



**How to Attach
Butler Robotics to a
Nolting
(Hinterberg Stretch)**

Bag #

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Integrated Wires



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White Belt, eyebolts, belt brackets



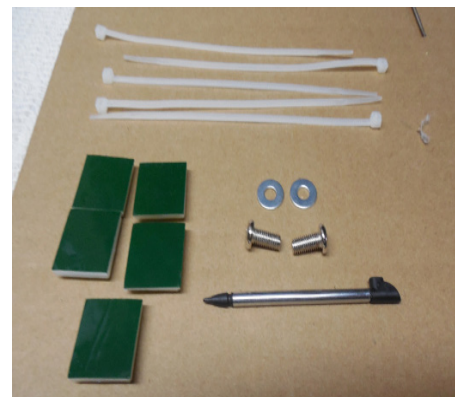
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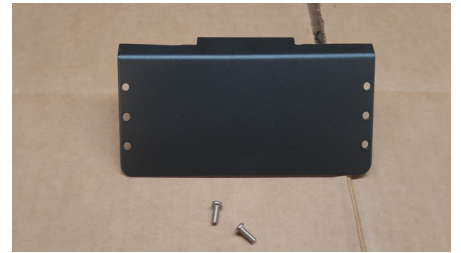
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Black belt Bracket, Black Belt,
Spacers



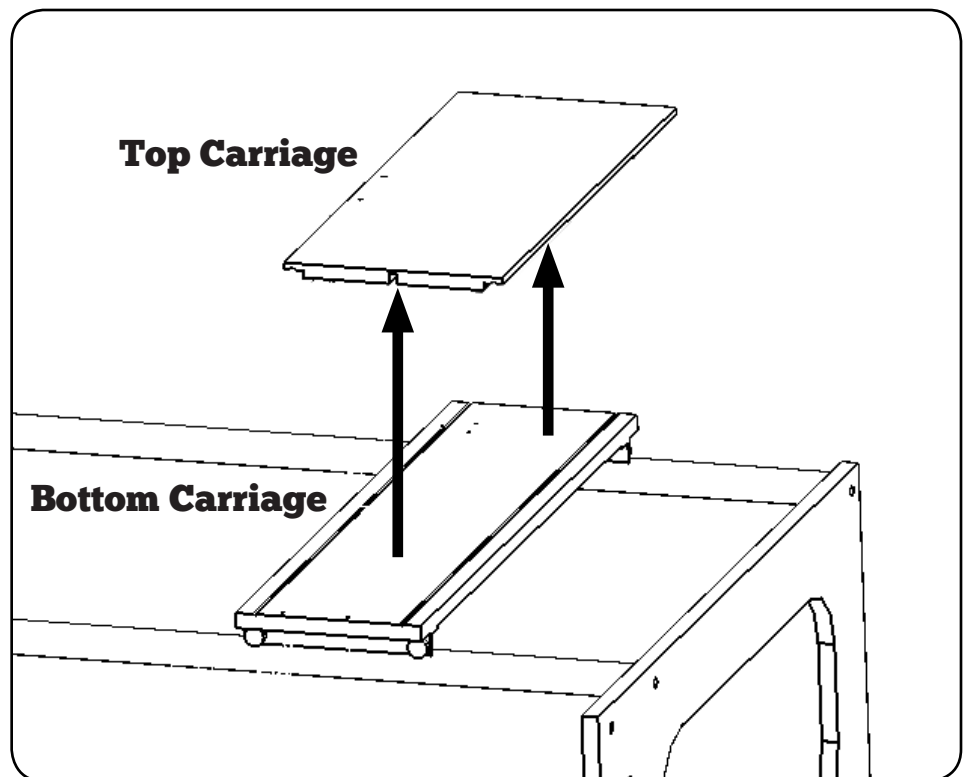
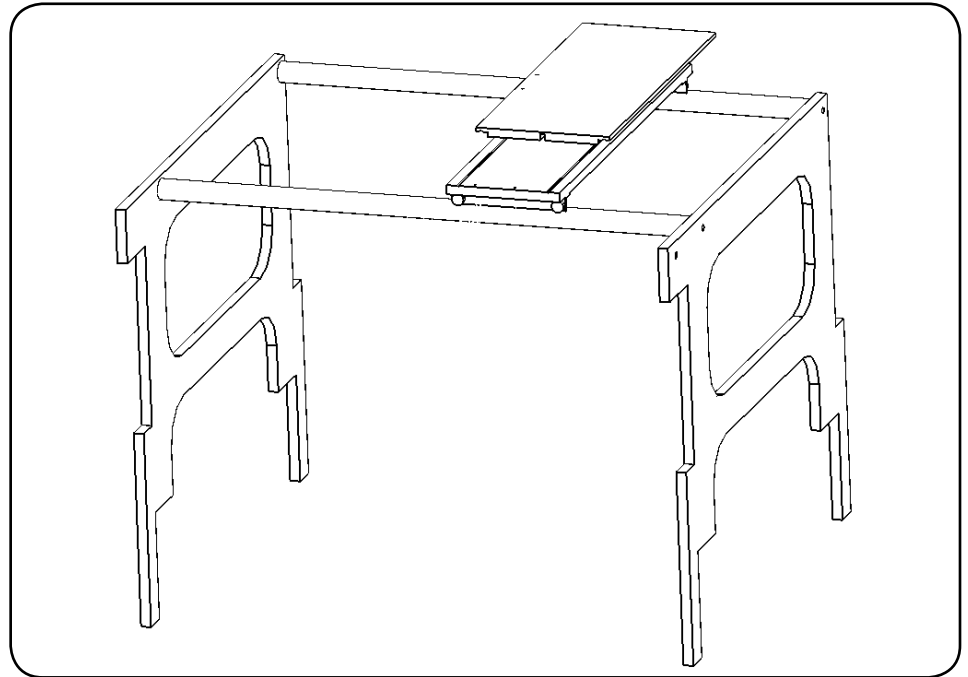
(not numbered)

Motor Box Bracket



Separate Carriages/Drill Templates

- 1** Separate the Bottom and top carriages and use the provided drill templates to mark the top and bottom carriages.

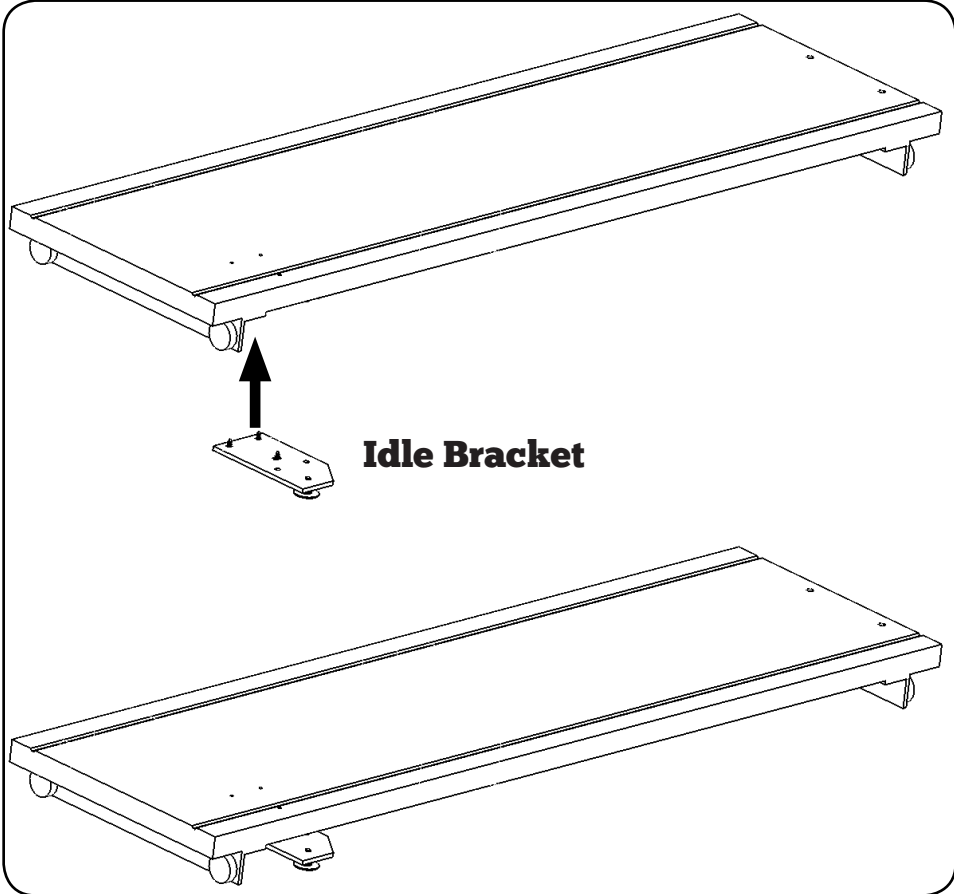


Rear Idle Bracket

1

Install Rear Idle Bracket into marked holes using provided screws.

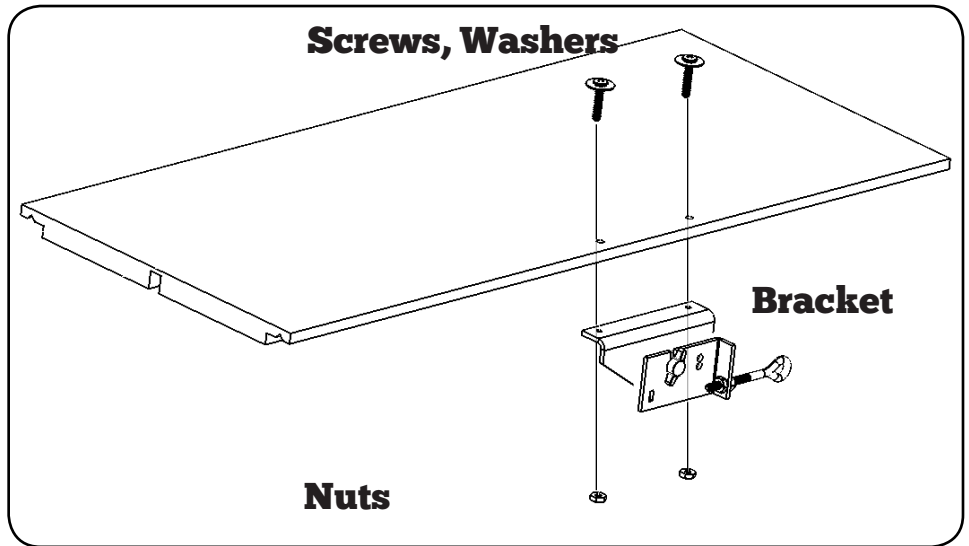
(Bag# 23)



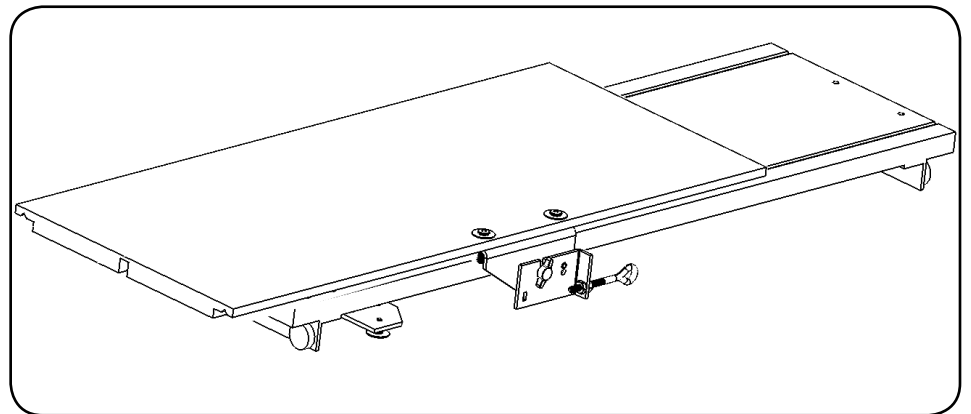
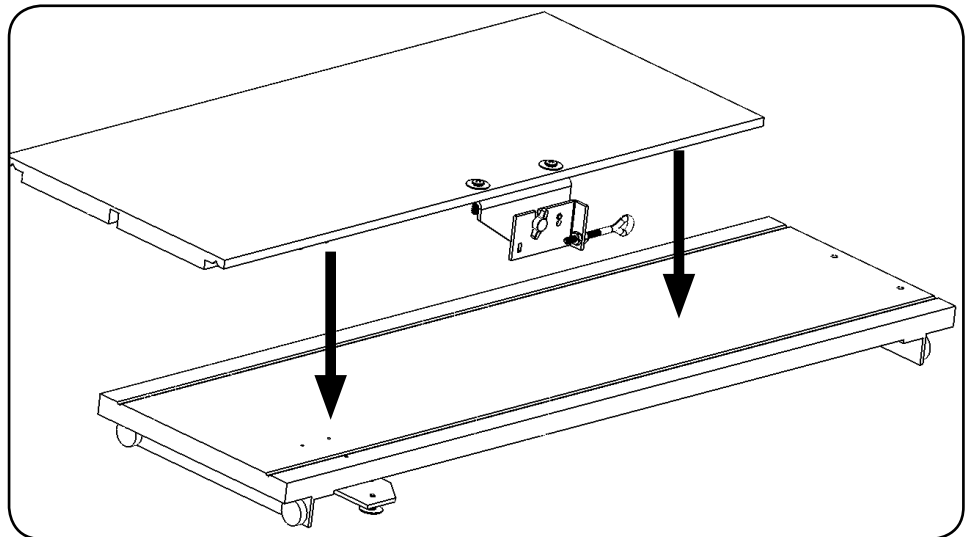
Black Belt Bracket

- 1** Attach the Black belt bracket to top carriage using the provided screws, washers, and nuts.

(Bag# 17)



- 2** Replace the top carriage onto the bottom carriage.

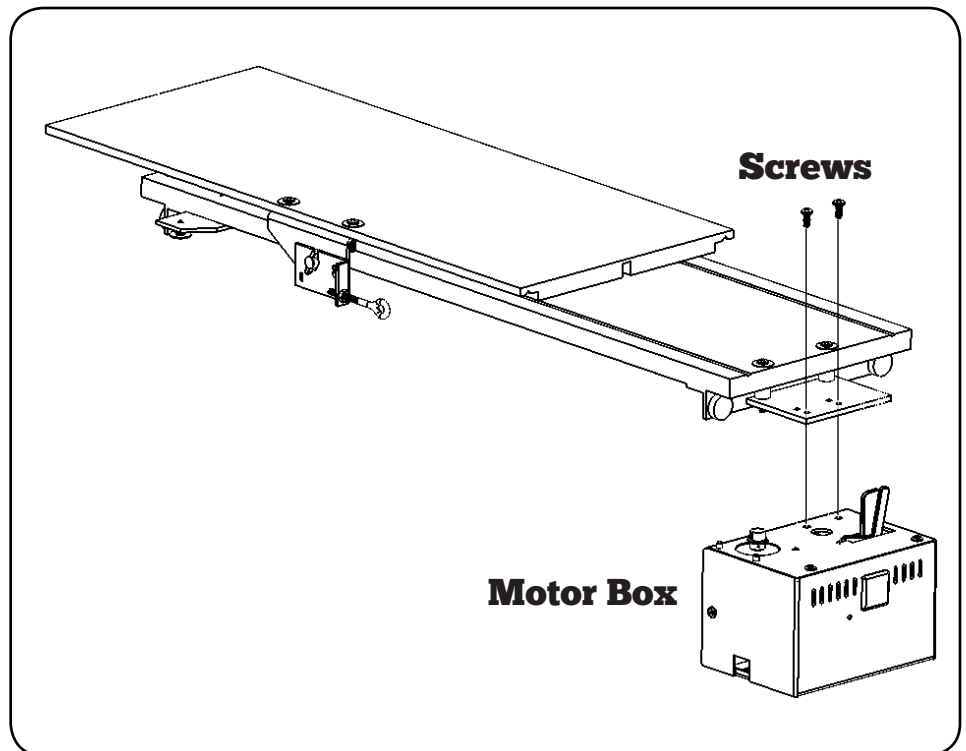
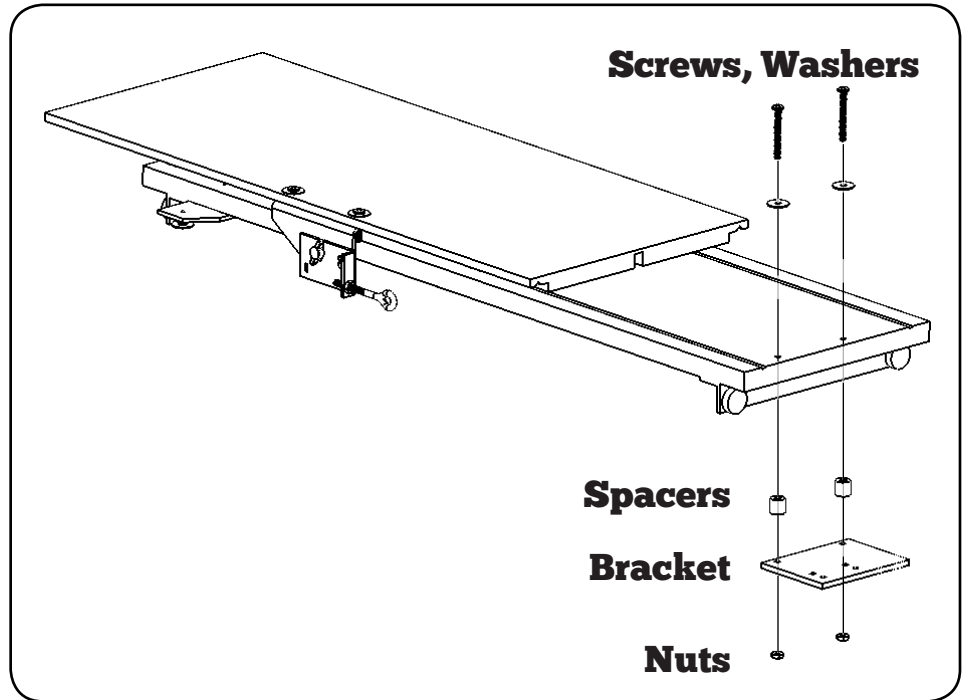


Motor Box and Bracket

3

Attach Motor Box Bracket to front of carriage using screws, washers, spacers, and nuts.

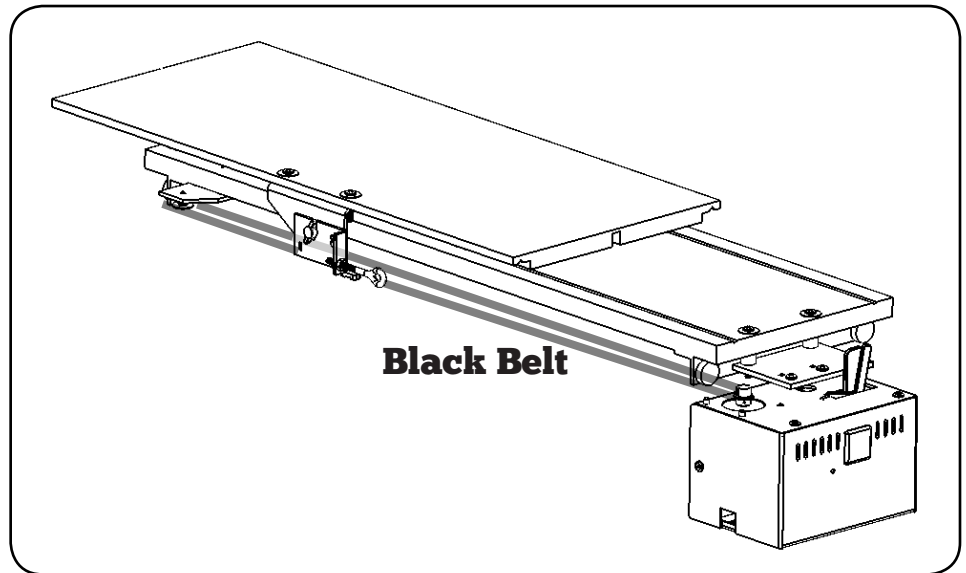
(Bag# not numbered)



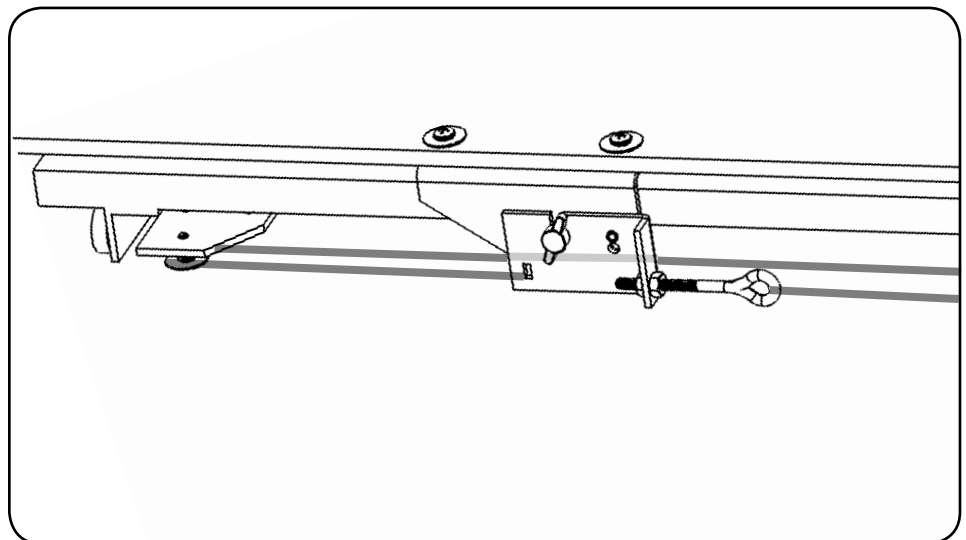
Black Belt

- 1 Attach the belt bracket to the carriage bracket with the winged crew and screw.

(Bag# 17)



See appendix A on page 14 for more on how to use belt clamps.



White Belt

1 To install the white belt, you will need to drill into the wood frame.

Slide the motor box as close to one end of frame as possible.

Mark where the eye-bolt will be level with the Motor Box Pulley. (The eye-bolt attaches to the belt that runs through the pulley.)

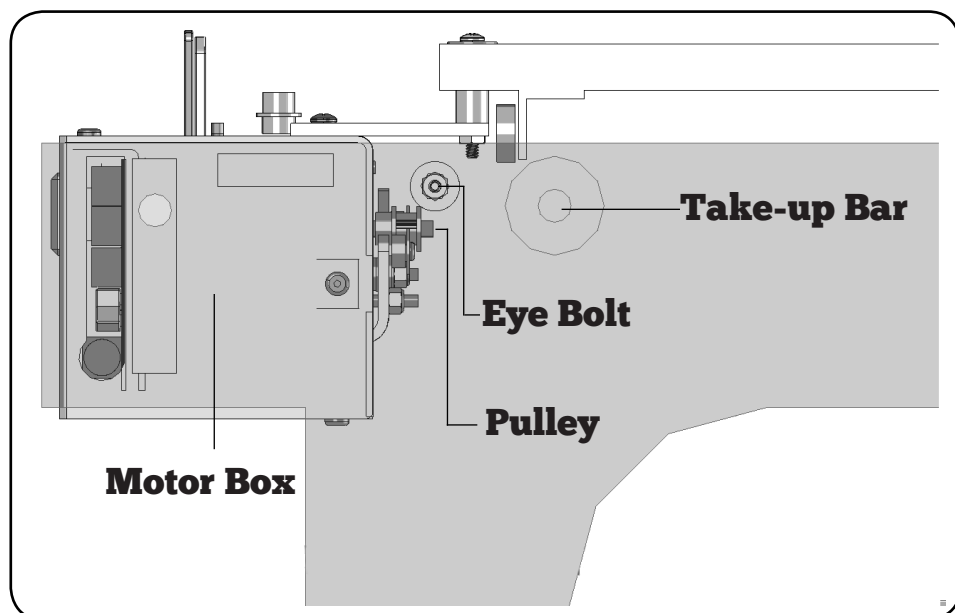
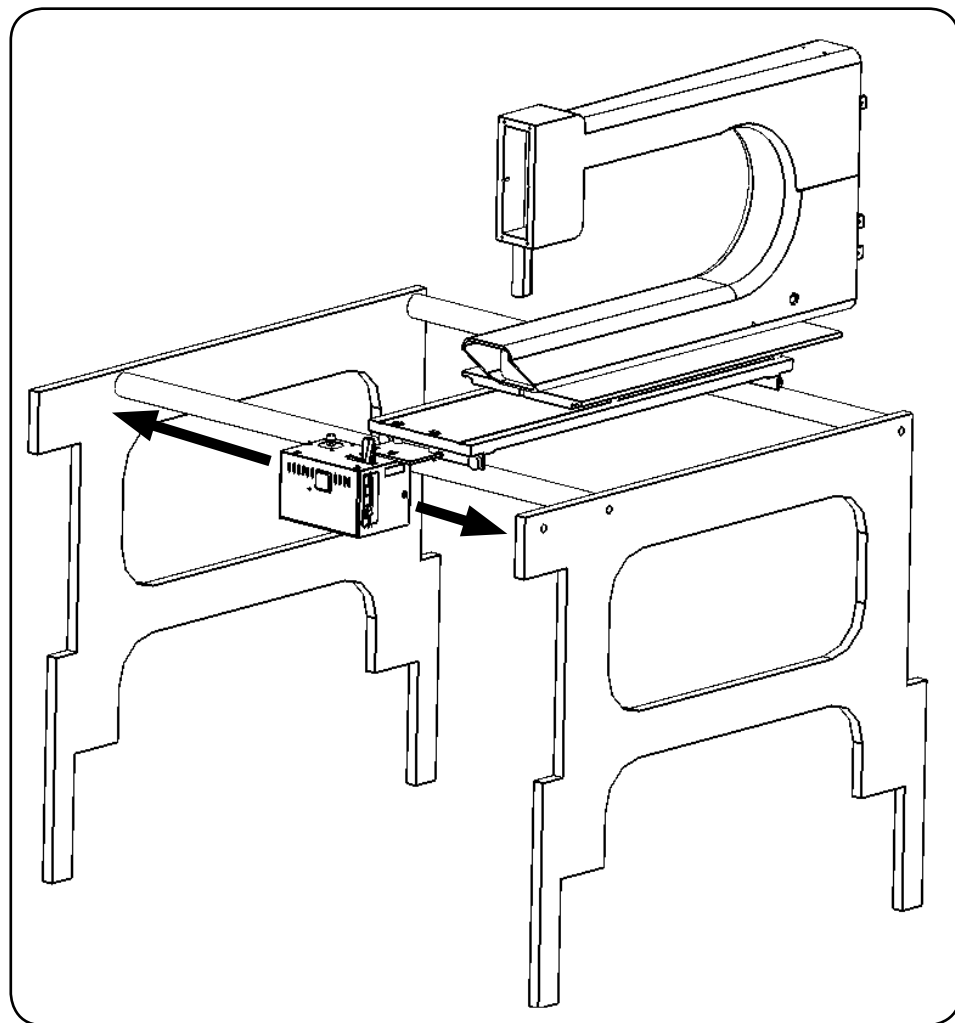
2 Drill a hole, then install the eye-bolt.

Attach the white belt to the eye bolt using belt clamps.

3 Repeat steps 1-2 for remaining side of frame.

(Bag# 11)

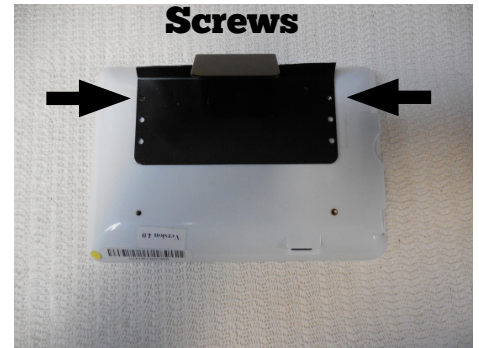
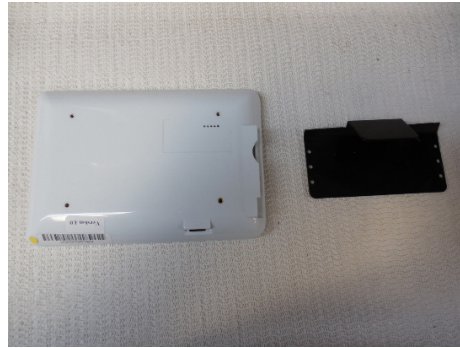
See appendix A on page 14 for more on how to use belt clamps.



Display

1

Insert SD card into display.
Attach display to display bracket with provided screws.



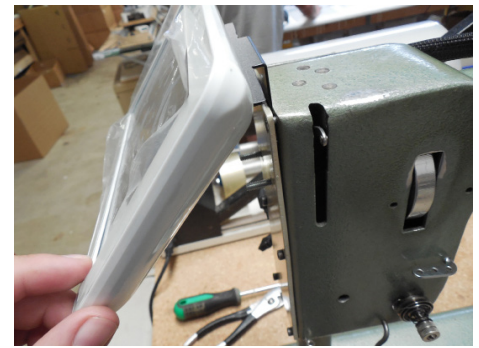
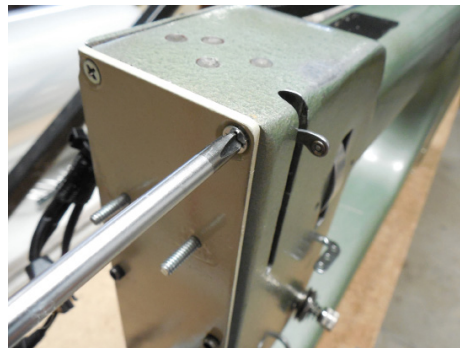
Install display onto the machine using the provided screws.

(Bag# 45)



2

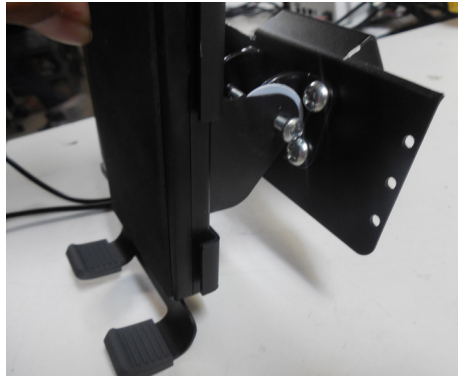
Loosen faceplate screws and slide display bracket tab between faceplate and machine head. Tighten faceplate screws.



10 " Display

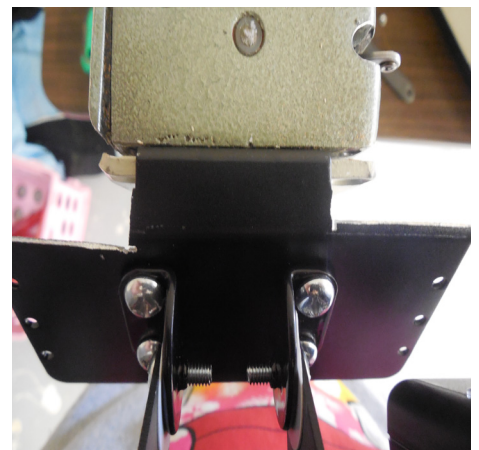
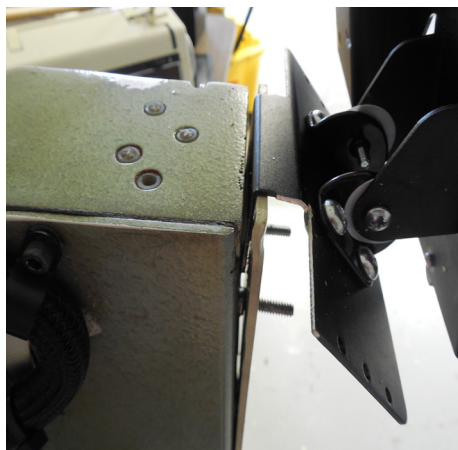
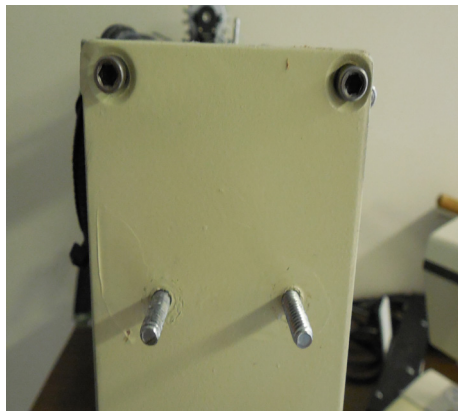
1

Mount the Display bracket onto the Tablet bracket using the provided screws.



2

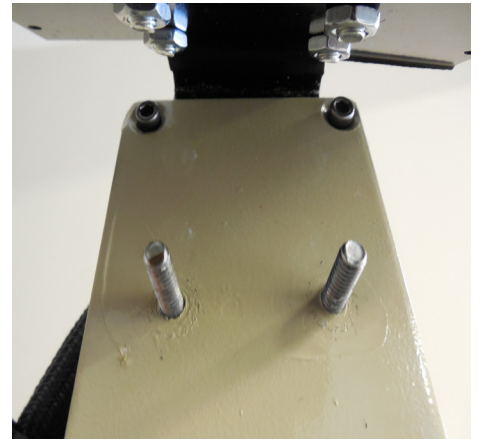
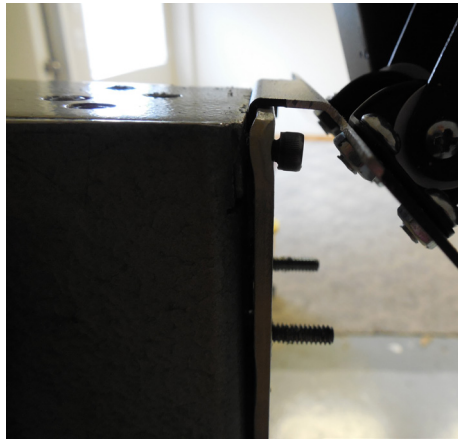
Loosen faceplate screws and slide display bracket tab between faceplate and machine head.



10 " Display

3

Once the bracket is slid in between the face plate and the machine head, go ahead and put the original screws back in place, Make sure the screws are in nice and tight.



For instructions on how to install your 10" Tablet onto the Tablet bracket please see the "Installing/ Troubleshooting Your Android Tablet" manual.

Connect Handle Bar Wires

For Standard Model

1

Unplug the right rear handle bar (pictured at right). Plug the handle bar wire into the start/stop wire.

Repeat on remaining rear handle bar using the other end of the Y connector.

Note: If your machine only has one rear handle bar wire as pictured at right, you don't need to connect the needle up (remaining) connector.

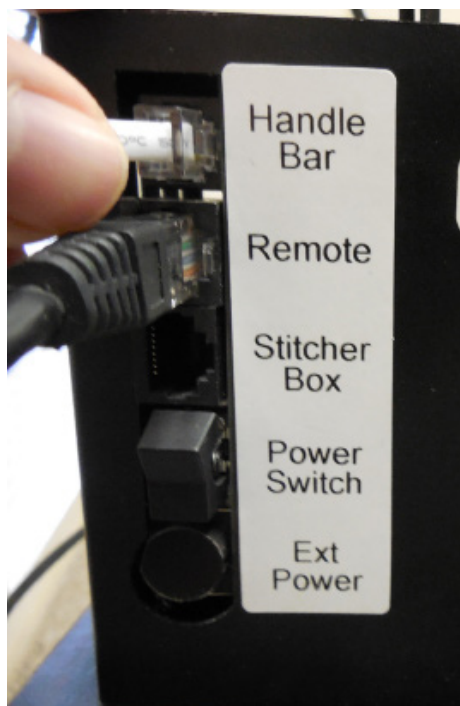
(Bag# 7)



2

Plug the Y connector into the handle bar port of the black motor box.

Plug the display wire into the display and the other end into the remote port of the black motor box.



For Pro Model

1

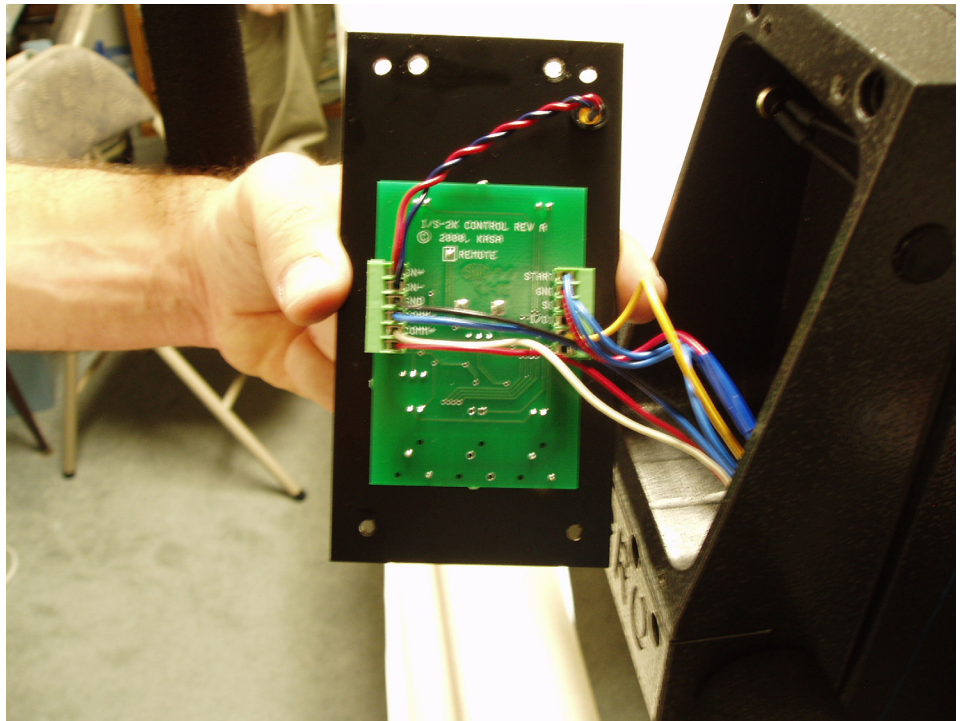
Remove the front faceplate of your stitch regulator.

Loosen screw for start, ground, and needle up.

Connect the handle bar wire ground, start/stop, and needle up into the “start,” “gnd,” and “needle up” of the faceplate.

With the wires connected, reattach the faceplate.

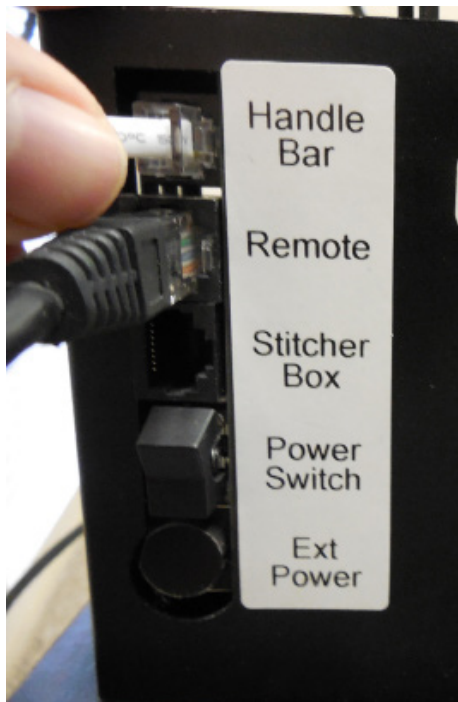
(Bag# 7)



2

Plug the handlebar wire into the handle bar port of the black motor box.

Plug the display wire into the display and the other end into the remote port of the black motor box.



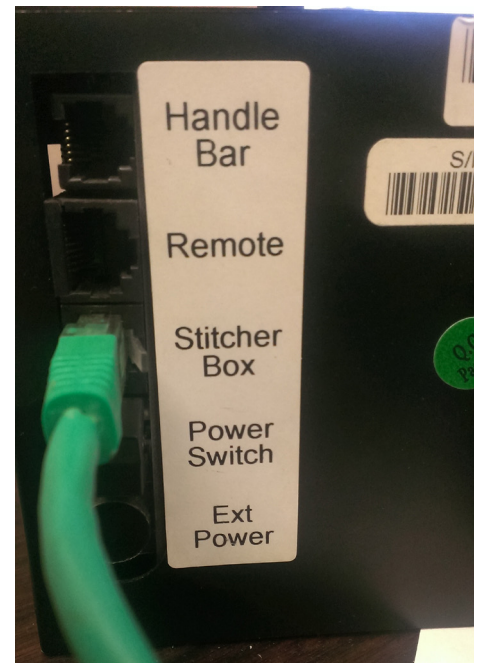
For Perfect Stitch

1

Plug the network cable into the Robotics Port of the Perfect Stitch Box.

Plug the remaining end into the Stitcher Box port on Butler.

(Bag# 7)



Run Cables

- 2** Use a zip ties and anchor to hold cables in place on the top of the machine and the side of the carriage. (Do not tighten zip ties until all wires are in place.)

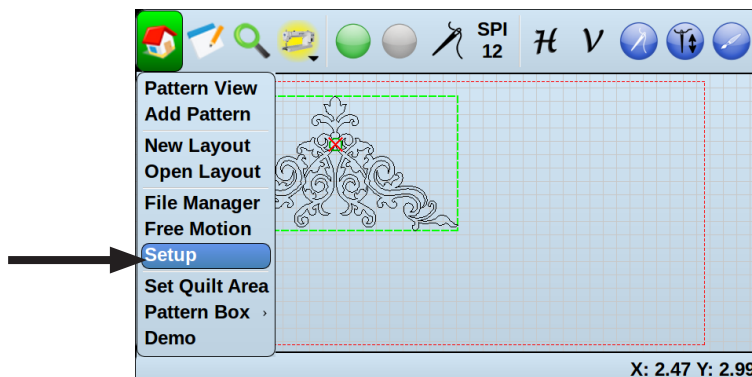
(Bag# 26)

Set Machine Type

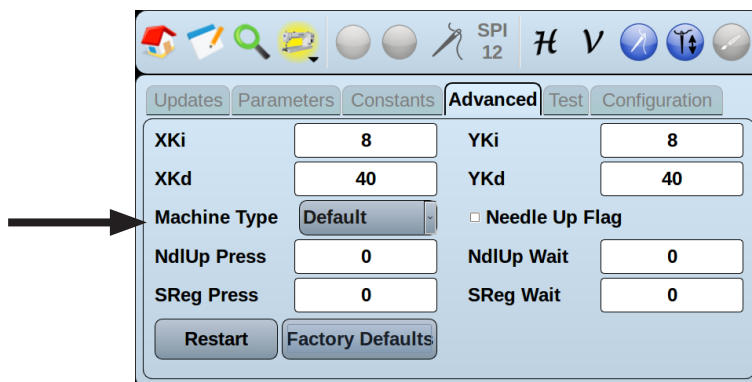
If you have a Quilt-EZ Perfect Stitch Regulator, then set your machine type to Default.

7" Tablet:

- 1** Power on the display, go to **Home > Setup**

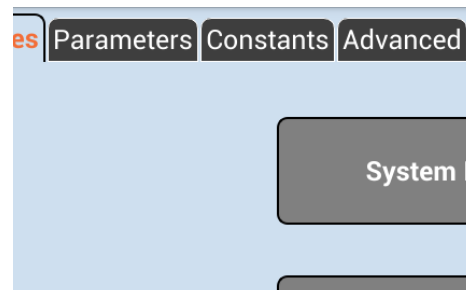
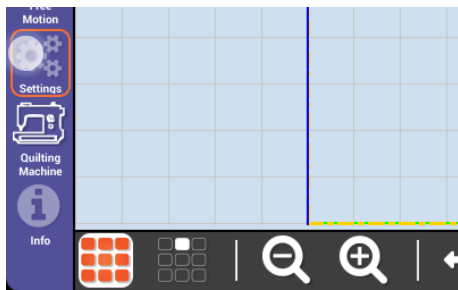


- 2** Go to the **Advanced** tab and set the machine type to **Nolting**.

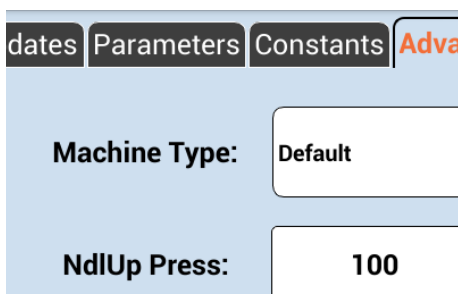


10" Android Tablet:

- 1** Power on the display, go to **Settings > Advanced** tab.



- 2** Select **Machine Type** and set the machine type to **Nolting**.



Check Belt Tension

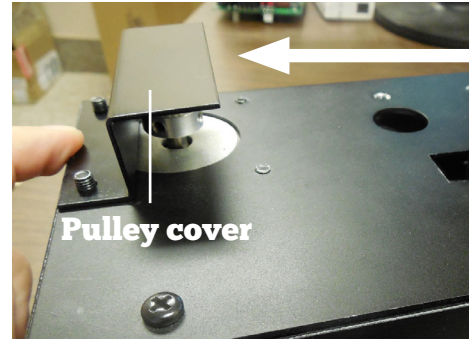
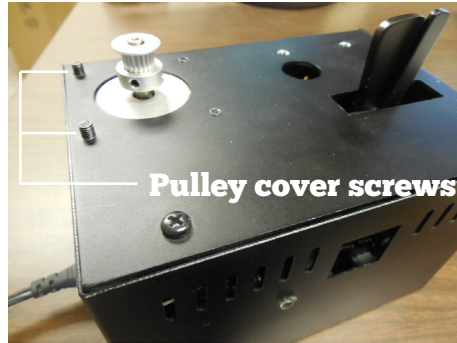
1 A correctly tensioned belt won't be as tight as a piano string but not sagging either. Aim for a taught belt.

Adjust belts as necessary.

Motor Pulley Cover (Optional)

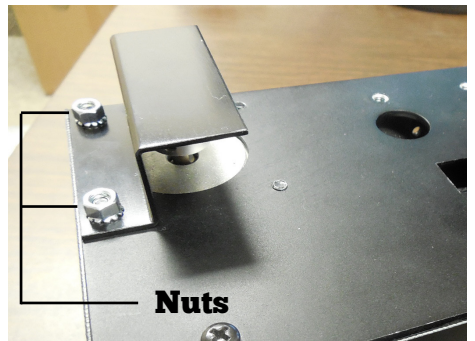
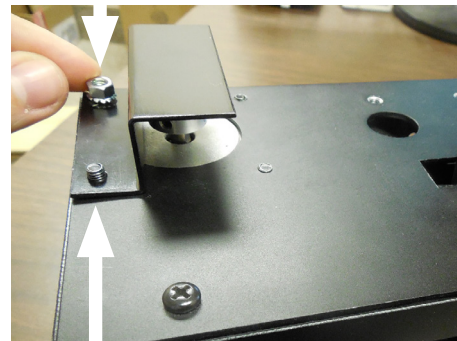
1

Place cover onto two screws near the top motor box pulley.



Tighten nuts onto top of screws to secure the Pulley cover.

(Refer to **Bag #28**)



What is the Pulley Cover for?

The Motor Pulley cover is an extra safety precaution to protect your fingers from getting entangled in the belt.

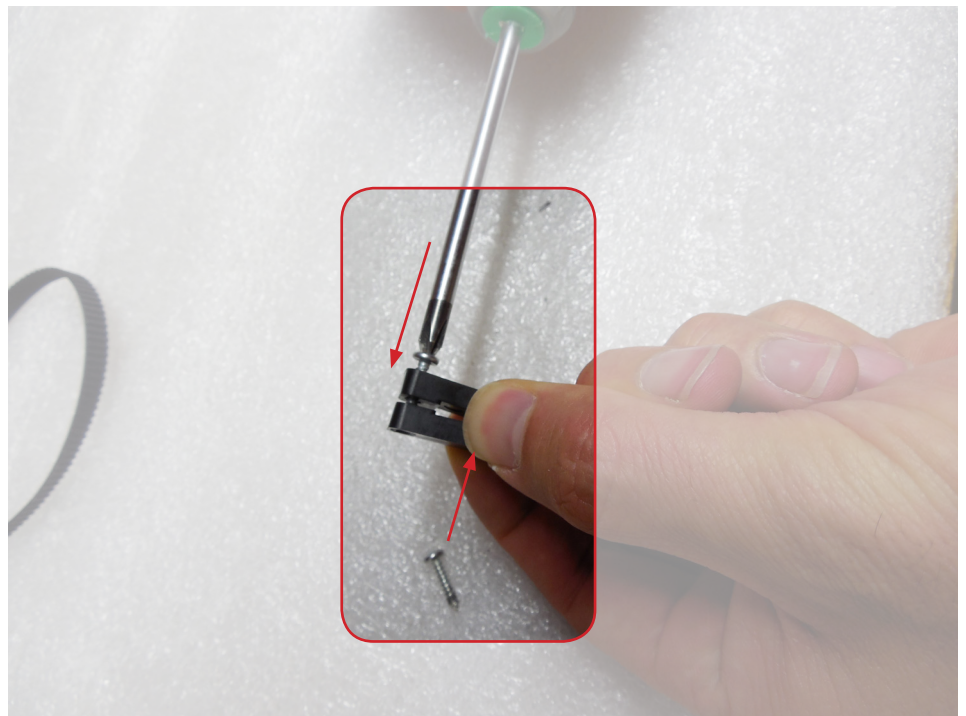
We recommend it is installed after all your belts are installed and connected to the pulleys.

Appendix A - How to use Belt Clamps

A belt clamp consists of two clamps and two screws.



- 1** Using a Phillips screwdriver, insert each screw on opposite sides of the clamps and tighten halfway.



2

Thread the belt between the clamps, loop it around and reinsert it between the clamps.

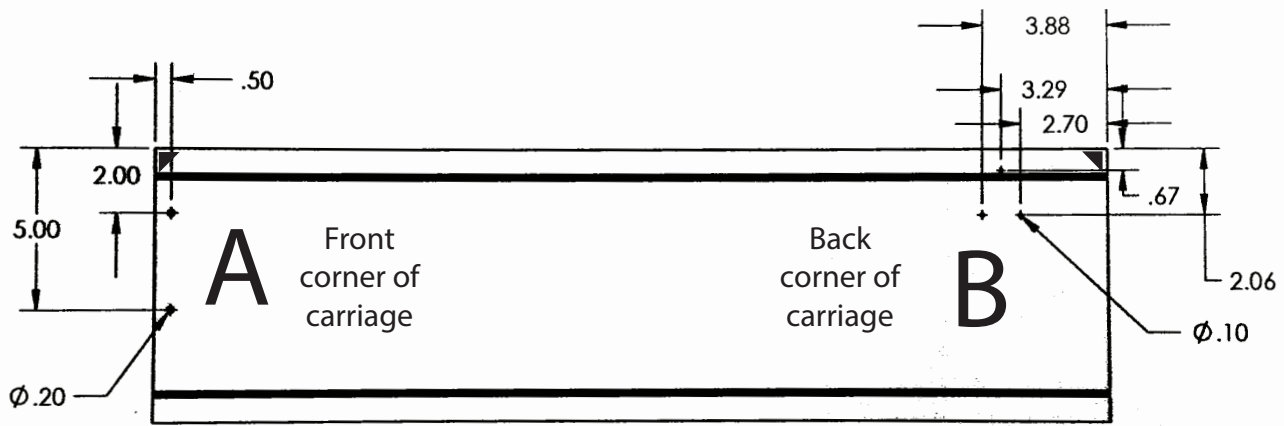


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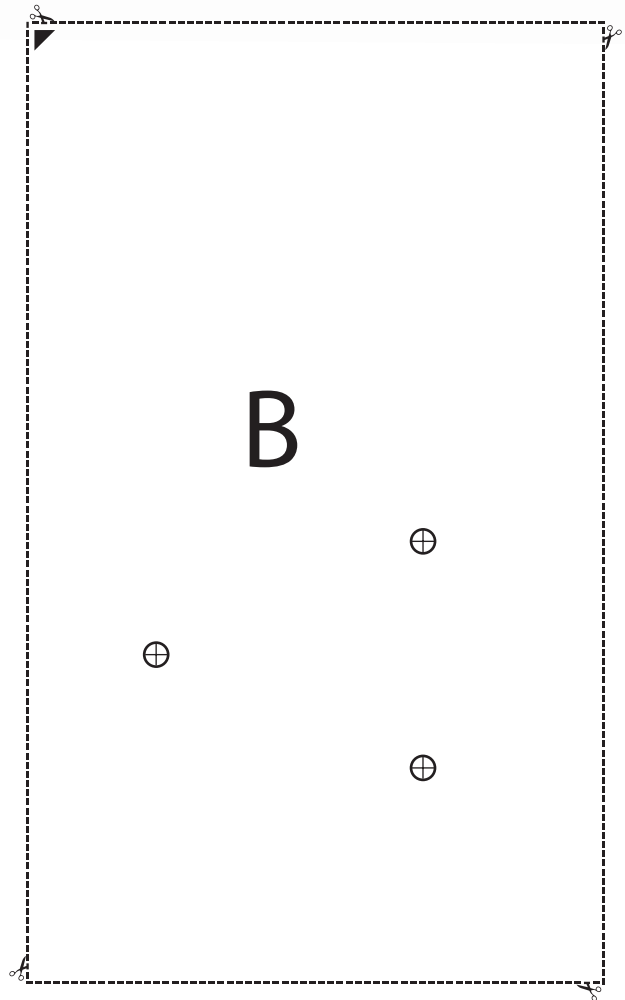
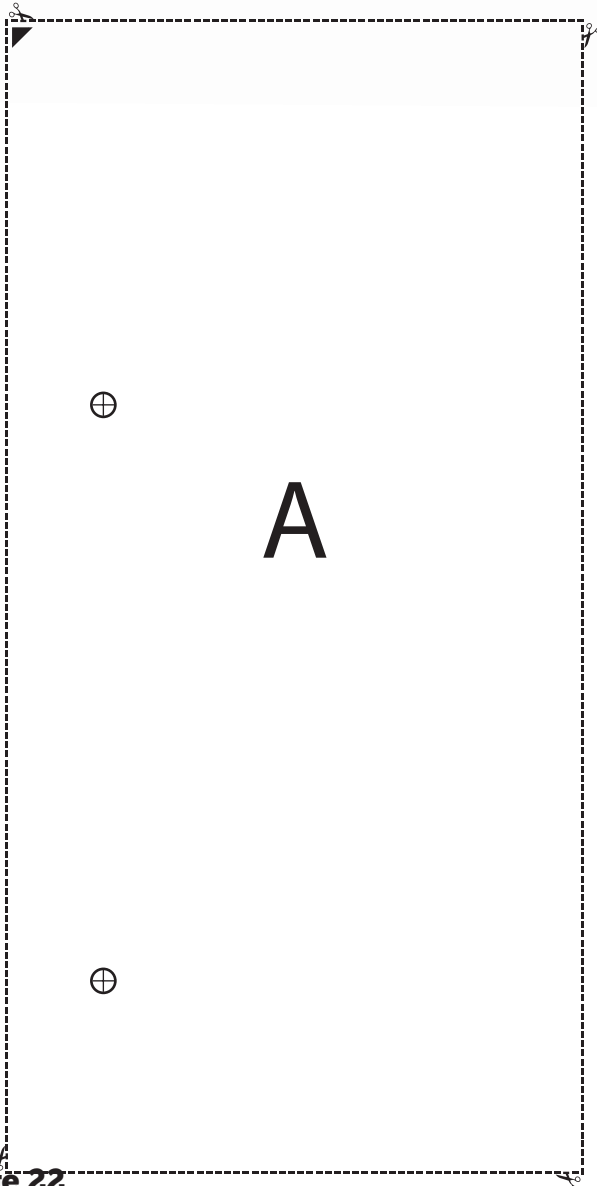
Align the belt teeth, then finish tightening the clamps.



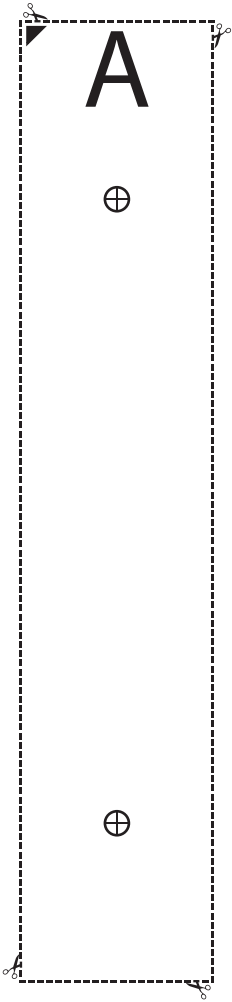
X Carriage Stretch Frame (Top View)



Line up the  corner of the template with the  corners shown above.



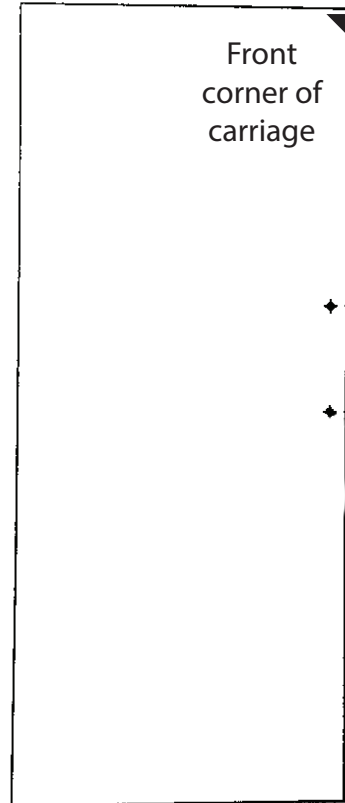
BACK LEFT INTENTIONALLY
BLANK



Step 1 - Cut out template at left.

Step 2 - position this page face up on carriage so that the top right corner is flush with the front right corner of the carriage.

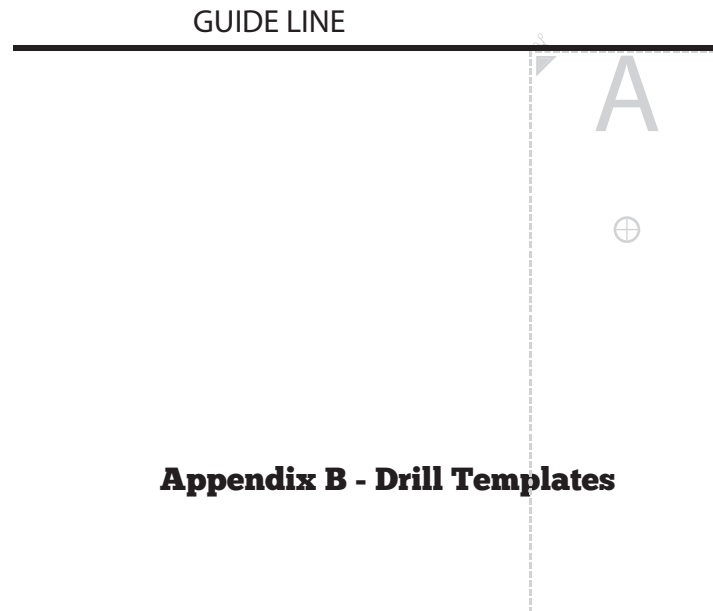
Y Carriage (Top View)



Step 3 - Position Template cutout from Step 1 so that the top edge is flush with the guide line and the right edge is flush with the edge of this page.

OR

Measure 9 inches from the top edge 1/2 inch from right edge and mark hole. place template, and mark other hole.



BACK LEFT INTENTIONALLY
BLANK



Still need help?

Visit quilt-ez.com to learn how to contact us and find additional help material.



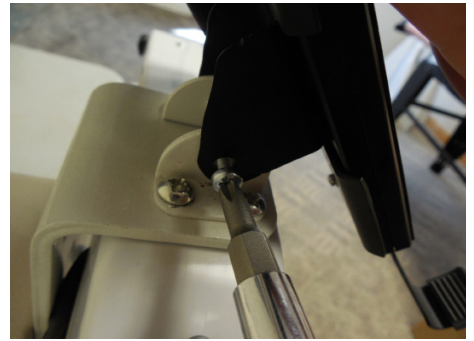
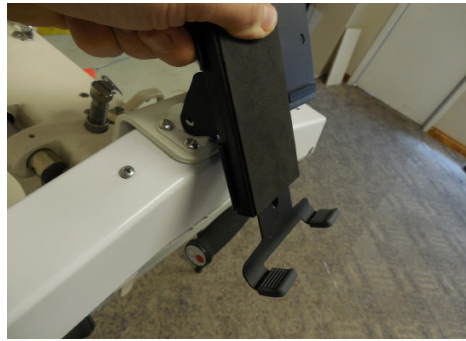
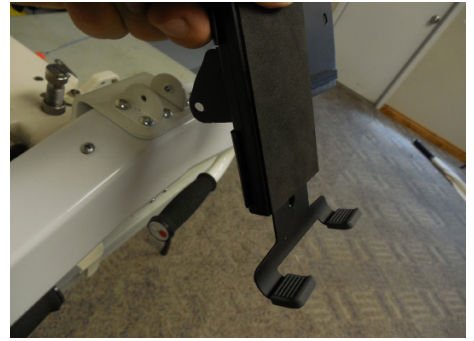
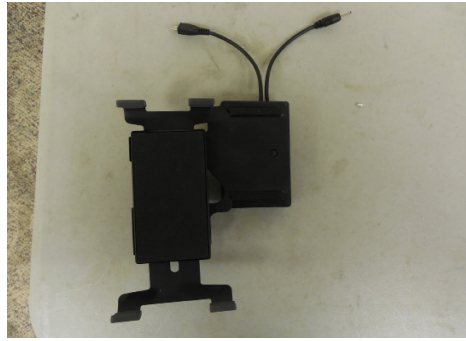
Installing/Troubleshooting your Android Tablet

Contents

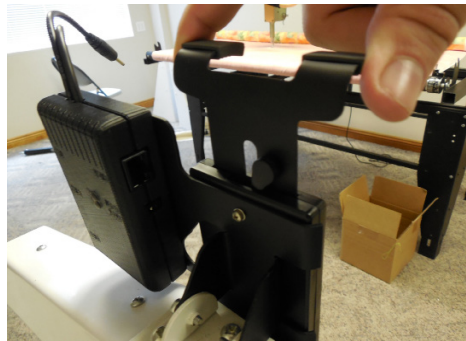
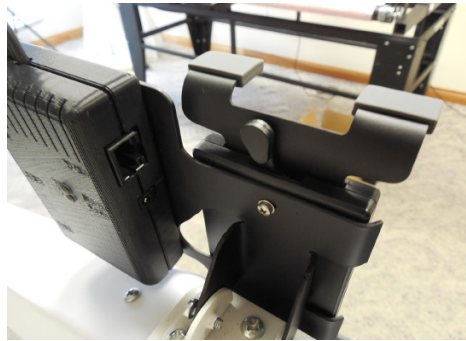
Page 1	Install onto quilt machine
Page 5	Power on tablet
Page 6	Unlock screen, open/close apps
Page 8	Update the software
Page 9	Troubleshooting

Install Display

- 1** Line up display holder with handle bar brackets and install with provided screws.



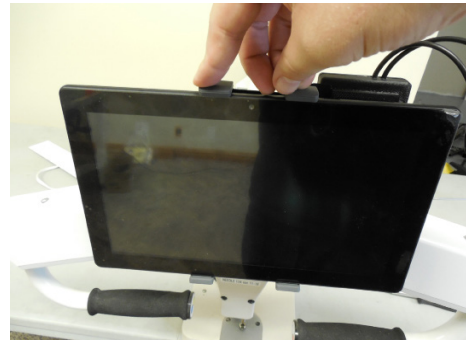
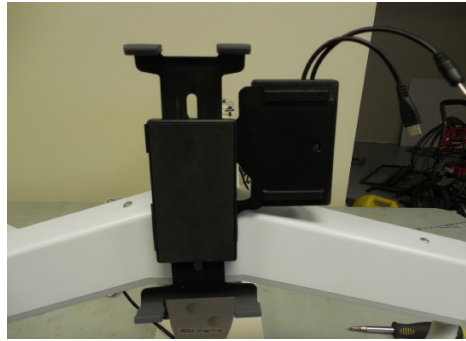
- 2** Unlock clamp from back of display holder and raise clamp.



3

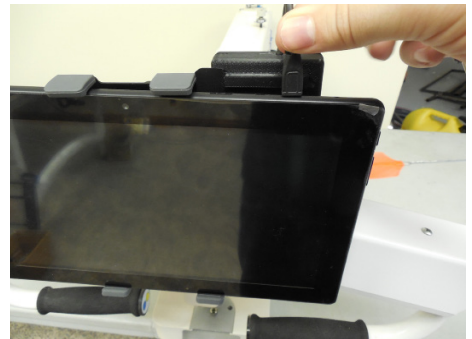
Position tablet in clamps, camera side up.

Lower clamps and tighten in place.

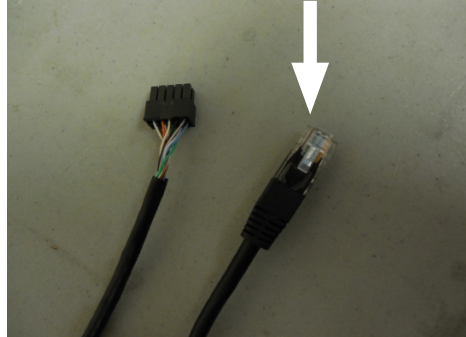


4

Lock clamps back in place and plug in wires to the DC IN and OTG ports.



5 Plug the Ethernet end of the black cable into the display junction.



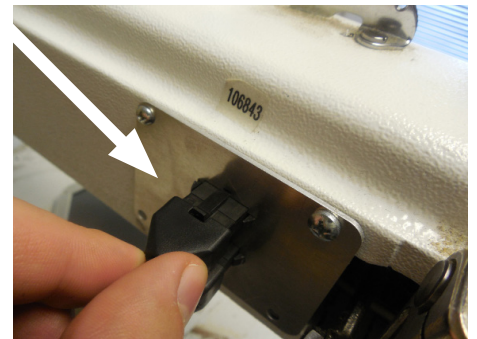
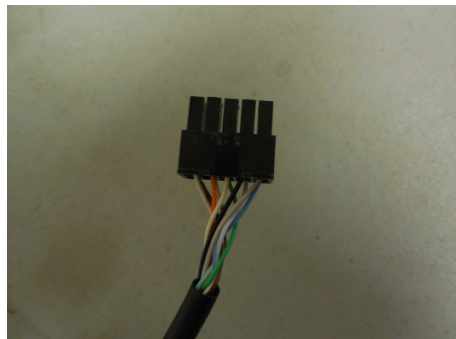
For Robotics Only:

Plug the ethernet end of the black cable into the Remote port on the Black Motor Box.



For Tin Lizzie Machines:

Plug the remaining end of the wire into the side port near the front of the Tin Lizzie machine.



For Upgraded Machines:

Adding robotics to a machine that was just upgraded:

Complete step 5 above.

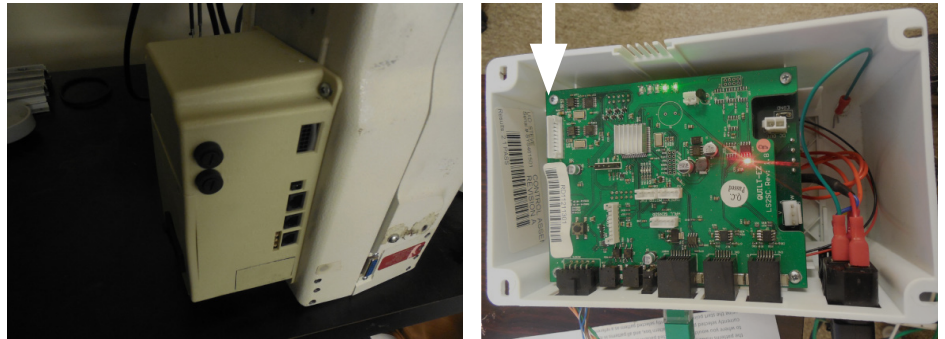
(The cable should be located near the head of the machine where the display mounts.)



Adding robotics to a machine that has already been upgraded:

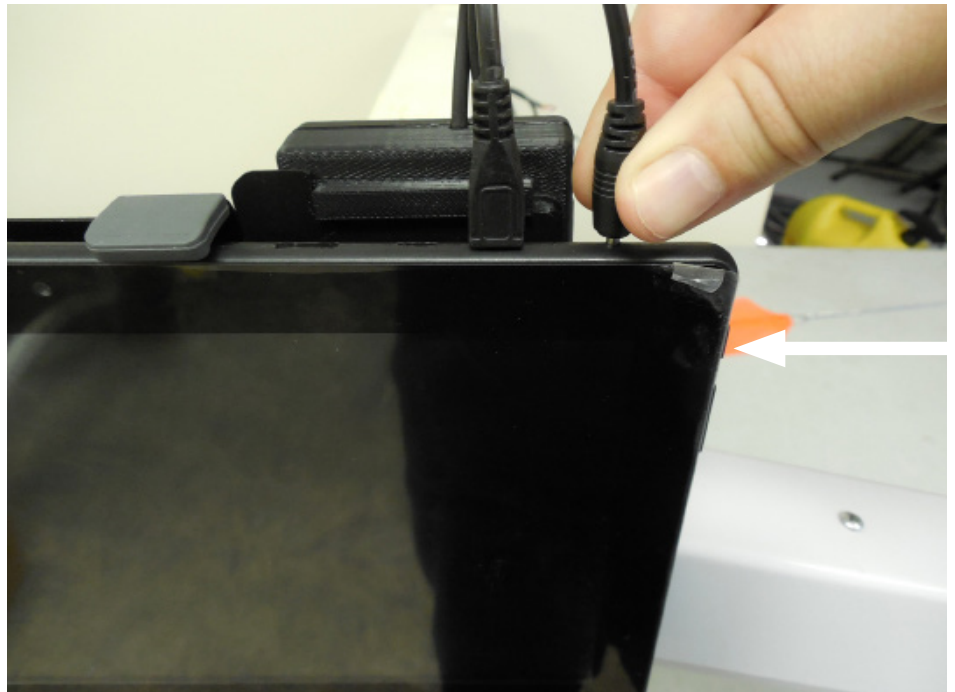
Remove the rear PCB box, and connect the remaining end into the indicated remote port.

(Route the cable internally if possible.)



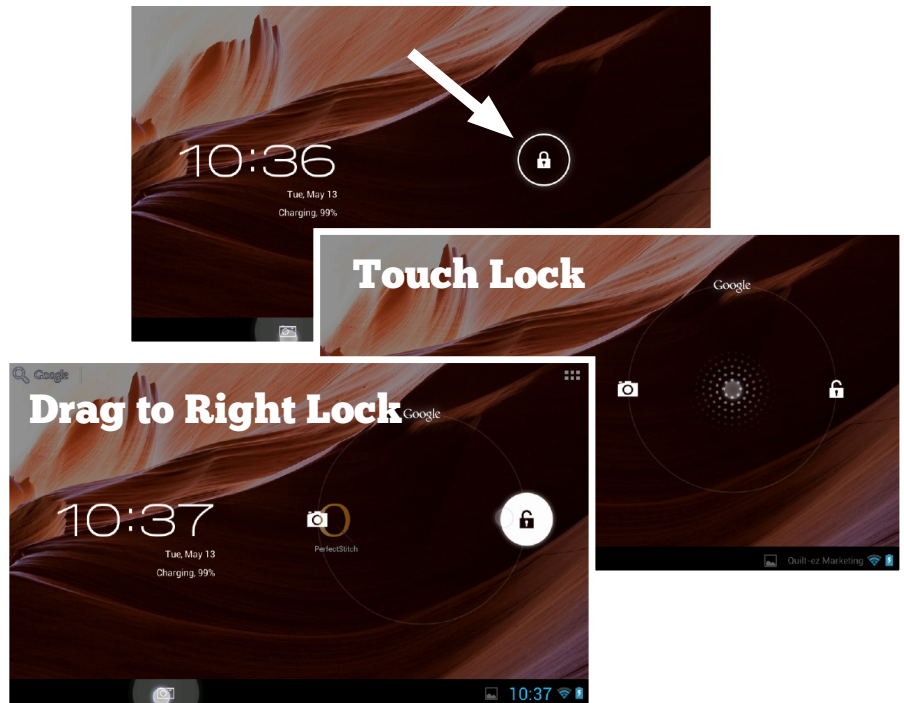
Power on Tablet

- 1** Press the power button on the top right corner to power on the tablet.



Unlock The Screen

- 1 Press and hold on the lock icon, then drag your finger to the right lock icon and release.



Open an App

- 1 Press the apps button in the top right corner and select the app you would like to boot.

(Swipe your finger left and right on the screen to navigate to the desired app.)



Close an App

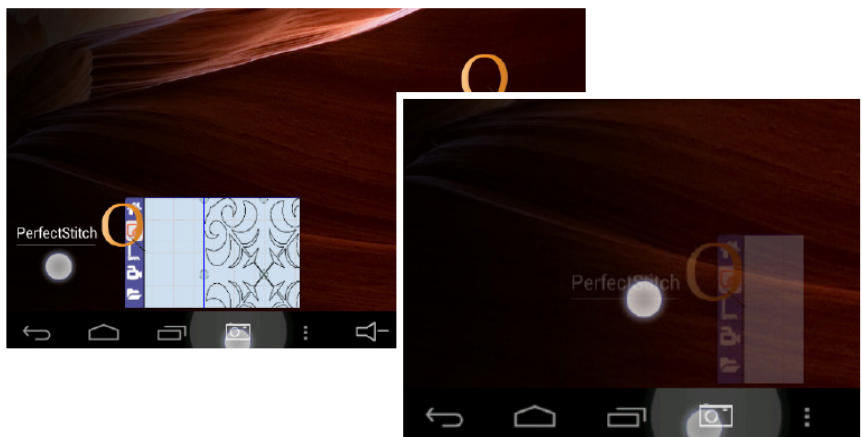
1 While on the home screen, press the recent apps icon.

A list of currently running apps will appear.



2 Press and hold onto an app, then drag it to the right until it is no longer visible.

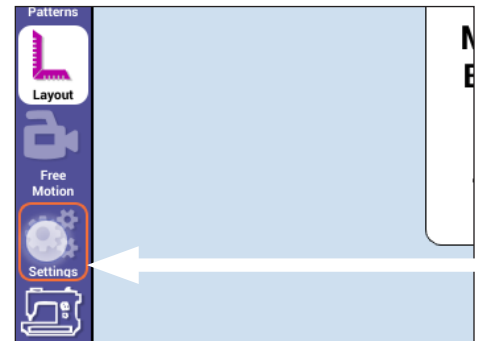
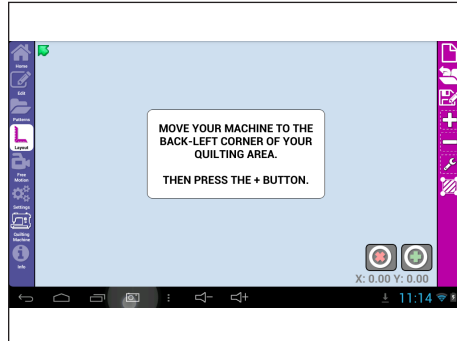
The app has now been closed.



Update the Tablet

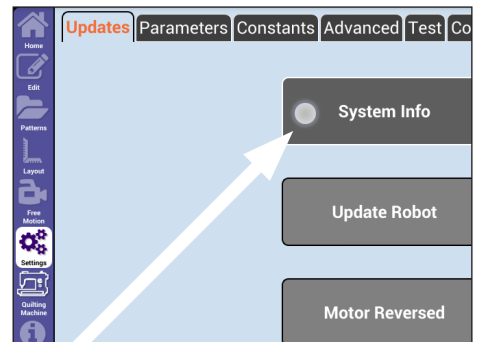
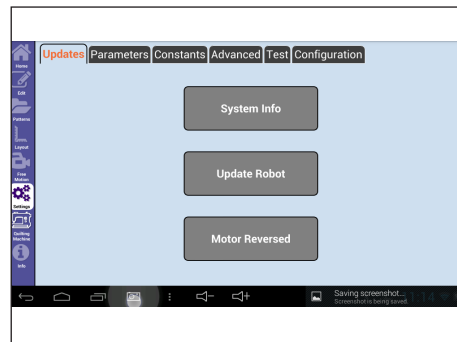
1

Press the Settings Button from the main menu.

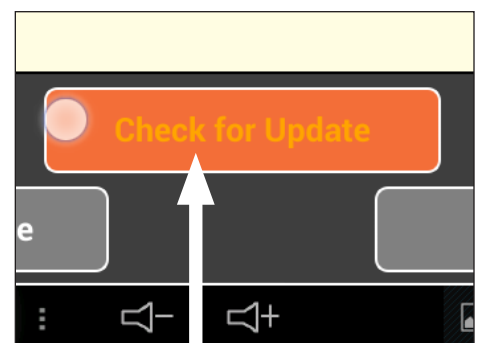
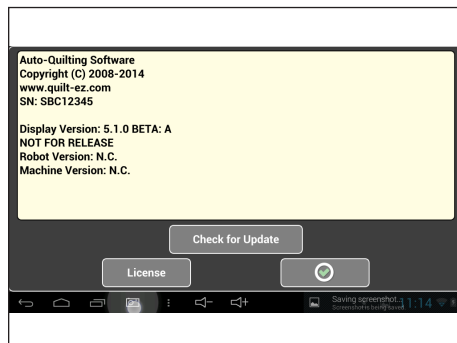


2

Press the 'System Info' button.



Press Check for update.
A button will appear that you can press to update the machine.
Press this button to update.



(If the display is already up to date, you will see the message indicated at right.)



Troubleshooting

Symptom	Possible Problem	Solution
I'm losing communication with the USB	When the tablet is powered on/off several times in a row, it can cause communication issues.	Press and hold the power button on the side of the tablet. Shut down the tablet. Once completely shut down, restart the tablet.