



How to Attach A Non-Integrated Butler to a Handi Quilter Machine and the Little Foot Frame.

Bag #

Contents

Picture

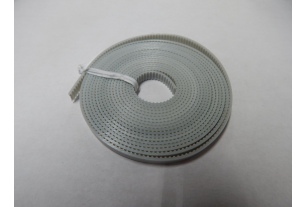
D3 with
Extension

Universal
Display Bracket,
Extension Bracket,
and Display Bases



X1

1- White X Belt (15')



Y1

1- Black Y Belt (86")



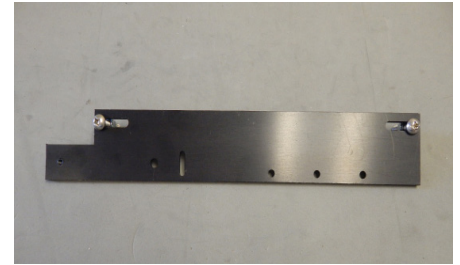
Z1

10- Zip Tie Base Anchors
2- Screw (M5 x 12mm)
2- Washer (M5)
5- 10" Zip Ties
10- 5" Zip Ties

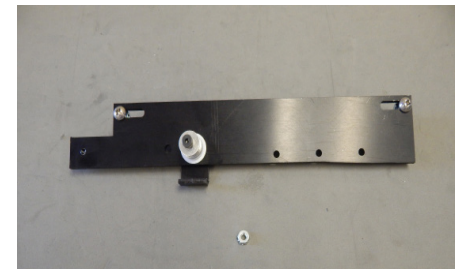


Bag #	Contents	Picture
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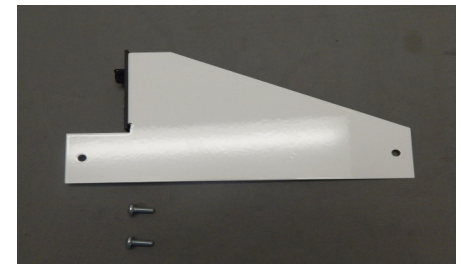
M8	1- Motor box bracket 2- Lock nut (1/4" -20) 2- Screw (1/4" -20 x 1")	
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I8	1- Rear idler bracket 1- Tensioner bracket 2- Lock nut (1/4" -20) 2- Machine screw (1/4" -20 x 1") 1- Pulley assembly	
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Y13	1- Carriage bracket 1- Pan-head screw (#10-24 x 1/4") 1- Thumb screw (#10-24 x 1/2") 2- Pan-head screw (#10-24 x 1/2") 1- Y-belt bracket A1 Clampless	
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Little Foot X Bracket	2-X-belt Brackets 2- belt anchors 2- 10-24 x 1 Screw with Nut	
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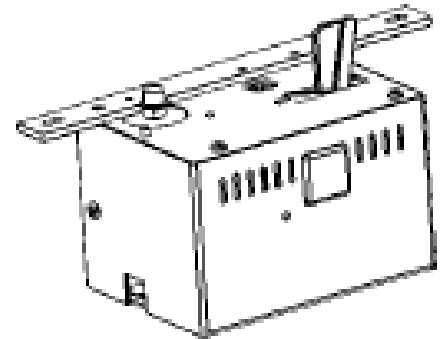
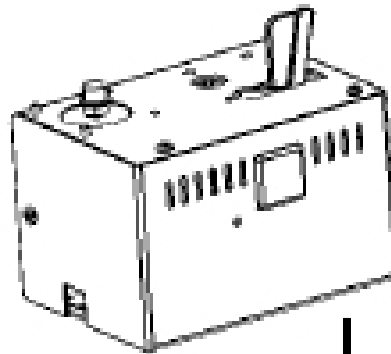
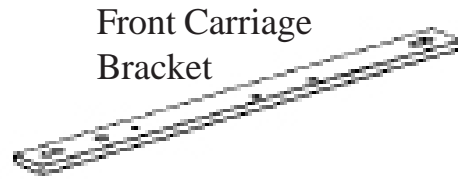
Cables	Butler Power Cable Direct Connect Cable	
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Attach the Front Carriage Bracket (Bag M8)

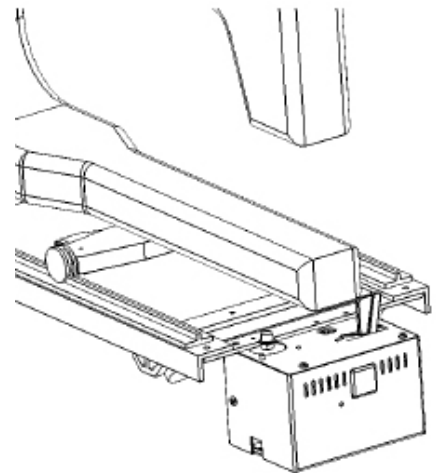
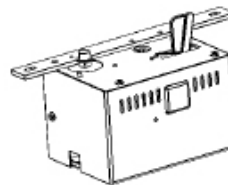
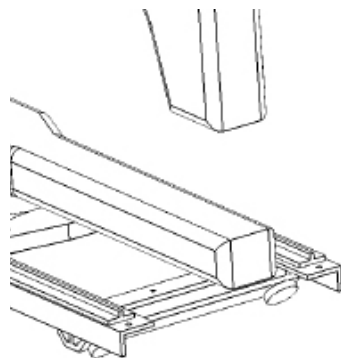
1

Attach the front carriage bracket to black motor box using the provided M5 x 12mm screws.



2

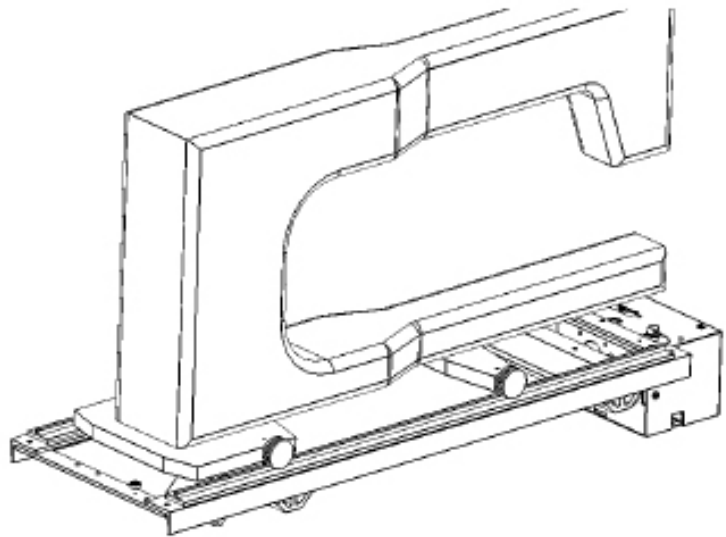
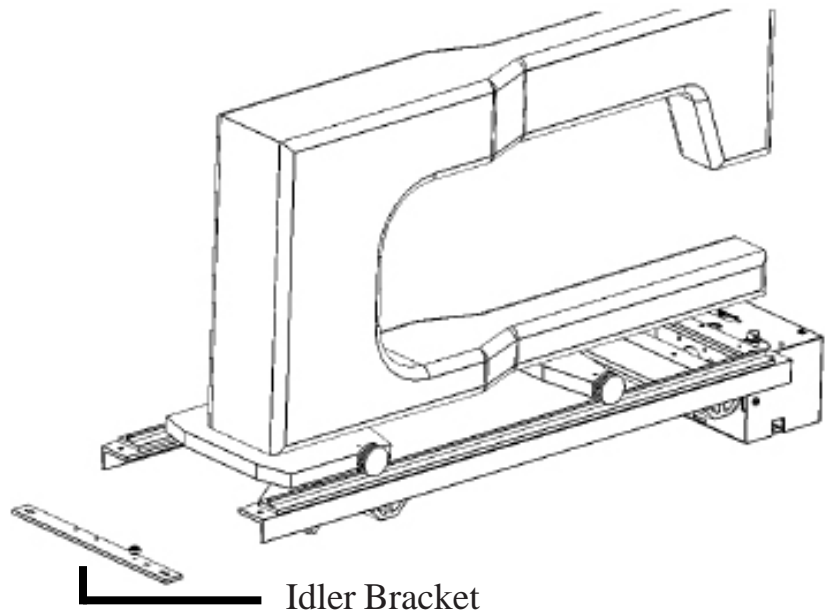
Install the motor box bracket underneath the front of the carriage. Line the holes on the bracket with the existing holes on the carriage.



Fasten in place with the provided 1/4" -20 x 1" screws

Attach the Rear Idler Bracket (Bag I8)

- 1 Line the idler bracket with the existing holes on the rear of the carriage and attach it using the provided 1/4" -20 x 1" screws

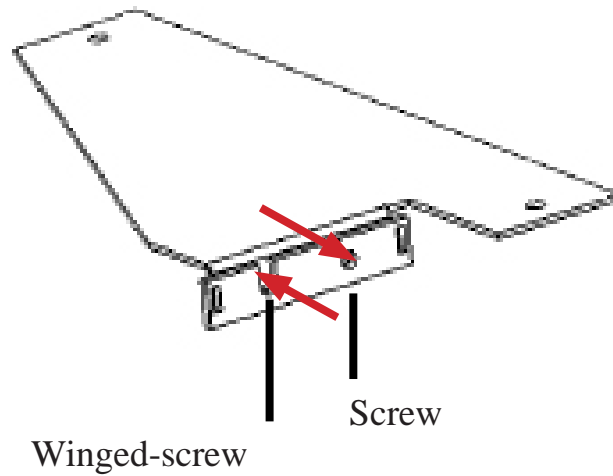
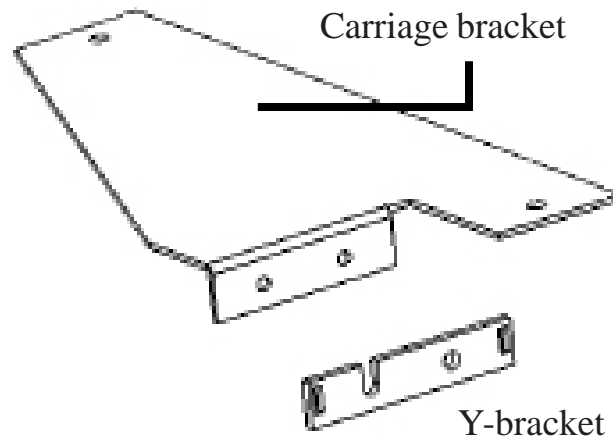


Install Black Belt (Bag Y1 and Bag Y13)

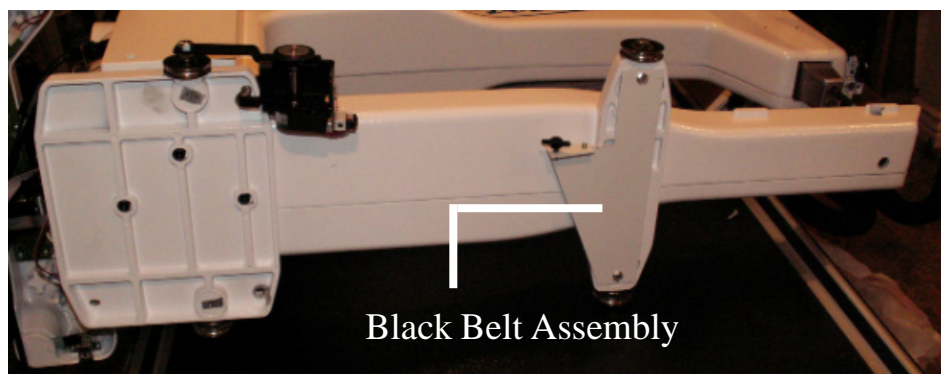
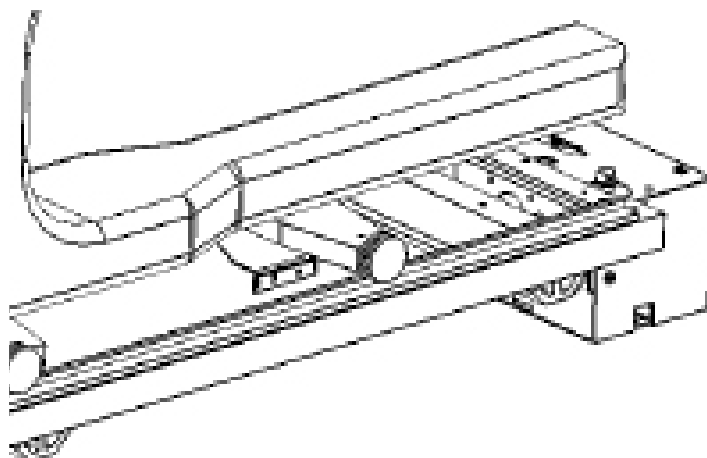
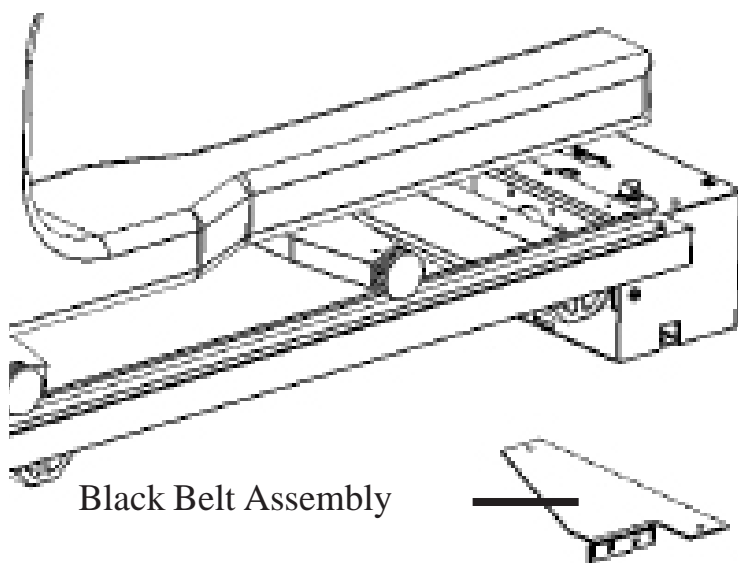
- 1 Attach the two black belt brackets together using the provided winged screw and screw.

If the bracket is pre-installed continue to step 2.

Insert the winged-screw from the front and the normal screw from the back.

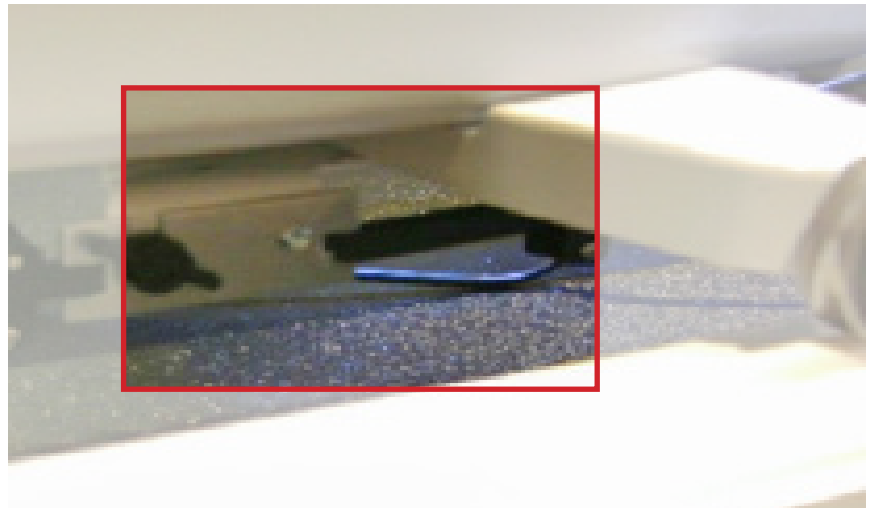


- 2 Install black belt assembly to the underside of the front carriage wheels.



- 3 Use the belt clamps to attach one side of the black belt to the Y-bracket. Make sure the teeth face away from the carriage.

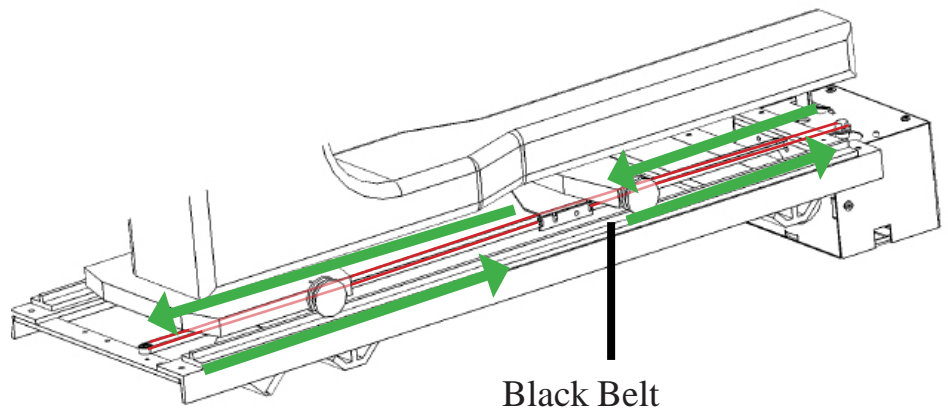
*See New Belt clamp document for help with belts.



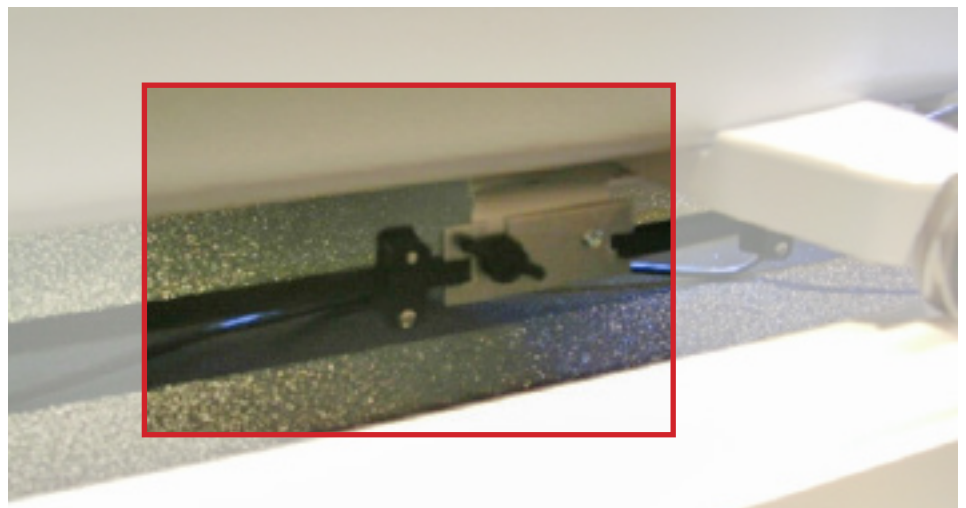
- 4 Loop the belt around the motor pulley with the teeth facing in.

The uninterrupted length of the belt will run farther from the carriage.

Then loop the belt around the rear idler pulley.



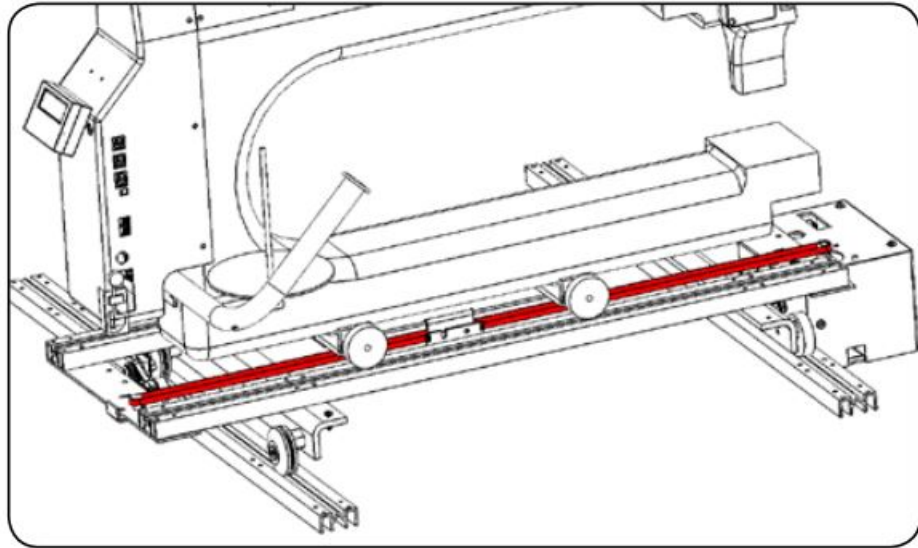
- 5 Attach the other end of the belt to the Y-bracket using another belt clamp.



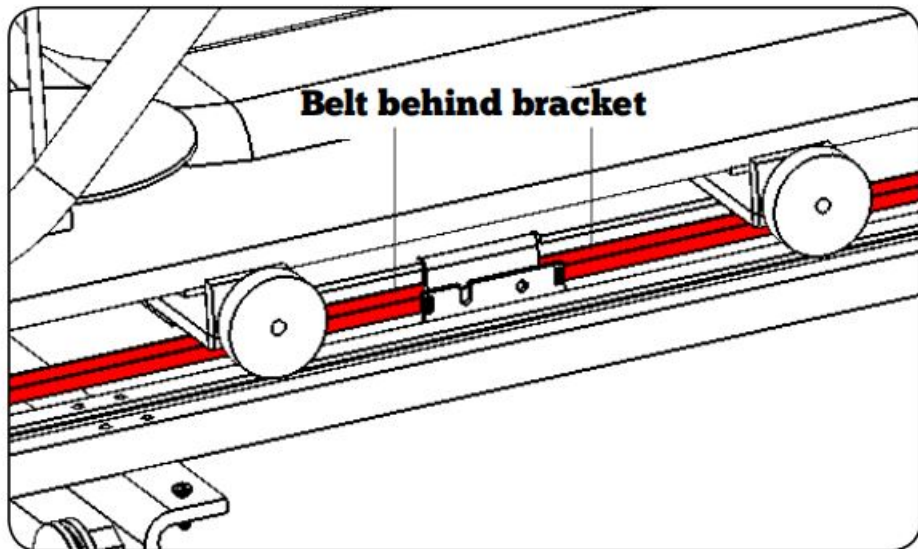
Please note that your machine and bracket may not look exactly like this, the main thing here is to make sure the black belt travels **BEHIND** the bracket as shown in the pictures below.

Using the zip ties, attach one end of the black belt to the carriage bracket.

Wrap the toothed side of the black belt (highlighted at right) around both the Idle and Motor Box pulleys, then use zip ties to attach the remaining end of the belt to the carriage bracket.

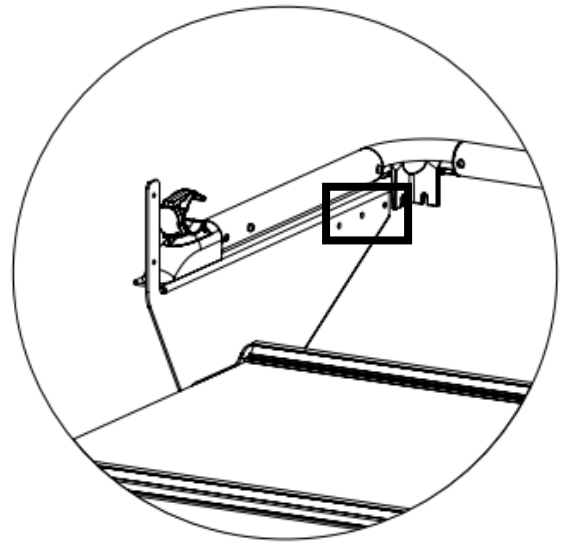
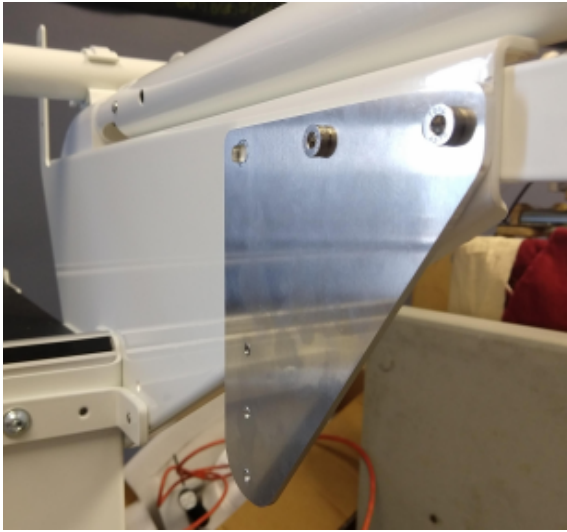


Ensure that the black belt travels **behind** the carriage bracket (shown at right).



Install White Belt on Frame (Bag X1 and Little Foot X Brackets)

- 1 On each side of your little foot frame there are 3 screw holes for the X brackets, outlined in the rectangle. Take these screws out and attach the bracket using the same screws.



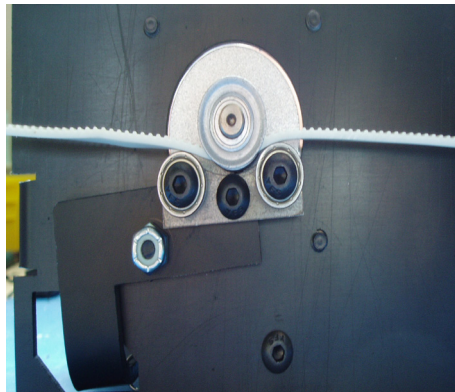
- 2 Adjust the belt anchors (the bracket in the rectangle) to the about the same height as the pulley on the back of the robot (black box) using any of the 3 holes provided. Repeat for both sides.



Release the belt lock lever and run the belt as shown with the teeth facing up.



Reengage the clutch.



3

Run the White Belt through the second slot on the adjustable belt anchor.



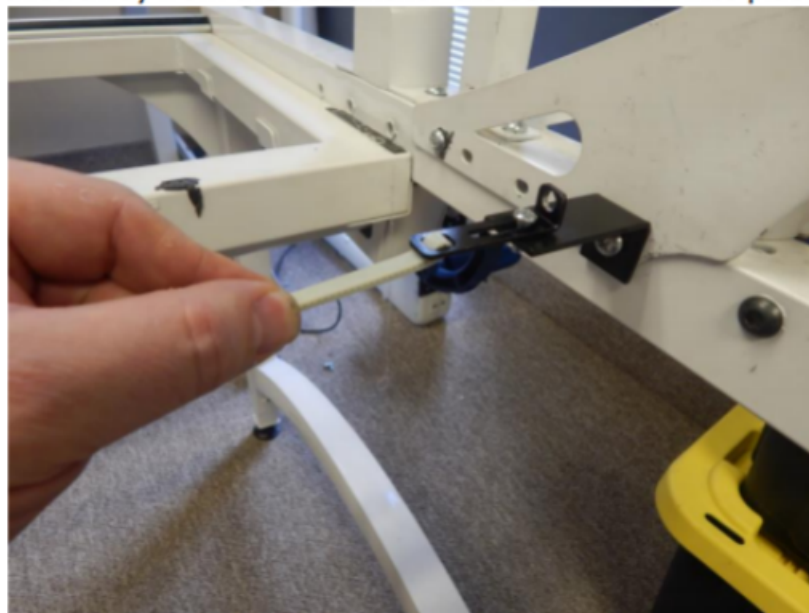
Figure 6

Be sure the belt teeth are facing the same way as shown in Figure 6.
Next, thread the belt through the first slot on the Adjustable Belt Anchor. See Figure 7.



Figure 7

When the belt is pulled away from the belt anchor the belt will lock into place and not slip.



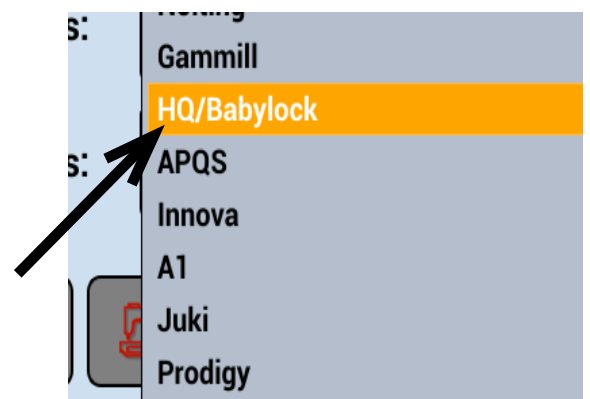
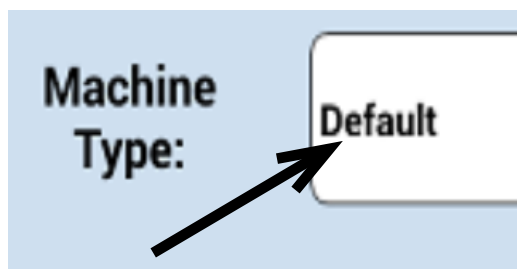
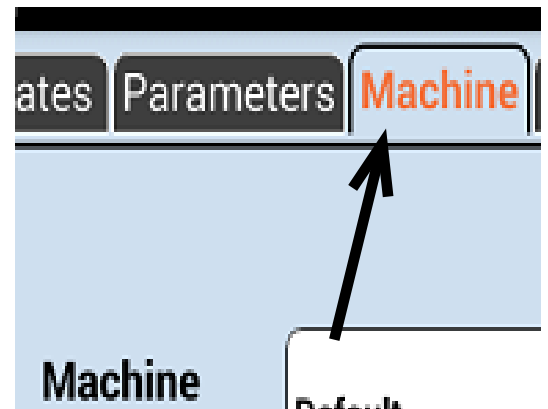
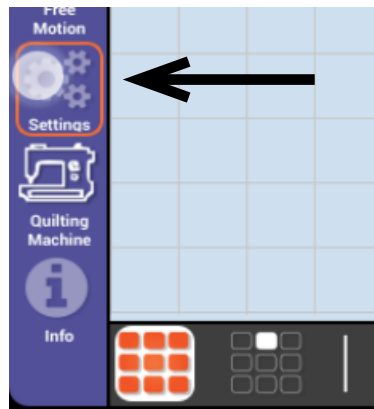
Do step 3 for both sides of the frame. With the belt threaded through both universal belt anchors on either side of the frame, and with the belt secured on the belt pulley of the Butler, tighten the X belt as much as possible by further feeding the belt through one of the universal belt clamps. You will not be able to get the belt completely tight, but be sure to make it as snug as you can.

Place a zip tie around the belt near the Adjustable Belt Anchor to help the belt stay in place when the belt is disengaged from the robot.



Set Machine Type

- 1 To power on the display, turn on your Butler Robot. If the program does not start automatically press the Q to open the Perfect Stitch app. Now we want to set the machine type to HQ/Babylock. Go to settings, Then the machine tab, then click on default and then select HQ/Babylock.



*To see how to install your cables please refer to the how to install your display instructions that are included in your folder.



Still need help?

Visit support.quiltez.com for
tutorial videos and additional
help documentation