INSPIRA owners:

If you have the INSPIRA frame you must make a change to the 'X Axis Direction' parameter through the 'Options' and 'Setup' menus. To do this, insert the SD card and turn on the QBOT. If you get an error message, 'No SD card detected, Please insert card', re-insert the SD card making sure you here a 'click'. You will now see the Quilt|Record|Options menu.

Using the navigation arrows, arrow to the right and highlight the 'O' in 'Options', then press 'GO'. The next menu you will see is the 'Setup|Credits|Update' menu. The cursor will be blinking over the 'S' in 'Setup'. Press 'GO'

You are now in the parameter setup section of the QBOT. The parameter name is shown in the top line of the display and the value is listed in the second line. The first parameter is 'Use Metric?' and the Value is 'No'. The next parameter is what you are interested in. Press the DOWN navigation arrow once. You will now see 'X Axis Direction' as the parameter and the default value is '-1'. Press the LEFT navigation arrow to change the parameter to '1'. Press 'GO'. Your QBOT will display 'Setting Saved', then will return to the 'Setup|Credits|Update' menu. Press 'STOP' to return to the 'Quilt|Record|Options' menu. Highlight the 'Q' in 'Quilt' by pressing the LEFT navigation arrow twice.

You may now return to page 19 of this manual.



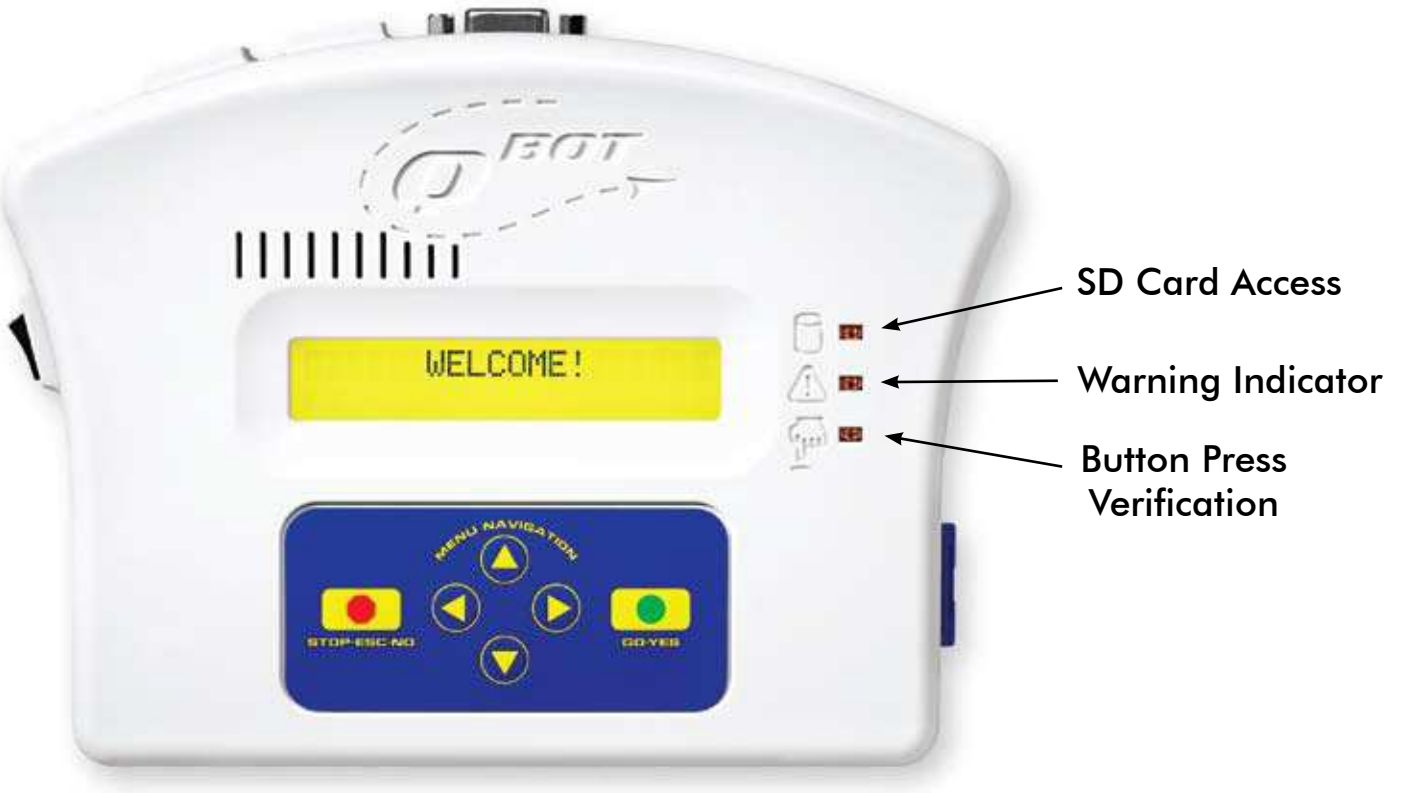
BROTHER/BABYLOCK owners:

Using a blunt tip of a paper-clip, slide the small switch on the right side of the QBOT to the right or up. The default position for this switch is the left or down position.

You may now return to page 19 of this manual.

QUILTING WITH YOUR QBOT

Let's learn the icons...



Lights:

SD Card Access - Whenever information is taken from or written to the SD card, the access light will blink.

Warning Indicator - If the QBOT encounters an error, the warning light will flash and an error message will show in the main display.

Button Press Verification - This light will blink when any of the buttons are pressed on the touch pad.

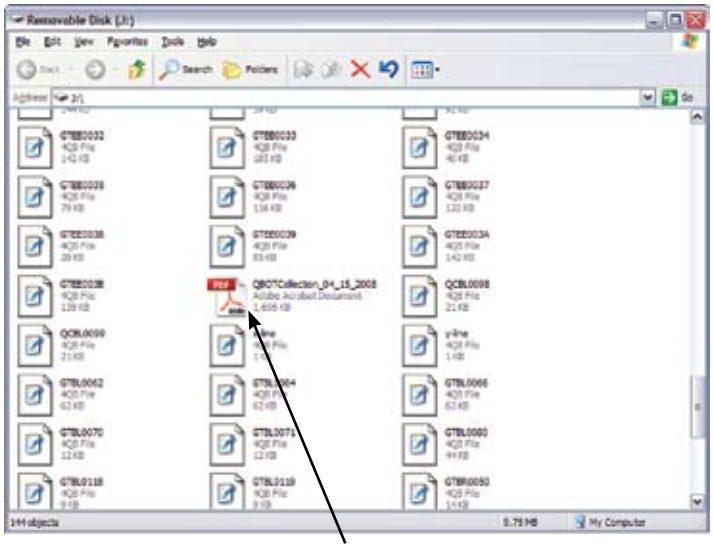
Buttons:

STOP-ESC-NO - This button stops action or returns you to the previous menu.

GO-YES - Use this button to start quilting or confirm selections.

Navigation Arrows - use these to step through the QBOT menus.

QUILTING WITH YOUR QBOT



QBOT Design Collection Icon

Your QBOT comes with a collection of over 18 quilt designs. With each of these designs you also have different rotation alternatives for most of the designs. Print out the design manual found on either your DVD or your SD card.

Simply navigate to the .pdf file and double click the icon. Most of today's computers have a Reader application that can open a document with the .pdf file extension.

UP/DOWN arrow icon

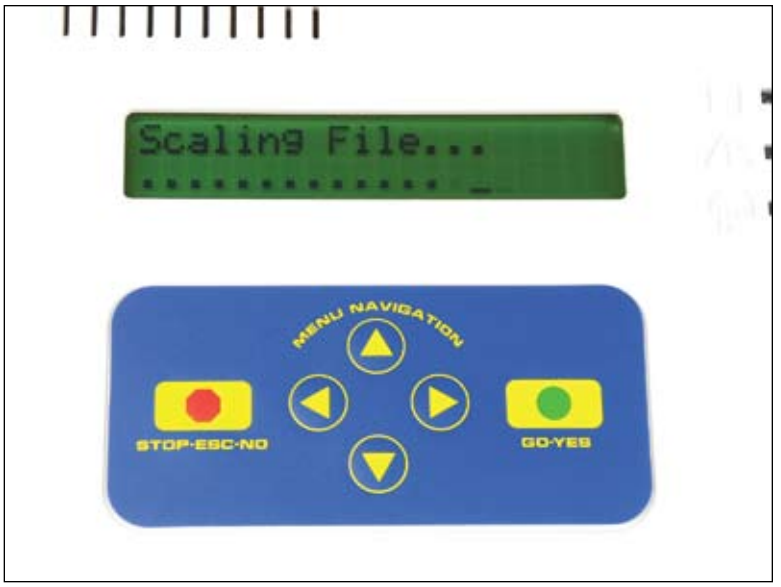
From the main Quilt|Record|Options menu, select 'Quilt' and press 'GO'. The display will show a filename and have the navigation menu under it as shown. With the blinking cursor under the UP/DOWN arrows on the left of the display, use the down arrow on the keypad to scroll to the file named GTBL0050.4QB. Next, use the right arrow on the keypad to place the cursor over the 'S' in 'Start'. Press 'GO'.

Your QBOT now asks you to 'Place on right-upper'. This will define the right upper corner of your quilting area. If you are using the QBOT technique quilt (pattern on DVD), use the first 5-inch square. Here, we are using a plain piece of fabric and selecting a spot near the take-up rail on the quilting frame as our upper right corner. Touch 'GO'. You have just told your QBOT that this is the upper right corner of your quilt block.

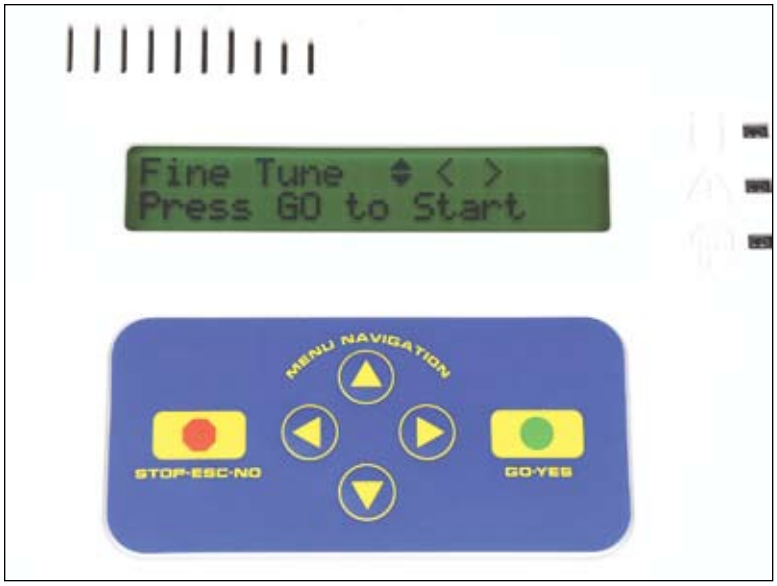
Your QBOT now asks you to 'Place on left-lower'. This will define the left lower corner of your quilting area. If you are using the QBOT technique quilt select the lower left corner of the first 5-inch square. Here, you will move to a point that is to the left and below the first point that we defined as the right-upper. Press 'GO'.

Your QBOT now asks you whether you want to 'Keep Proportion?' If you choose 'Yes', your QBOT will keep the relative height and width of the design the same even if the design was made larger or smaller than the original. For this exercise, we want to keep proportion, so we highlight 'Yes' and Press 'GO'.

Your QBOT now shows you that it is scaling the design. You will see the 'Scaling File' message, and the dots will cycle back and forth along the bottom of the display. Depending on the size of the file, scaling may take a couple of seconds to a minute or two.



After scaling, you will see the following display. Your scaling factor will most likely be different. QBOT tells you the scale relative to the stored design size. In this case, the design is scaled to 88% of the stored design. Your scaling factor will most likely be different. What is really most important is that QBOT will make the design fit into the area you chose by selecting the upper-right and lower-left points of the block. Pressing GO will move the carriages and the sewing machine to the start point of the design. The sewing machine will not start yet. That will happen in the step at the bottom of this page.



You're almost quilting! This is the last menu you will see before the QBOT takes control and starts to sew your design. This is called the 'Fine Tune' menu. You can fine tune the start point by using the navigation arrows on the QBOT. You may need to do this if you are aligning two designs in a complex fashion. Here, you have nothing to align to, so you are ready to press 'GO'... BUT WAIT

There are three very important things that you should remember before pressing the 'GO' button. First, pull up your bobbin thread to eliminate a thread nest at the beginning of your stitching. Second, make sure the sewing machine is ON. Third, be sure that your presser foot is down to ensure proper stitch formation. Hold on to the thread tails, move your hand away from the needle, press 'GO'!

QUILTING WITH YOUR QBOT

Here is pattern GTBL0050.4QB quilted out. Isn't this great?! Your heart may be a slightly different size, but the proportion should be the same. You have just completed the quilting process with the QBOT. About 80% of your QBOT quilting will be similar to the process that you just performed.

You selected a design, sized the design by choosing the upper-right and lower-left points of the block, chose to keep it proportional, and pressed 'GO'.

Your QBOT now asks you whether you want to Repeat|Exit. We are going to explore more features of the QBOT. Use the right navigation button to move the cursor to 'Exit'. Press 'GO'.

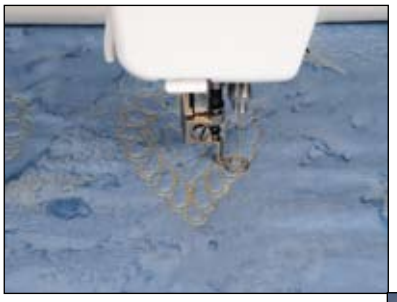
The same design file (GTBL0050) appears in the display. This time we are going to make the same heart fill up a rectangle. With the cursor over 'Start', press 'GO'.

You are shown the 'Place on right-upper' menu again. If you have made the QBOT technique quilt, choose the right-upper corner of the small rectangle. Press 'GO'.

Now, place the needle on the left-lower corner of the block. If you are not using the QBOT technique quilt, choose a point that is about 3 inches to the left, and about 5 inches down from the right-upper corner. A rectangle of this proportion will highlight the difference between proportional and non-proportional scaling. Press 'GO'.

Here at the 'Keep Proportion?' menu, select 'No'. Press 'GO'. The QBOT will scale the file to fill up the area of the rectangle. When finished, the design will look stretched in the vertical direction.

The QBOT will scale the file. Press 'GO' when you see the menu 'GO = Move to Start'. Remember to pull up the bobbin thread and lower the presser foot before pressing 'GO' the final time.

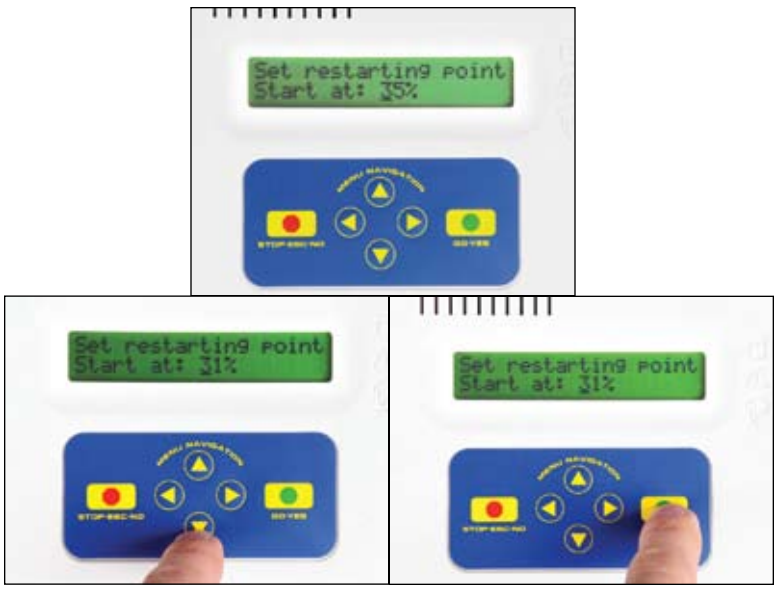


Here is pattern GTBL0050.4QB during quilting and fully finished. Note the non-proportional scaling because you chose 'No' when asked to keep proportion.

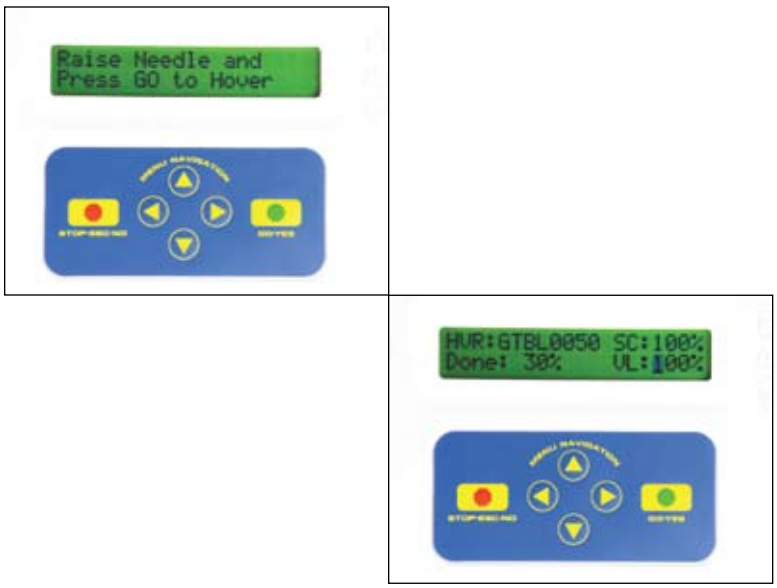
During quilting, you may break or run out of upper or bobbin thread. Your QBOT can handle these events with ease. When you notice that the thread is broken or you have run out of bobbin thread during the quilting process, press the 'STOP' button.

QBOT displays the 'Quilting Stopped' menu. The choices are 'Cont|%Restart|End'. If you choose 'End', you will end quilting the current design. You would choose this option if you accidentally chose the wrong design or placed it in the wrong place on your quilt. If you choose 'Cont', your QBOT will continue quilting from the place where it stopped. To make adjustments to your sewing machine, choose '% Restart'. Press 'GO'.

The carriages are now free to move. The QBOT knows the position of the carriages so you can move the carriages to either side of the quilt to re-thread the sewing machine or replace the bobbin. When you are done tending to the sewing machine, bring the carriages back to the general area of where you stopped your QBOT.



The display on the QBOT shows 'Set restarting point' and 'Start at: ___ %'. The percentage that is displayed is the percentage of the quilting path that has been quilted out. Change this percentage by pressing the DOWN navigation arrow. This will lower the percentage. Choose a percentage that you think best represents a couple of inches before the stitching stopped. This is a guess. If you were watching the sewing machine and stopped the QBOT immediately, choose a percentage that is 2 or 3% lower. If you were not watching the sewing machine, then make your best guess at the percentage. Press 'GO'.



Your QBOT now displays the message 'Raise Needle and Press GO to Hover'. When you press go, your QBOT will move the carriages over the already quilted path in hover mode. The sewing machine will not stitch. When the sewing machine needle is about 3/4" away from where the stitching ended press 'STOP'. There is a small time lag before your QBOT will stop.

QUILTING WITH YOUR QBOT

Your QBOT now displays the message 'Hovering Stopped' and your menu choices are 'Quilt|%Restart|End'. If you picked the wrong percentage earlier, you can choose '%Restart' and repeat the process. Otherwise choose 'Quilt'. Press 'GO'.

The display now shows the familiar 'Fine Tune' menu. Lower the needle slightly by turning the handwheel on the sewing machine. You can use the navigation arrows to fine tune the position if necessary. Once you are satisfied with the positioning, pull up your bobbin thread, lower your presser foot, and press 'GO'. Your sewing machine and QBOT will finish quilting the design.

That's it for the basics of quilting with the QBOT. Please watch your DVD for more in-depth instructions on joining designs, recording, and pausing the quilting process. The instructions for these QBOT features are best shown by video so you can see the complete process rather than try to gain an understanding through still photos.

Please make a visit to http://www.myQBOT.com where you can:

- Find a growing collection of free patterns
- Join the BOT Squad
- Watch short technique videos
- Share your questions with the QBOT support team
- Read the list of FAQ's
- Find out more about our industry partners
- Download a current/updated electronic version of this manual.

TROUBLESHOOTING

The following troubleshooting list covers some basic errors that may happen during installation of the QBOT. This list is not an all inclusive list of errors that may happen during installation, but represents the very most frequently occurring incidents during installation. If you have a support question that is not covered in this section, please visit http:www.myqbot.com for more support options.

SYMPTOM
Carriages move the wrong way when running TEST.4QB

SOLUTION
1.) Check wiring harness installation. 'X' wire connects to the 'X' port on the QBOT, 'Y' connects to the 'Y port. 2.) Check wiring harness connection to the drvie assemblies. 'X' connects to the rear drive assembly. 'Y' connects to the upper drive assembly. 3.) Check drive wire installation. Drive wires come off the top of the drive pulley, not the bottom. Drive wires should be horizontal and straight, not shaped like a 'V'. 4.) Check the setup parameters in the QBOT. The default parameters are set for the Next Generation frame. The QBOT parameters may need to be adjusted for different frames. For instance, the 'X Axis Direction' parameter needs to be changed from '-1' to '1'. Please check the QBOT instructions for your specific frame.

SYMPTOM
QBOT displays 'No SD Card Detected Please insert card'

SOLUTION
1.) Be sure that SD card is inserted, you will hear a click when it is inserted properly. 2.) SD card has become corrupted. You can try to reformat the SD card and replace the original contents of the card by transferring the files from your installation DVD to the card. 3.) SD card is damaged and requires replacement. SD cards may be purchased at any electronics store and at many independent retailers.

SYMPTOM
Stitching path is 'sloppy'.

SOLUTION
1.) Check carriage movement, it should be smooth. All the carriage wheels should be on their tracks. 2.) Check drive wire tension. If the wires are too loose, the carriages will not track properly. 3.) Check the quilt take up roller height. The take-up roller should be 1/8" to 1/4" above the sewing machine arm. 4.) Feed-dogs must be lowered or a feed-dog cover plate must be used.

WELCOME!
MENU NAVIGATION
STOP·ESC·NO
GO·YES

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

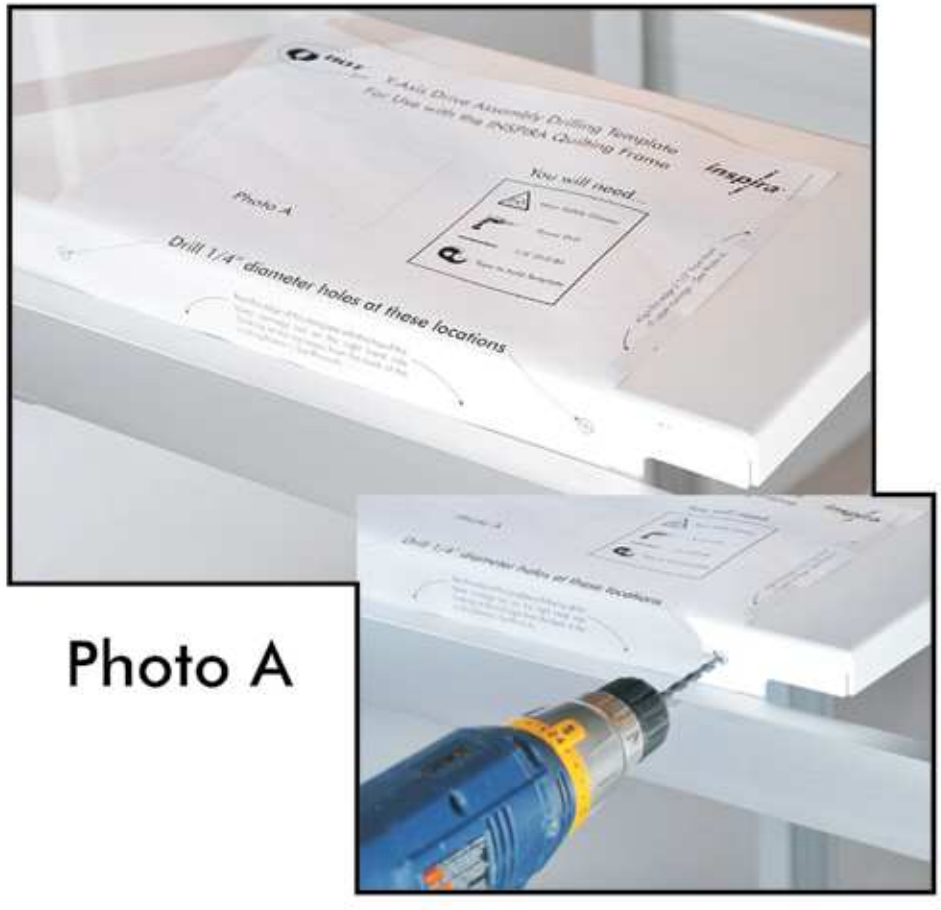


Photo A

You will need...

- Wear Safety Glasses
- Power Drill
- 1/4" Drill Bit
- Tape to hold Template

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).

insp_y_axis_template.pdf

WELCOME!
MENU NAVIGATION
STOP·ESC·NO
GO·YES

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

Drill 3/16" Diameter

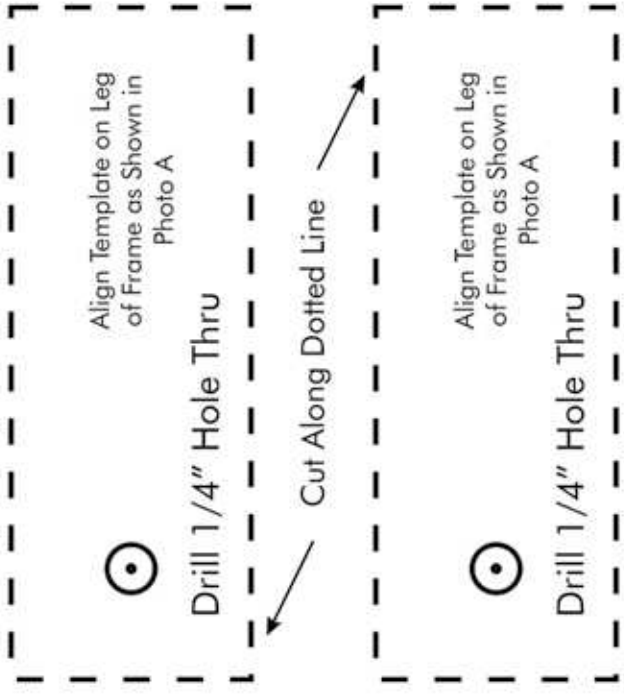
This edge along front of carriage

You will need...

- Wear Safety Glasses
- Power Drill
- 3/16" Drill Bit
- Tape to hold Template

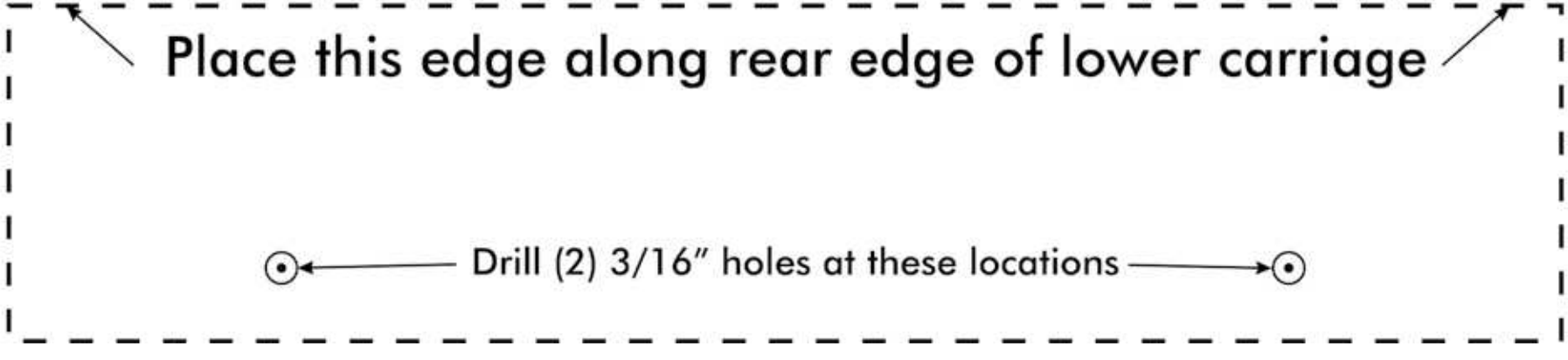
WELCOME!
MENU NAVIGATION
STOP·ESC·NO
GO·YES

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



WELCOME!
MENU NAVIGATION
STOP·ESC·NO
GO·YES

TEMPLATES

Align this line with the taut wire

correct tension range - 5' set-up

correct tension range - 10' set-up

X-Axis Instructions

With the carriage placed all the way to the left, gently pull the drive wire down at the center of the frame. The wire should fall in the range shown above for the length of frame you have.

NOTICE

Overtightening the wire will break the wire.

DO NOT OVERTIGHTEN!

QBOT

www.myqbot.com

Align this line with the taut wire

Y-Axis Instructions

With the carriage placed all the way forward, gently pull the drive wire down at the center of the carriage. The wire should fall in the range shown above.

NOTICE

Overtightening the wire will break the wire.

DO NOT OVERTIGHTEN!

Tensioning Template

DREAM.

DISCOVER.

DESIGN.

DONE!

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VSM Sewing Inc.
31000 Viking Parkway
Westlake, OH 44145