



**How to attach Butler
Robotics to a Handi
Quilter Clamp Frame**

Bag

Contents

Picture

60

Front Carriage Bracket & Screws



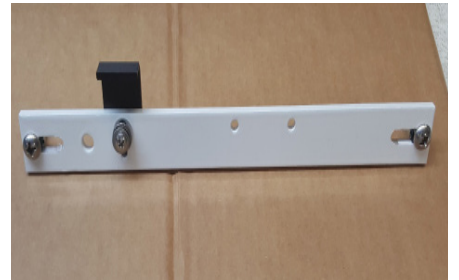
59

Black belt Bracket, Black Belt, Belt brackets



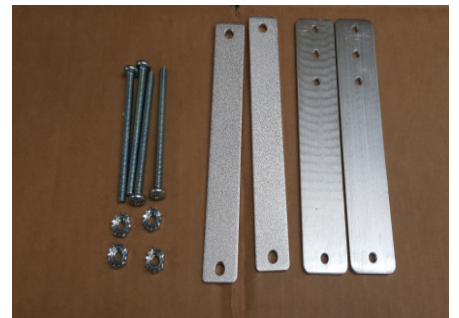
61

Rear Idle Bracket



29

White belt brackets



Bag #

Contents

Picture

28

Motor Pulley Cover



62

Wires



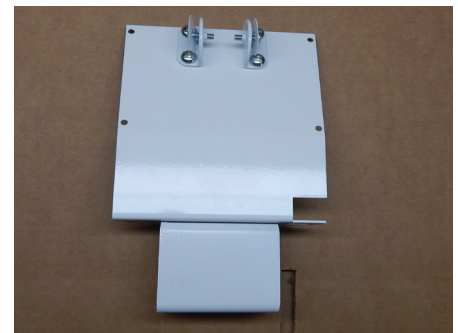
13

White Belt, eyebolts, belt brackets



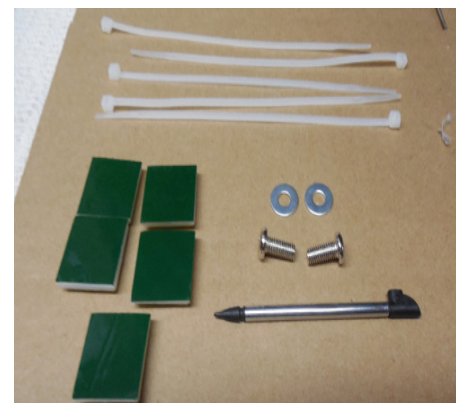
85

10" & 7" HQ bracket with spacer



26

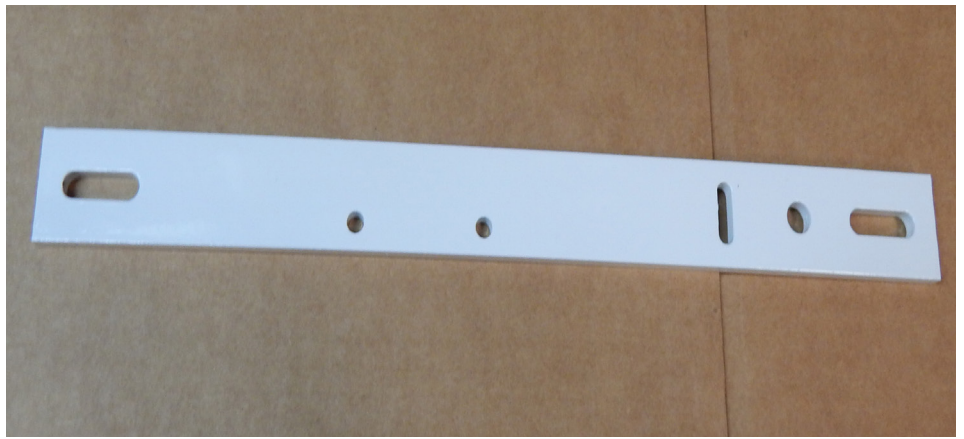
Stylus, zip ties, anchor



Attaching Motor Box

- 1** You will be using the Motor box bracket as a guide to mark the holes that will need to be drilled into the front carriage of your machine.

Align the bracket corner to corner onto the carriage. Once aligned correctly mark the 2 holes you will need to drill using a pencil or marker.



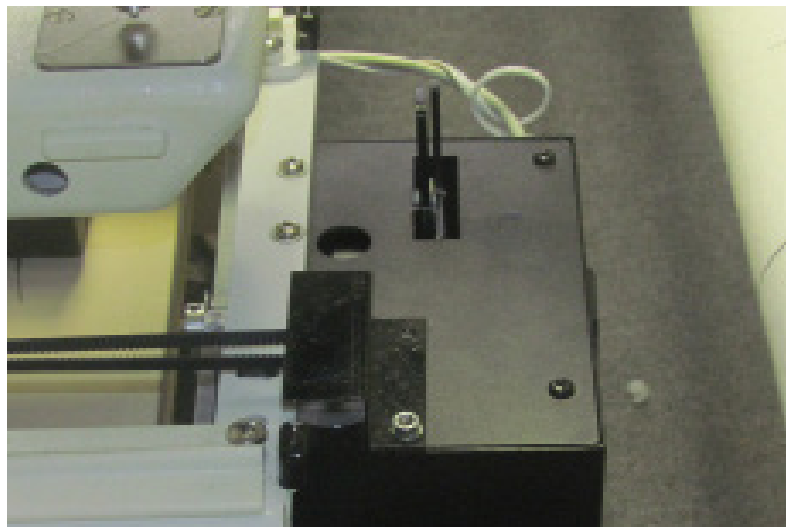
- 2** You will be attaching the Motor box bracket to the Motor box using the **(2) M5 x 20** screws that are provided in the hardware bag listed below.



Bag# 60

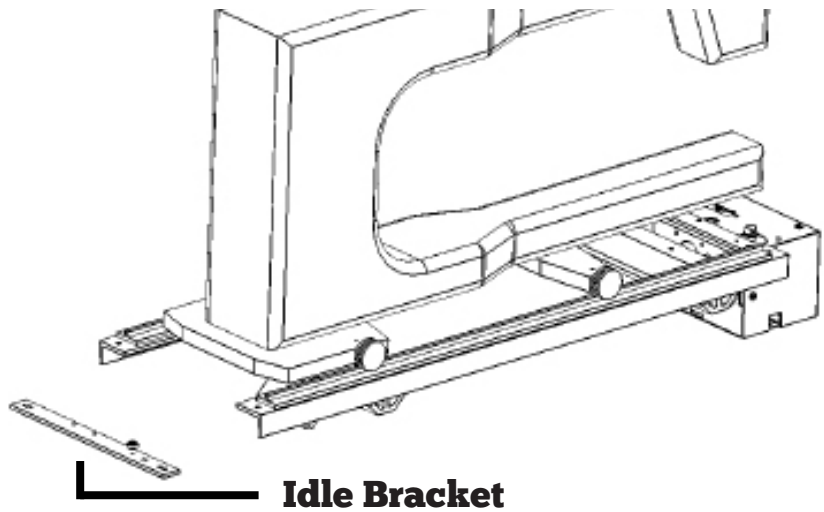
- 3** You will need to move the track forward $3 \frac{1}{2}$ " otherwise your Motor box will be hitting up against the table when in motion.

Attach the Motor Box bracket to the front end of the carriage using the **(2) 1/4-20 x 1" screws.**



Attaching Rear Idler Bracket

- 1** Using the Rear idler bracket, align it corner to corner on the rear end of the carriage. Once aligned mark the 2 holes that will need to be drilled to mount the bracket.



- 2** You will attach the Rear Idler Bracket to the back end of the carriage using **(2) 1/4-20 x 1" screws** that are provided.

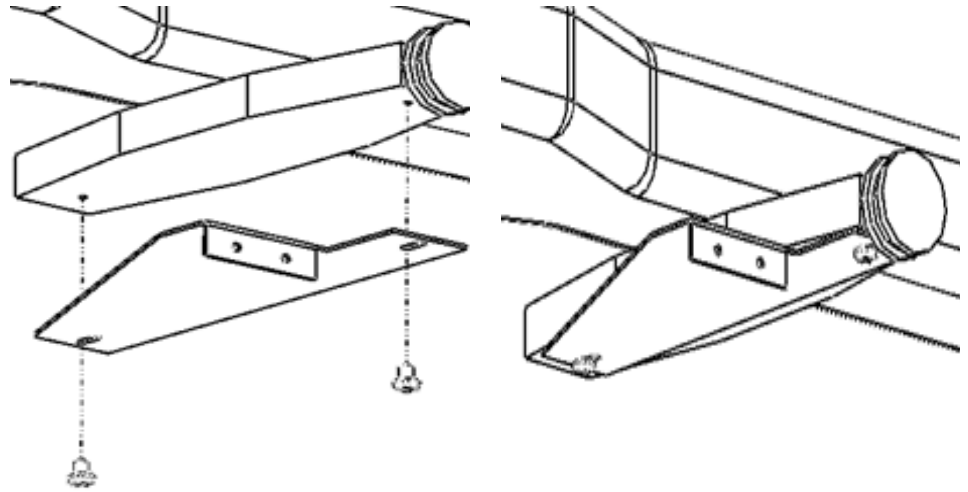
Bag# 61



Attaching Carriage Bracket

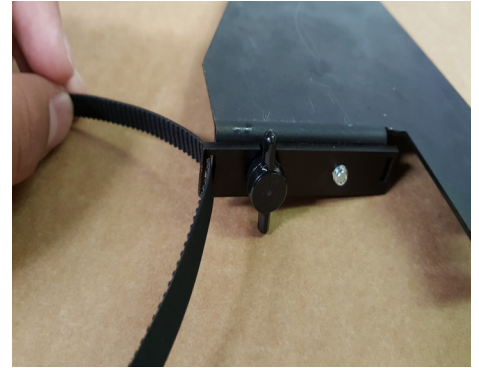
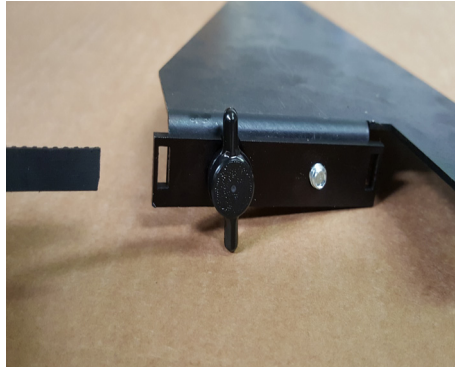
- 1** You will be attaching the Carriage bracket to the bottom of the wheels of the machine using **(2) 10-24 x 1/2"** screws that are provided.

Bag# 59

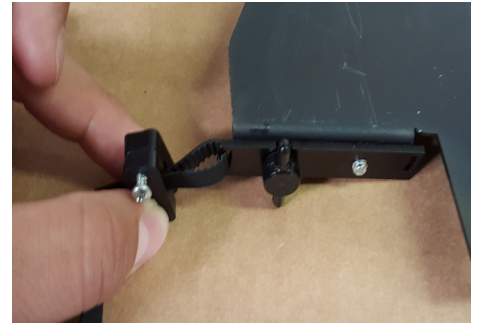


Attaching Black Belt

- 1** You will attach the black belt starting at the center of the machine, you will be connecting it to the carriage/belt bracket previously installed.



- 2** Slide one end of the belt through the slit on the belt bracket, pull it through and tighten it down using the belt brackets that are provided.



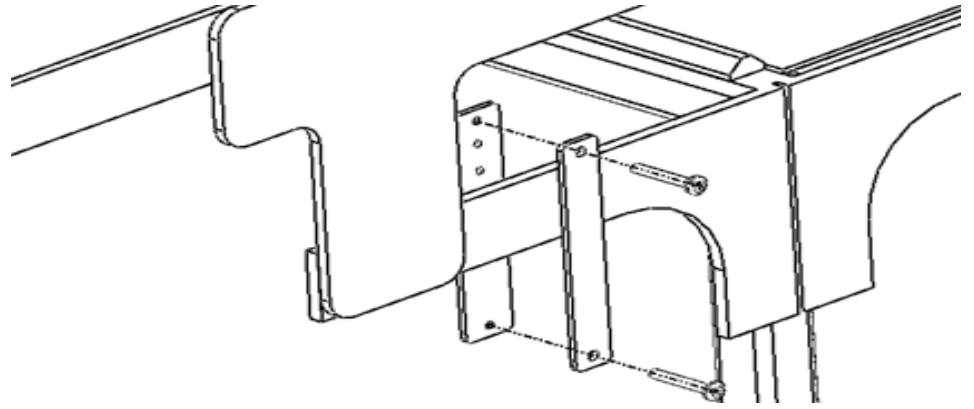
- 3** Once the belt has been attached to the carriage bracket bring the belt up and wrap it around the Motor box pulley, make sure that the belt wraps around in a **counter clockwise rotation.**



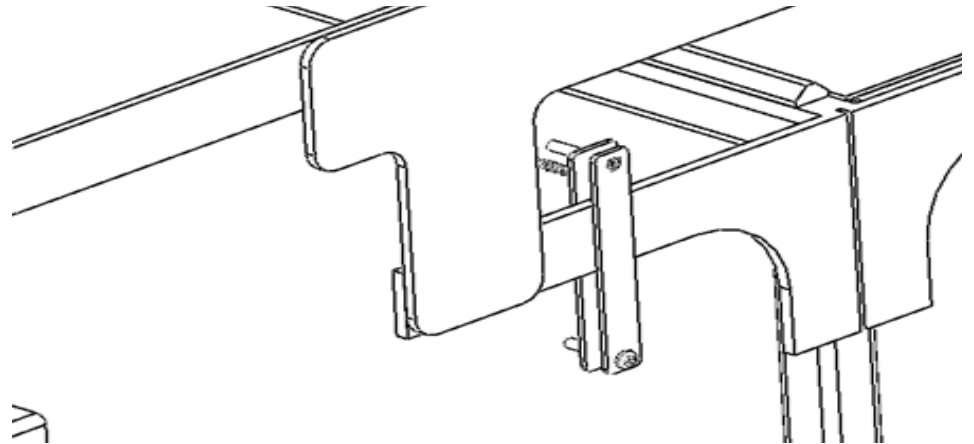
Different pictures may be used to give a better explanation.

Attaching White Belt

1 You will attach the Frame Belt Brackets to the frame using the **(2) M5 x 35mm screws** that are provided.

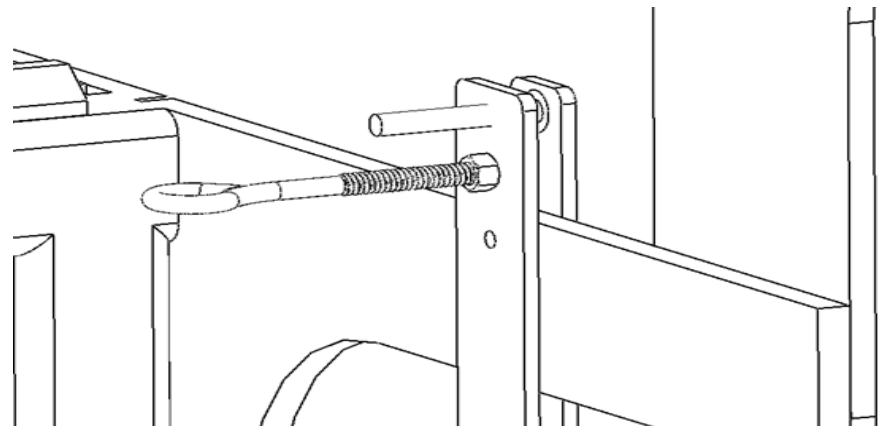


2 Be sure to attach the eye bolts to each set of frame belt brackets prior to installing them.



3 Proceed to attach each set of frame brackets to each end of the frame.

4 After each frame bracket has been set, install the white belt. Ensure that the belt runs through the metal pulleys on the Motor Box. Make sure the belt is held in place using the belt brackets that are provided.



Bag# 29 & 13

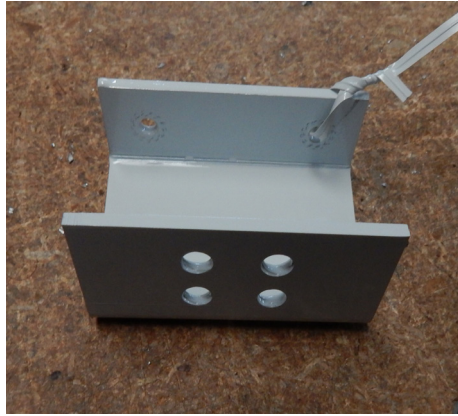


Attaching 7" Display

1

First, Insert SD Card into side of display and align the display bracket with the spacer on top of the Handle bar.

Bag # 85



2

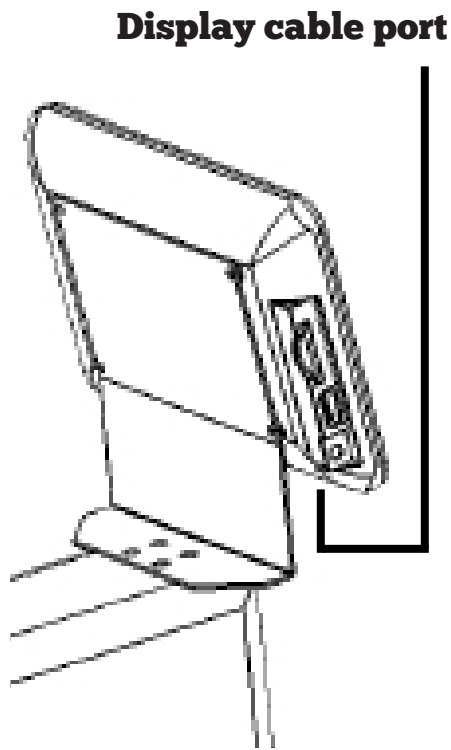
Use the **(3) M6 x 60 mm Screws** that are provided to attach the display and Handle bar to the machine.



3

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

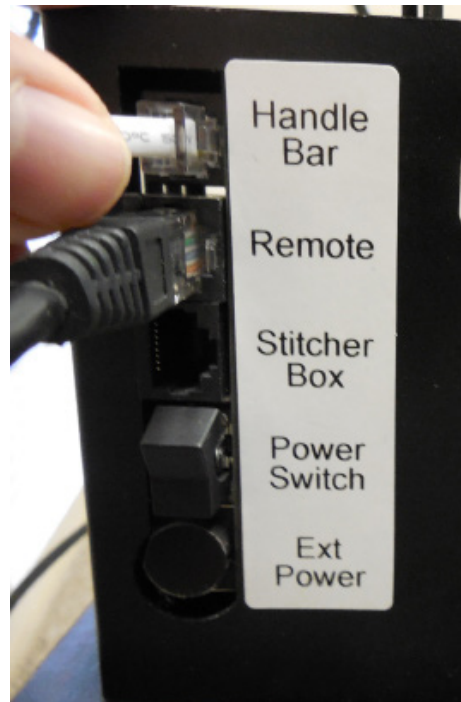
(Bag #62)



4

Plug one end of the handle bar wires into the handle bar port on the black motor box.

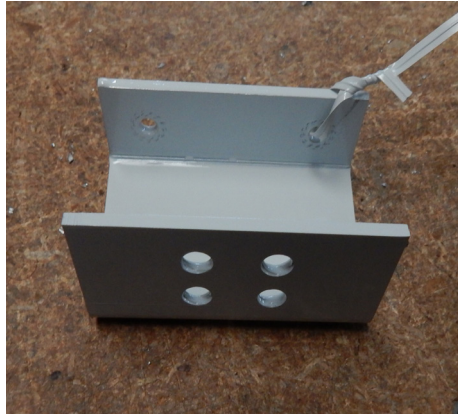
FOR FUSION:
Plug the remaining end into the micro handle port on the underside of your handle bars.



Attaching 10" Display

- 1** You will be Using the **(3) M6 x 60 long screws** that are provided to attach the display to the Handle bars of your machine.

Bag #85



- 2** You will place the Handlebars onto the head of the machine. You will then place the display bracket with the spacer already attached to it on top of the handlebar.



- 3** Using the **(3) M6 x 60 mm screws** you will then place them align them with the holes on the head of the machine and begin to screw them in place.

For instructions on how to use and mount your 10" display bracket please see the "Installing & Trouble shooting your android tablet" manual.

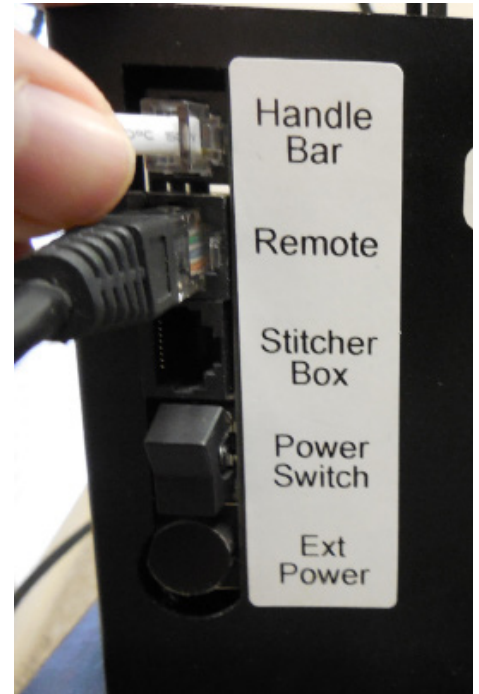


2

FOR AVANTE & HQ16

Unplug original handle bars, insert provided junction, re-plug in original handle bars and plug remaining end of handle bar wire into side port on junction.

Bag #62

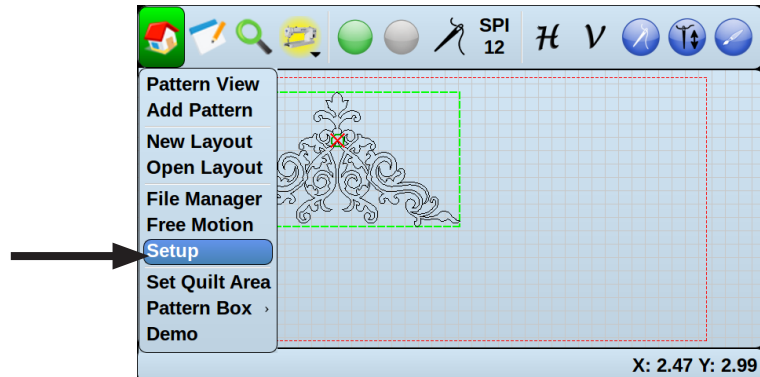


Set Machine Type

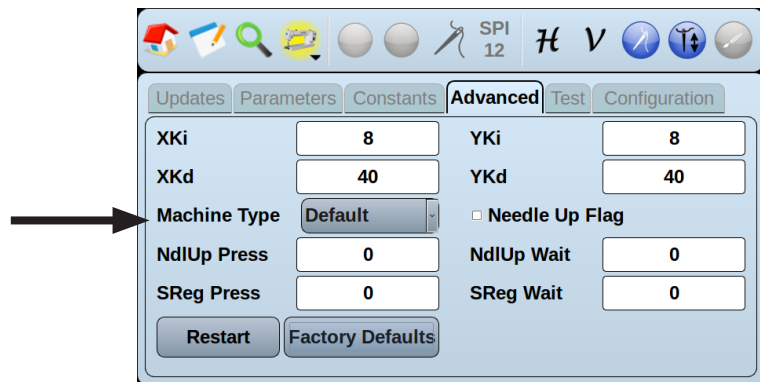
If you have a Quilt-EZ Perfect Stitch Regulator, then set your machine type to Default.

7" Tablet:

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

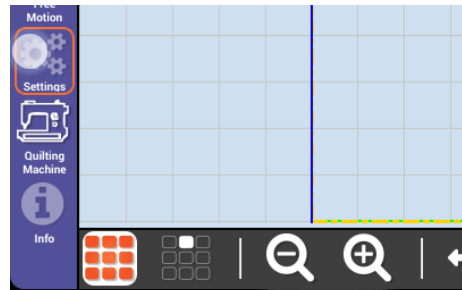


- 2 Go to the **Advanced** tab and set the machine type to HQ/Babylock.

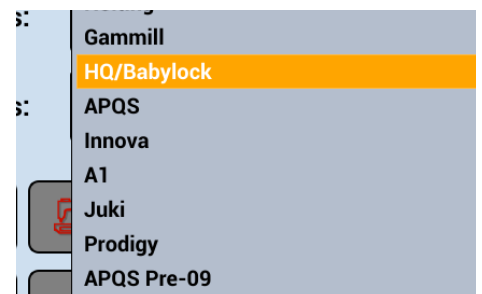
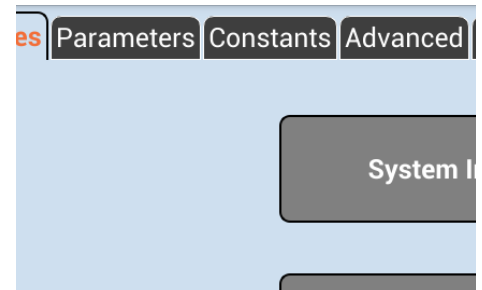
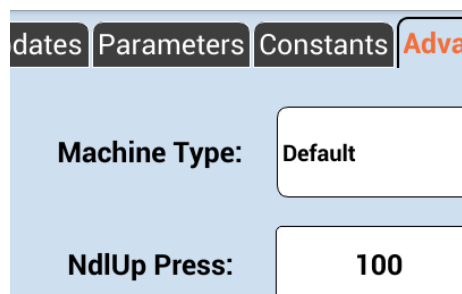


10" Android Tablet:

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



- 2 Select Machine Type and set the machine type to HQ/Babylock.



Check Belt Tension

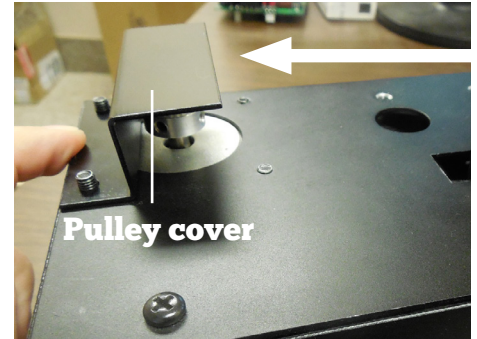
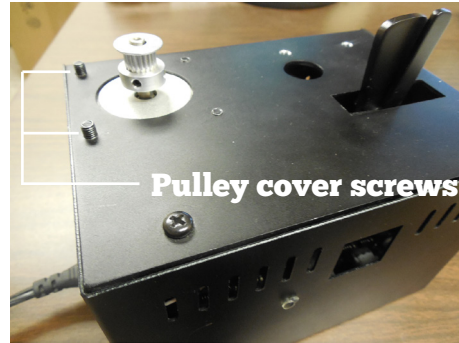
1 A correctly tensioned belt won't be as tight as a piano string but isn't as limply sagging.

Adjust belts as necessary.

Motor Pulley Cover (Optional)

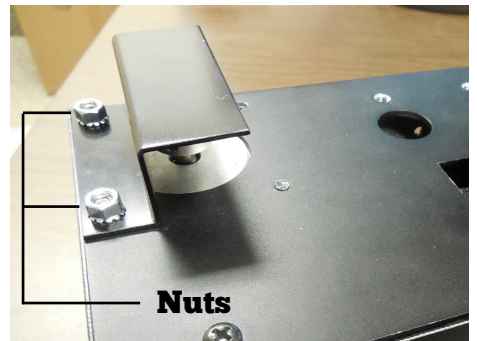
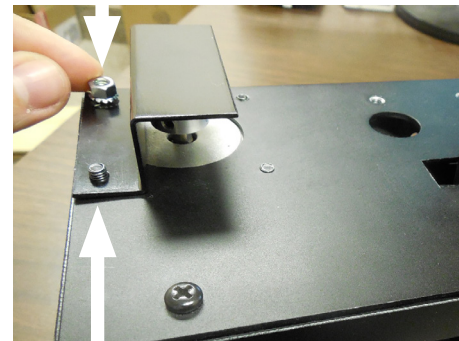
1

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



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

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.

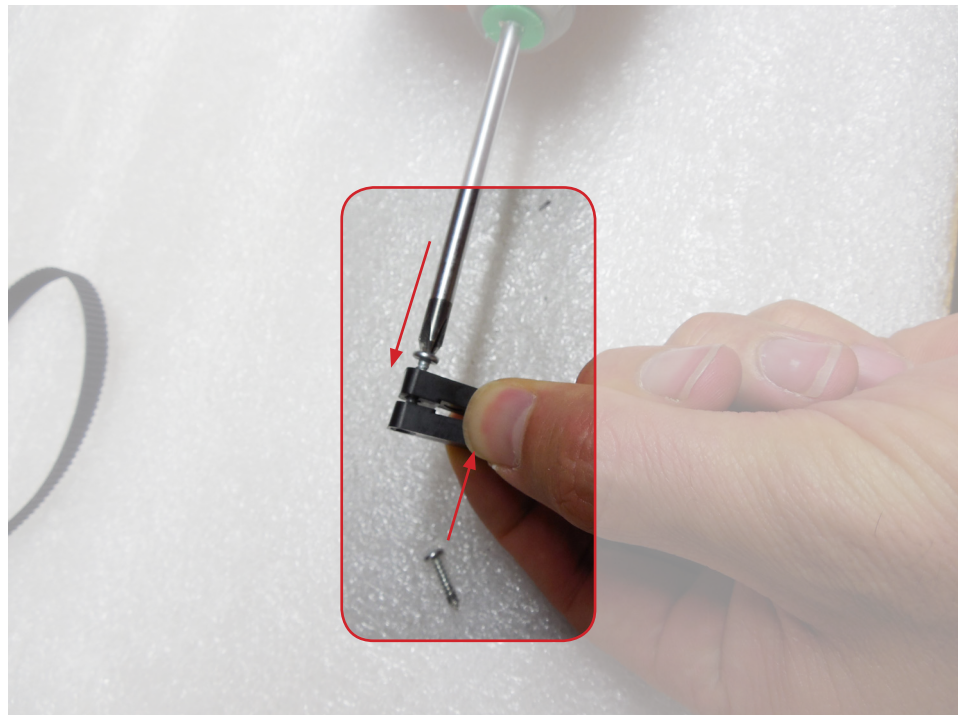
Appendix A - How to use Belt Clamps

A belt clamp consists of two clamps and two screws.



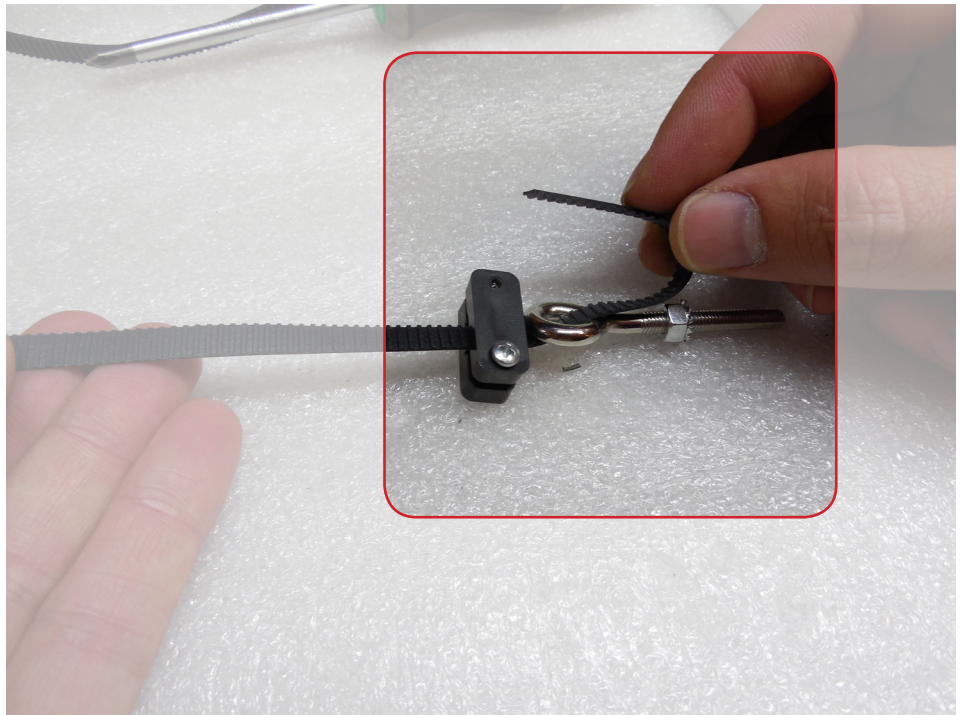
1

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.



3

Align the belt teeth, then finish tightening the clamps.





Still need help?

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