Quilt Motion

QCT and Wiring Instructions

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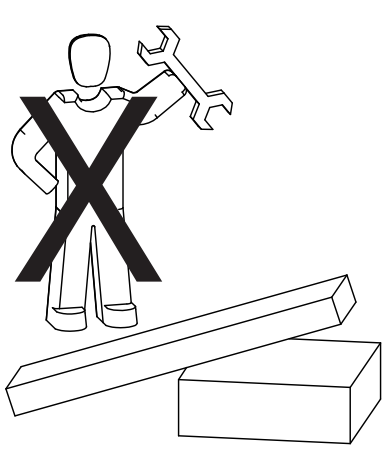
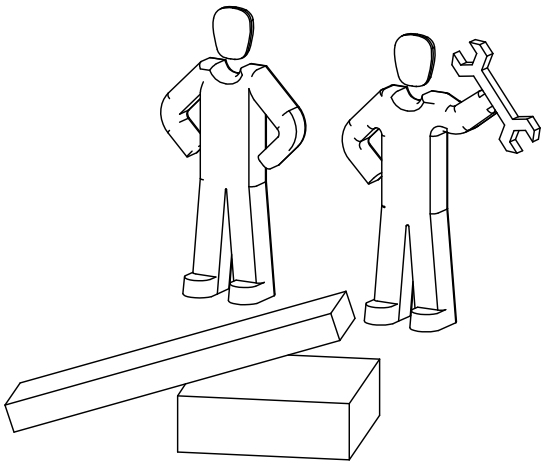
Version 1.1

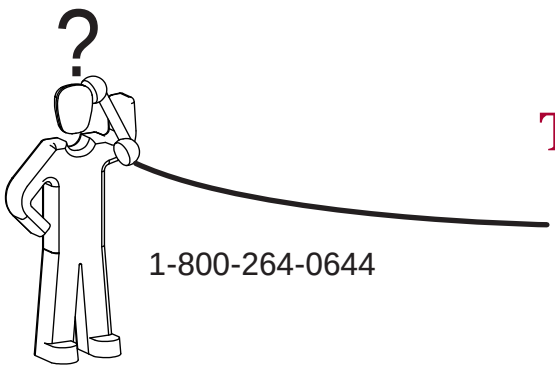
Warranty

Warranty Information for your Quilt Motion.

The Quilt Motion has a One-Year limited warranty on all parts. The Grace Company will repair or replace, at its discretion, any part with problems due to our manufacturing or defects in materials. This warranty does not cover parts damaged through misuse, improper storage, improper assembly, loss, natural events, and willful destruction. Parts must be returned to the Grace Company, shipping prepaid, before we can repair or replace them. We will promptly return the repaired/replaced part at our expense if done within a year of the purchase date.

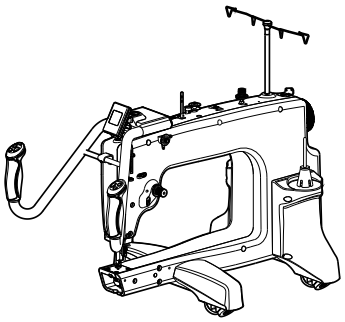






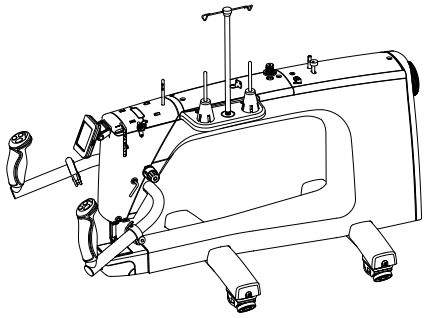
1-800-264-0644

The Grace Company
Fine Quilting Frames



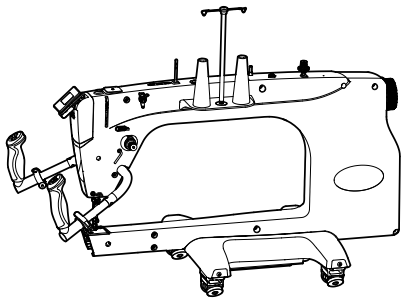
Q'nique 15

Turn to page 1



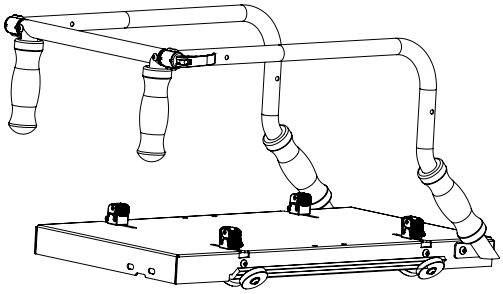
Q'nique 19

Turn to page 7



Q'nique 21

Turn to page 13

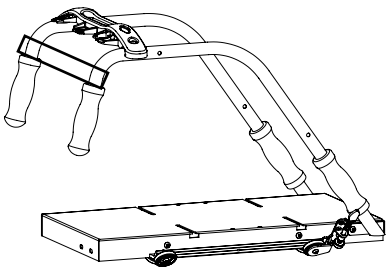


G-Series 2 Top Plate

Turn to page 19

The G-Series Top Plate revision can be identified by the holes on the front of the handles.

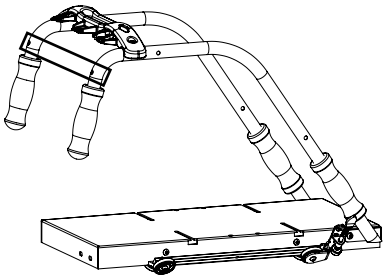
Rev1 **does not** have holes on the front of the handles



G-Series Top Plate Rev1

Turn to page 24

Rev2 **has** holes on the front of the handles



G-Series Top Plate Rev2

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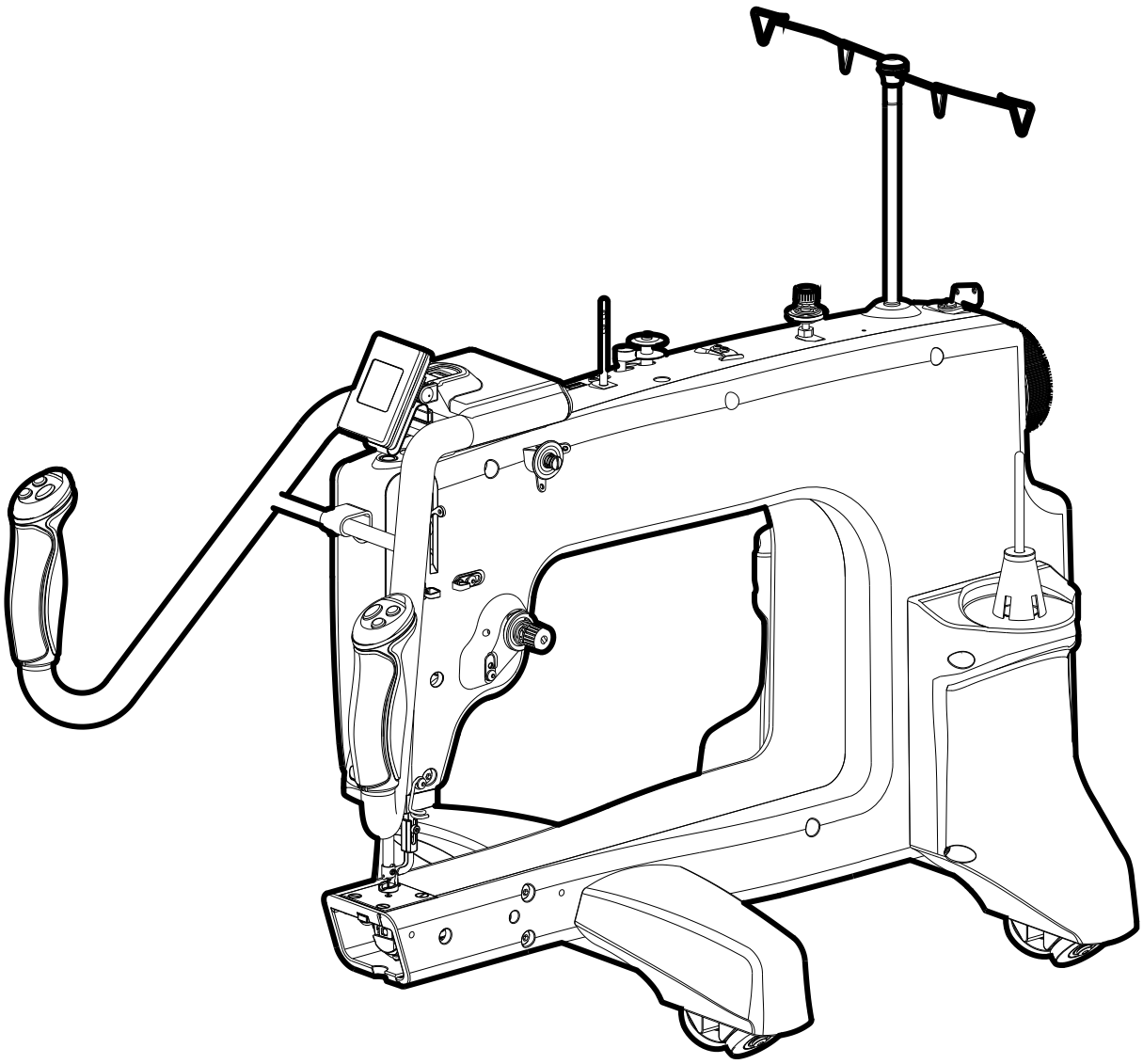
QCT Bracket

Step 1: Attaching the Tablet Mount - Q’nique 15” 2

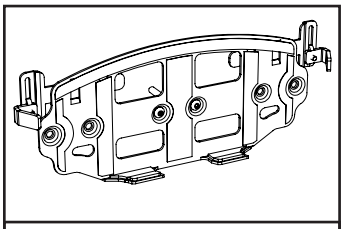
Wiring Instructions

Step 2: Cord Setup for the Bottom Carriage 4

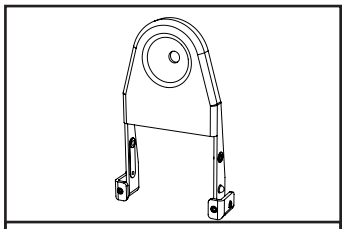


Step 1 - Attaching the Tablet Mount

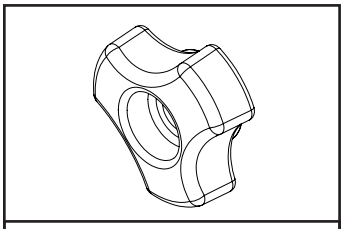
Parts Needed:



Tablet Tray (1)



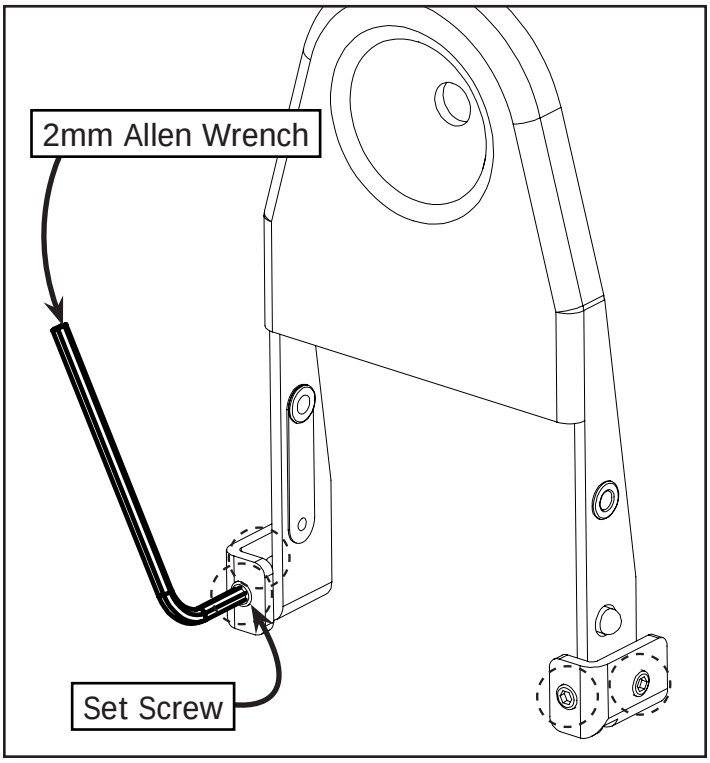
QCT Bracket Q'nique 15 (1)



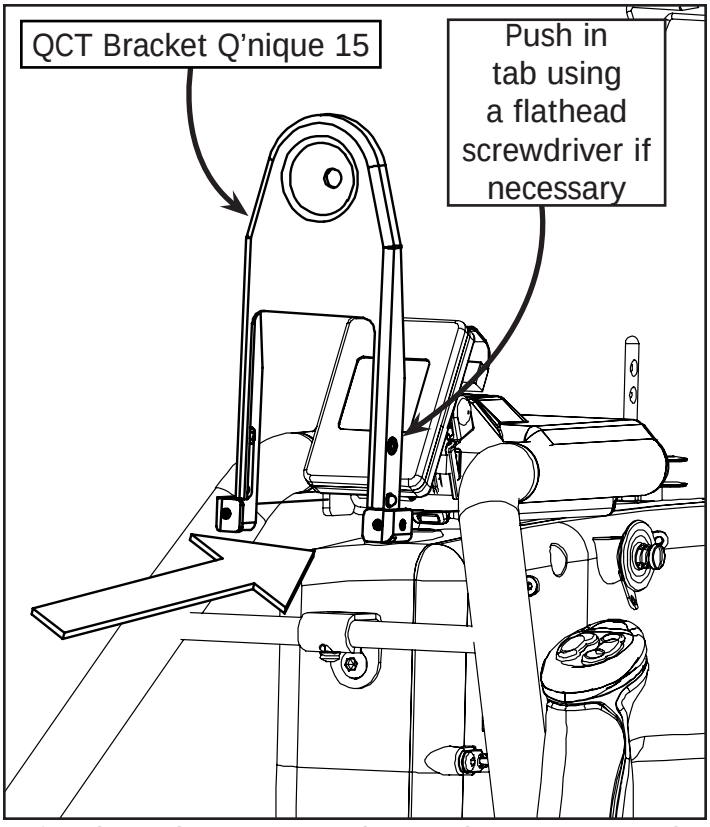
3 Wing Plastic Knob M6 (1)

Tools Needed:

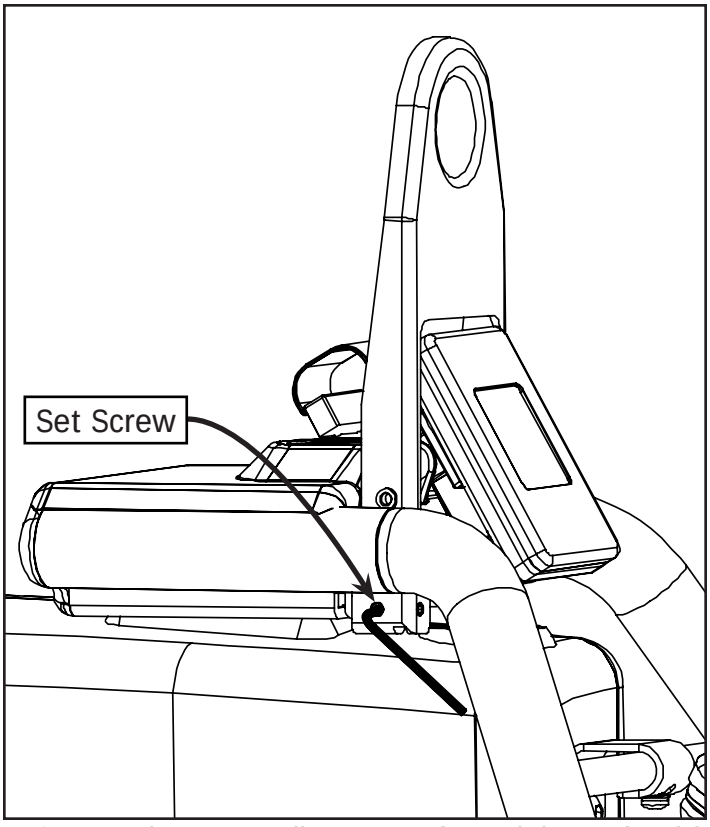
2mm Allen Wrench



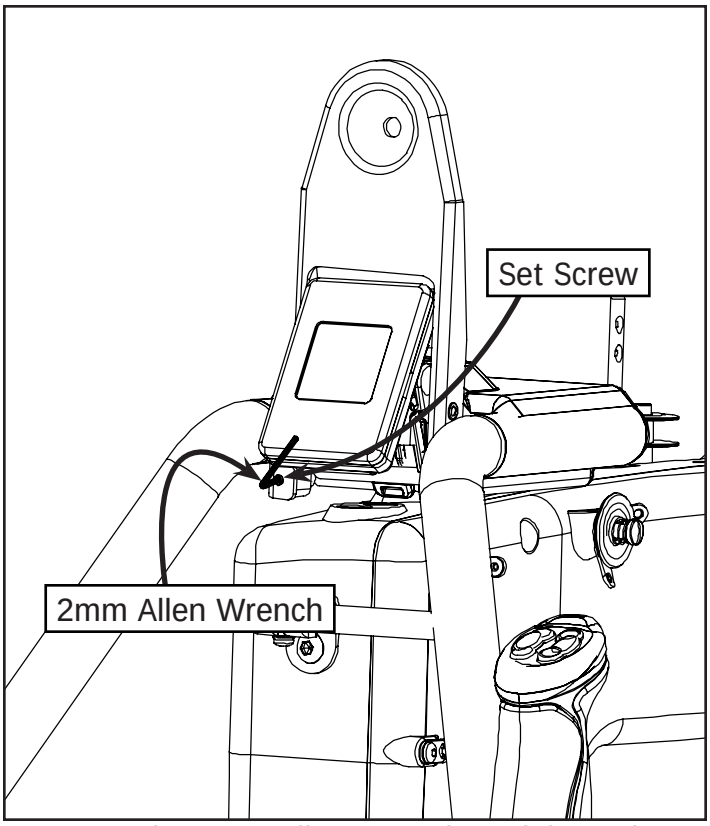
1-1: Using the 2mm Allen Wrench loosen all (4) set screws on the QCT Bracket Q'nique 15.



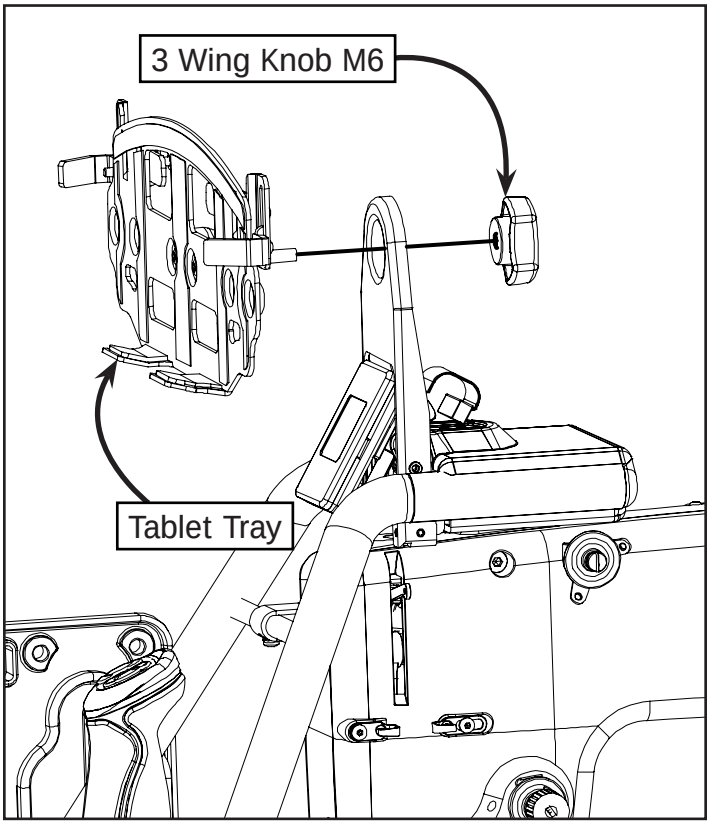
1-2: Place the QCT Bracket Q'nique 15 onto the handle bars as shown until the locater tabs snap into place.



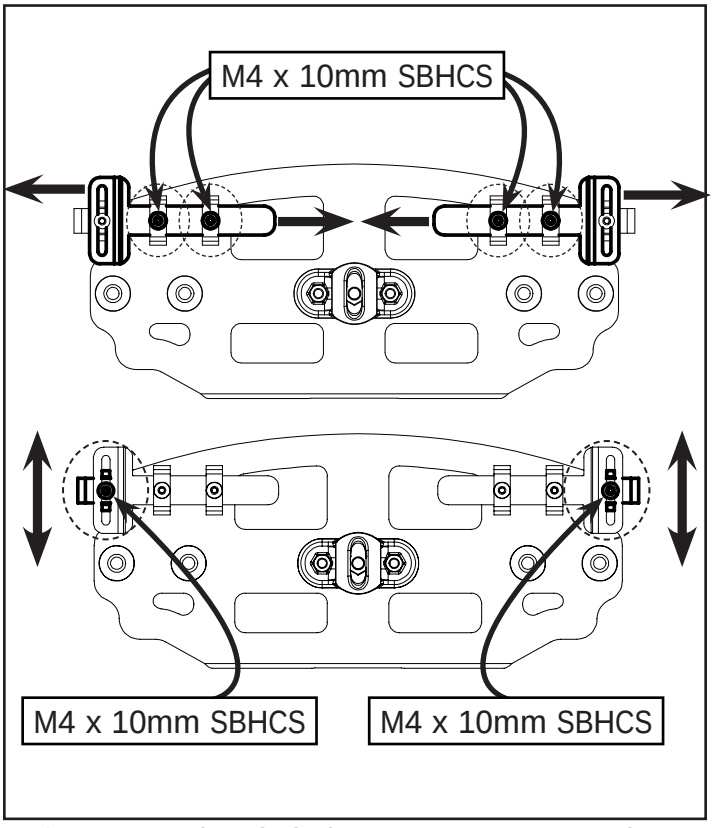
1-3: Use the 2mm Allen Wrench to tighten the (2) set screws on each side of the QCT Bracket Q'nique 15.



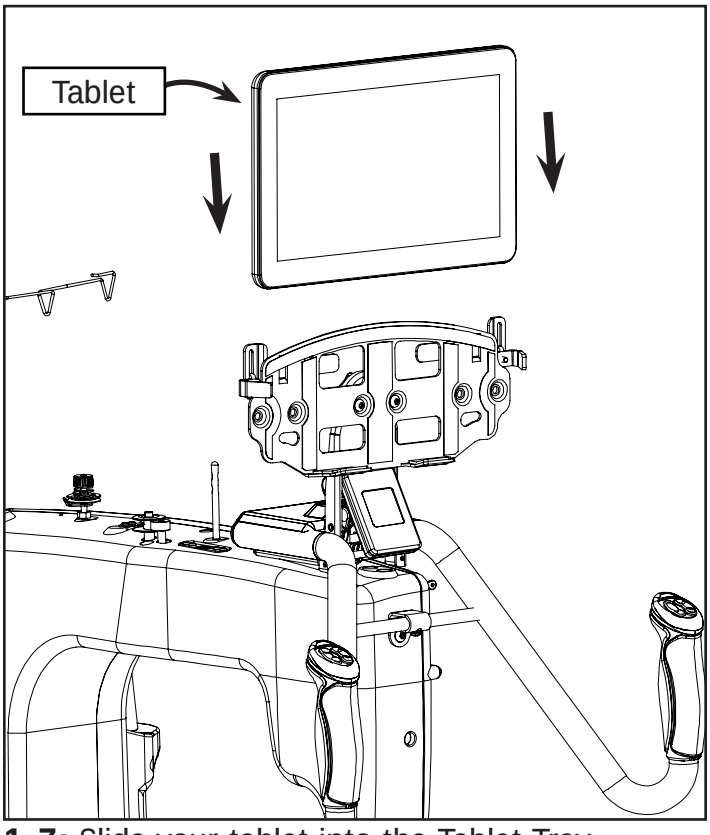
1-4: Use the 2mm Allen Wrench to tighten the (2) set screws on the front of the QCT Bracket Q'nique 15.



1-5: Install the Tablet Tray to the QCT Bracket Q'nique 15 using the 3 Wing Knob M6.



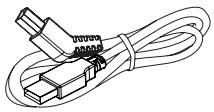
1-6: Loosen the circled M4 x 10mm SBHCS in order to adjust the arms of the Tablet Tray to fit your tablet.



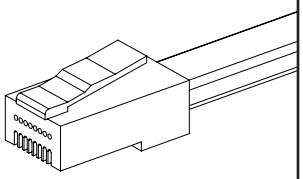
1-7: Slide your tablet into the Tablet Tray. Tighten the screws that were loosened in step 1-6.

Step 2 - Cord Setup for the Bottom Carriage

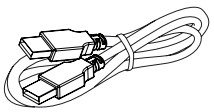
Parts Needed:



USB-A to USB-B Cable (1)



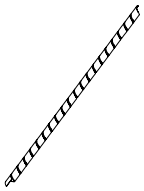
Quilt Motion Cable (1)



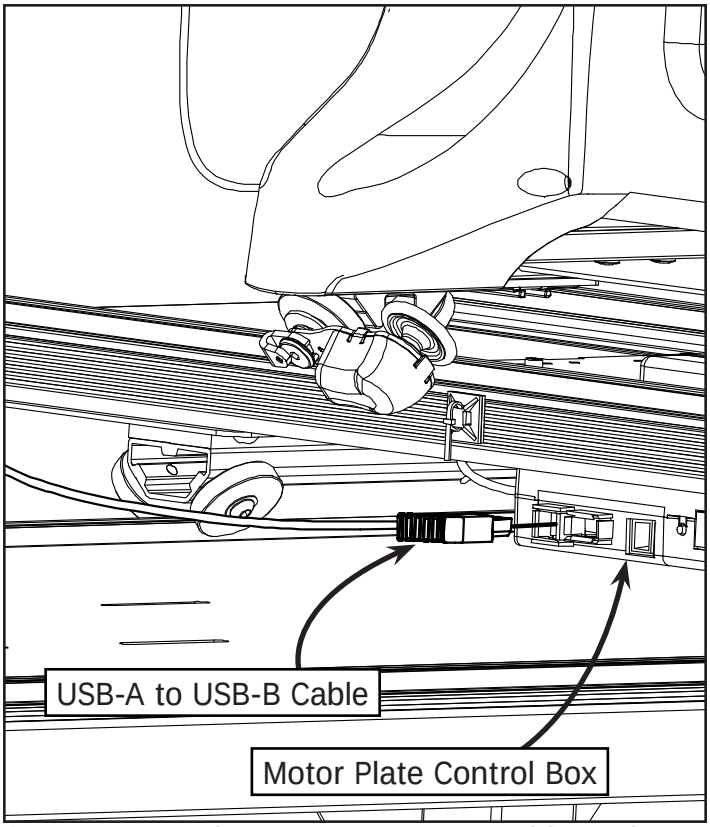
Male to Male USB Adapter Cable (1)

Zip Tie (2)

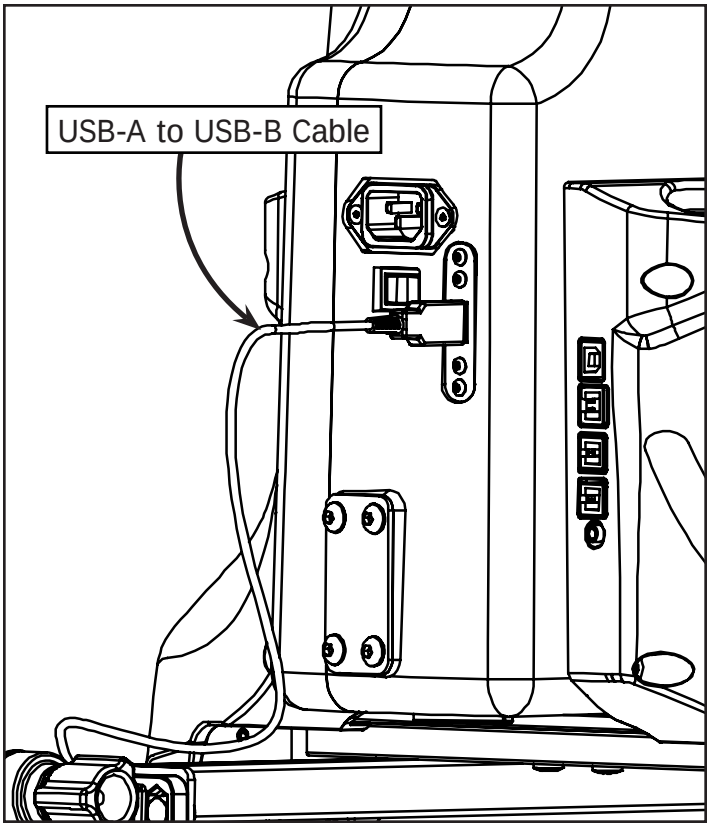
Zip Tie Mount (2)



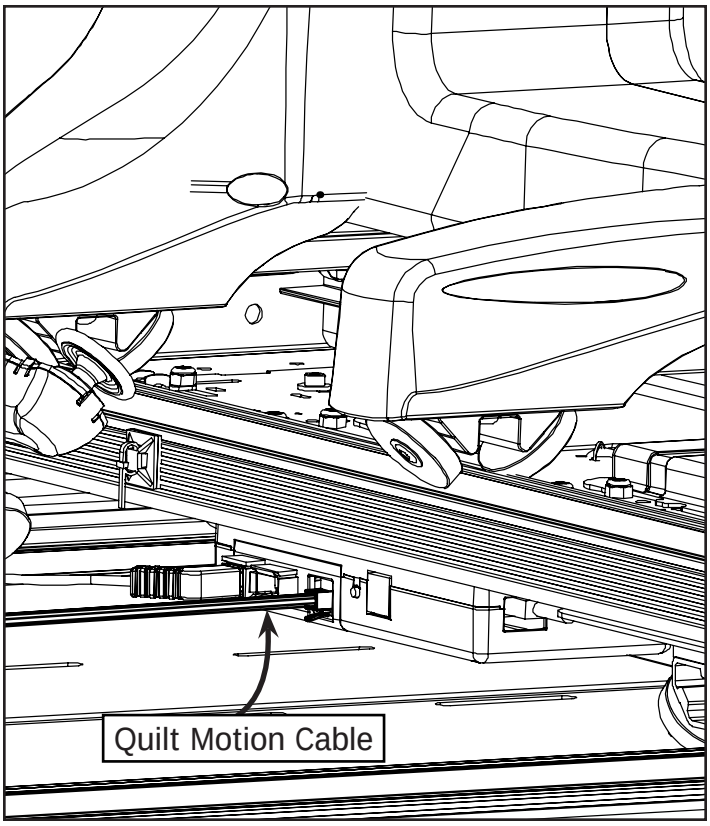
Cable Wrap (1)



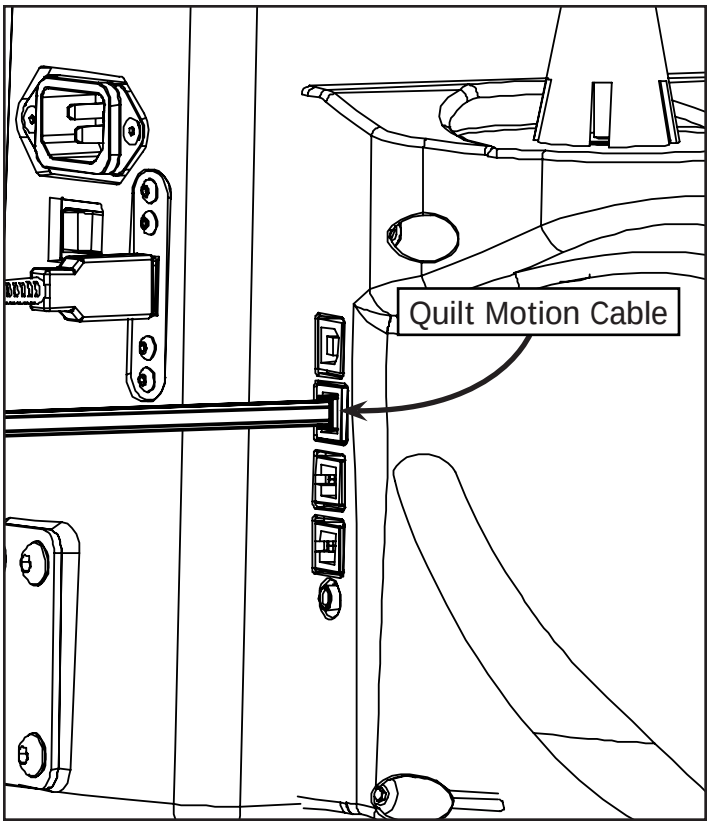
2-1: Connect the USB-A to USB-B Cable to the Motor Plate Control Box.



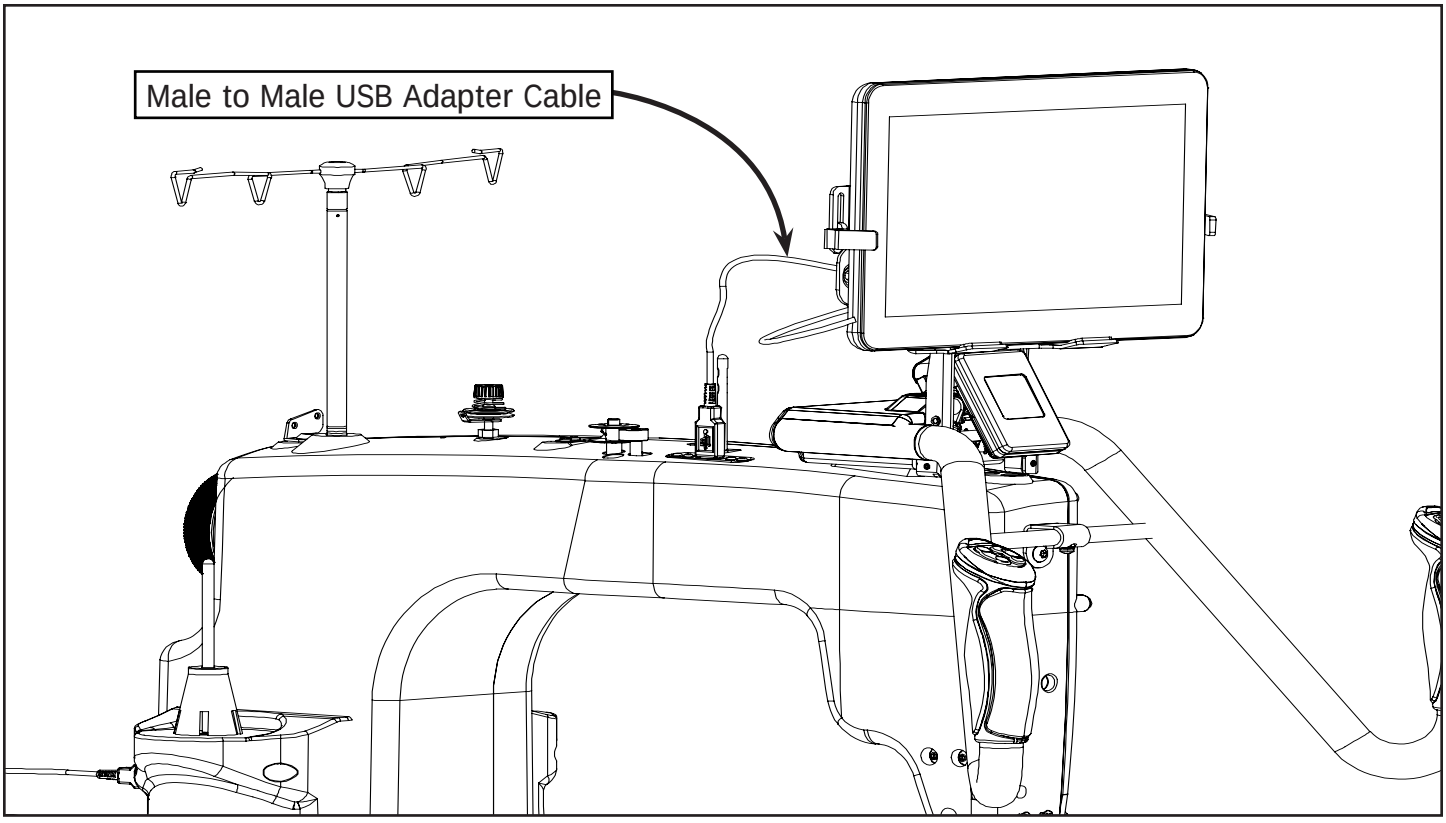
2-2: Connect the opposite end of the USB-A to USB-B Cable to the USB Port on the back of your machine.



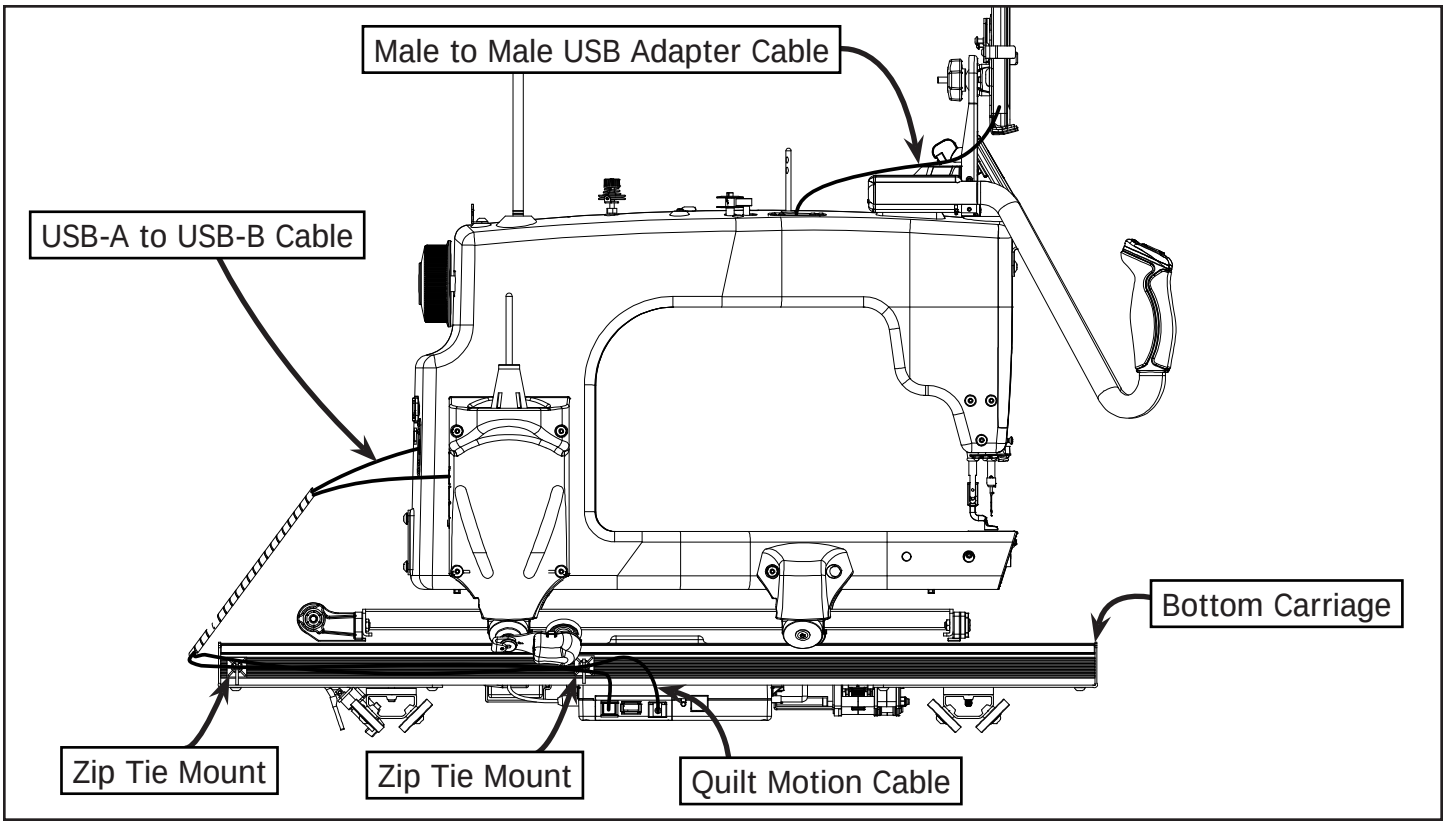
2-3: Connect the Quilt Motion Cable to the Motor Plate Control Box.



2-4: Connect the opposite end of the Quilt Motion Cable to the Blue Port on the back of your machine.



2-5: Connect the Male to Male USB Adapter Cable to the port on the top of your machine. Connect the opposite end to your tablet.



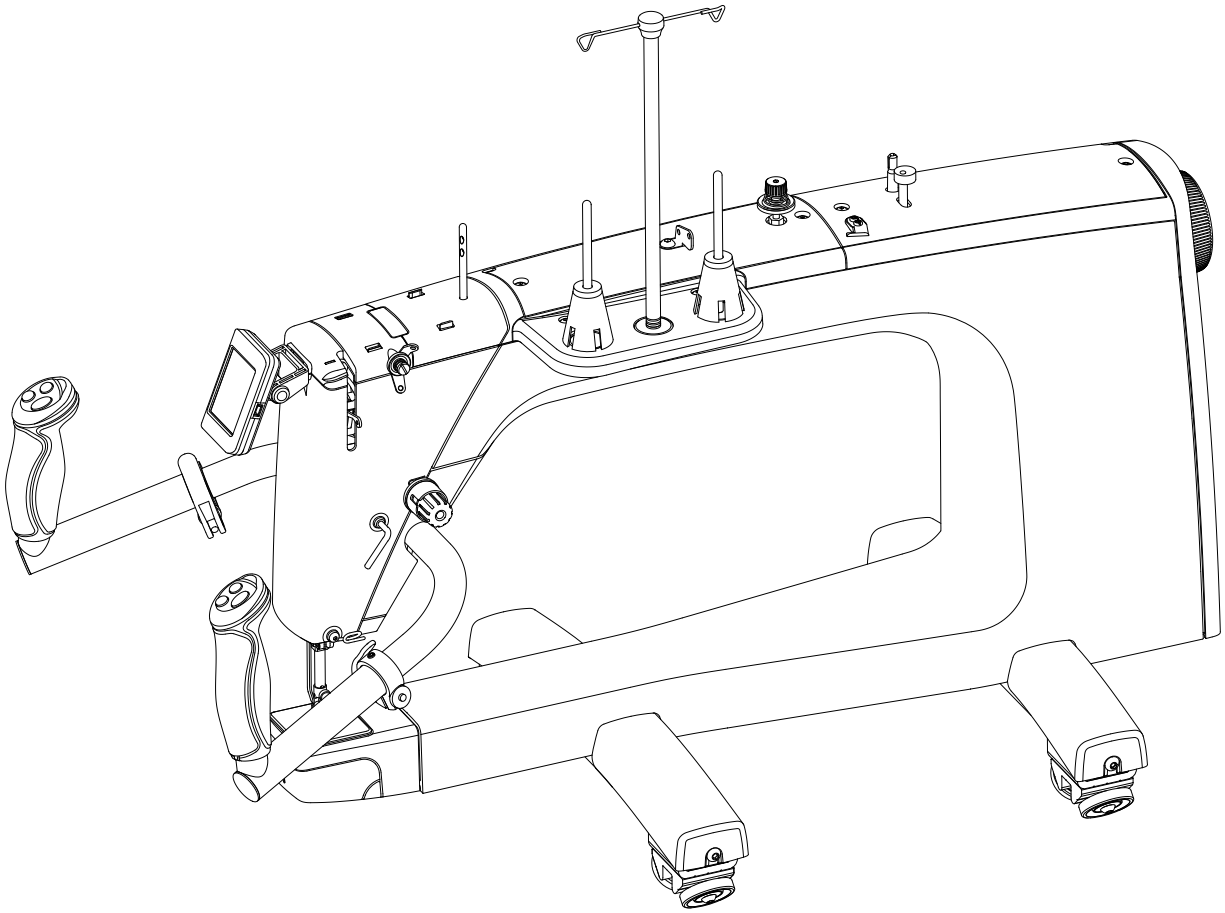
2-6: Secure Zip Tie Mounts to the Bottom Carriage. Wrap USB-A to USB-B Cable and Quilt Motion Cable together in the Cable Wrap and route cables as shown.
Note: Be sure to leave enough slack in the cables to allow for full range of motion of the machine.

QCT Bracket

Step 1: Attaching the Tablet Mount - Q’nique 19” 8

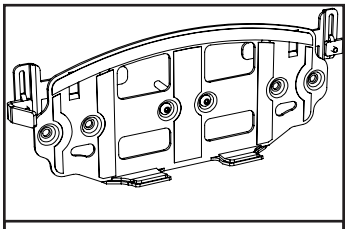
Wiring Instructions

Step 2: Cord Setup for the Bottom Carriage 10

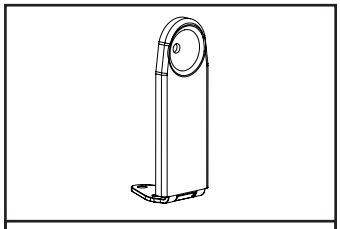


Step 1 - Attaching the Tablet Mount - Q'nique 19

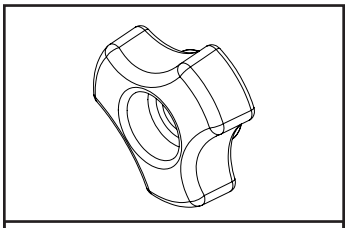
Parts Needed:



Tablet Tray (1)



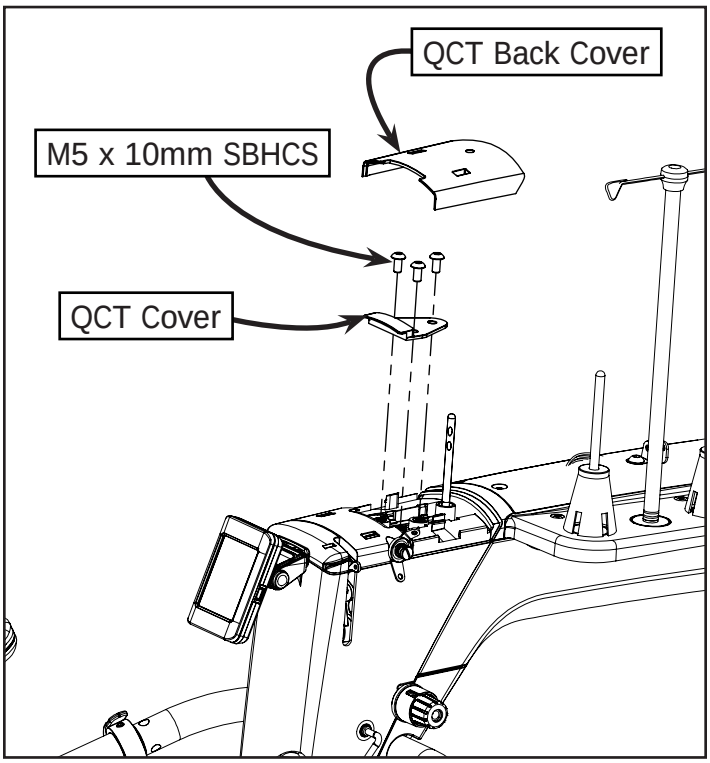
QCT Bracket Q'nique 19 (1)



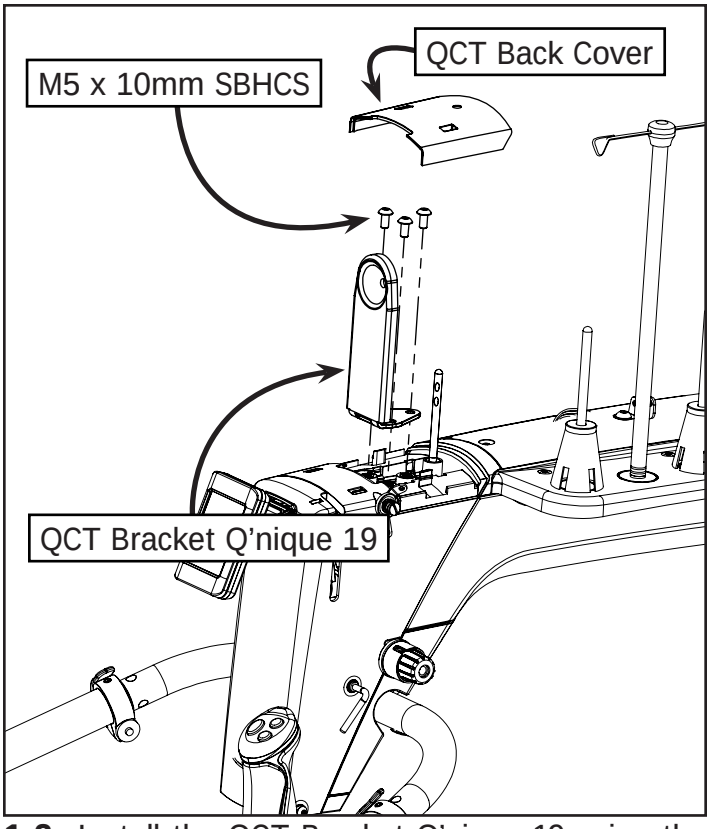
3 Wing Knob M6 (1)

Tools Needed:

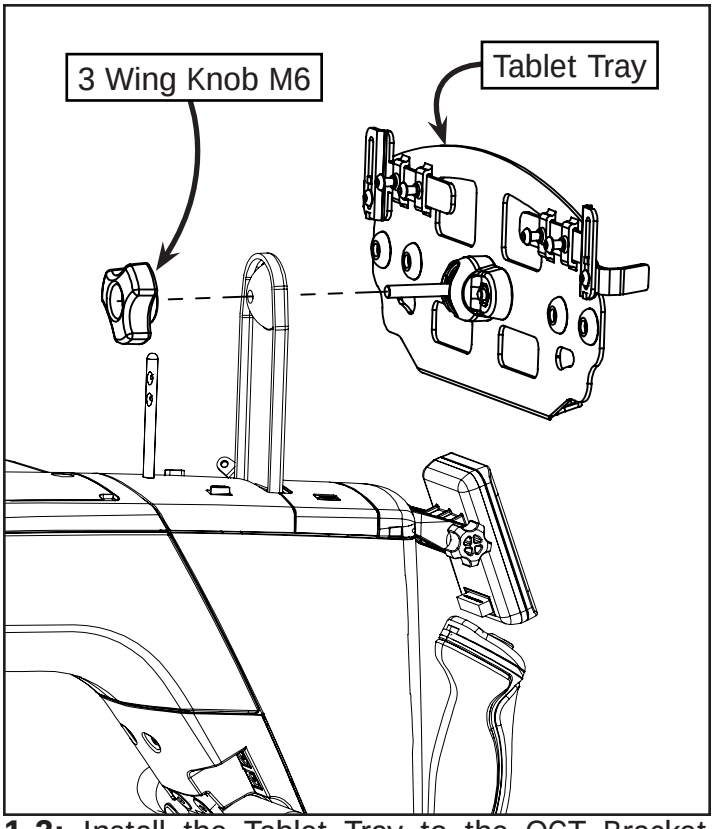
2.5mm Allen Wrench
3mm Allen Wrench



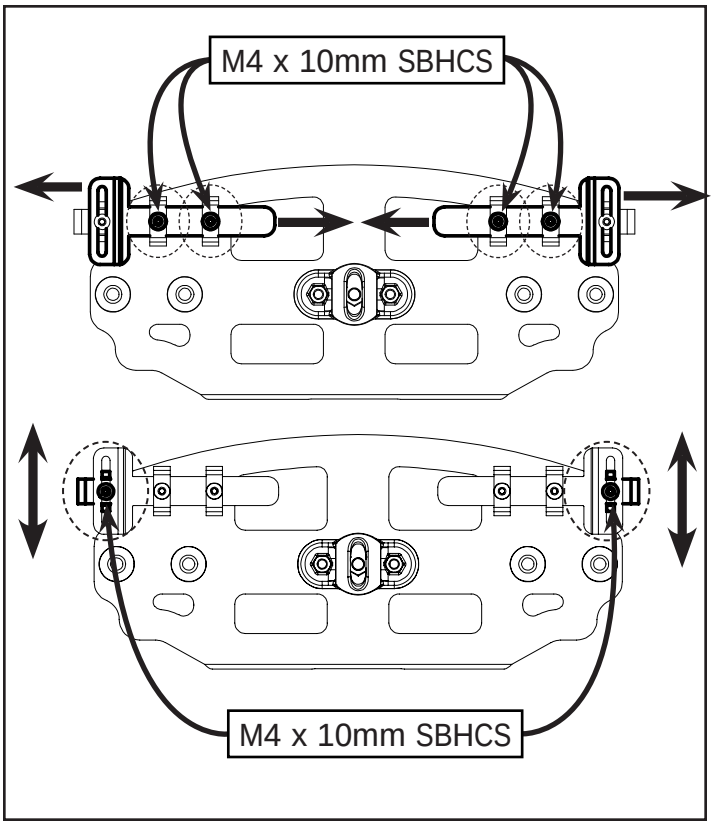
1-1: Remove the QCT Back Cover, (3) M5 x 10mm SBHCS, and the QCT Cover from the top of the sewing machine.



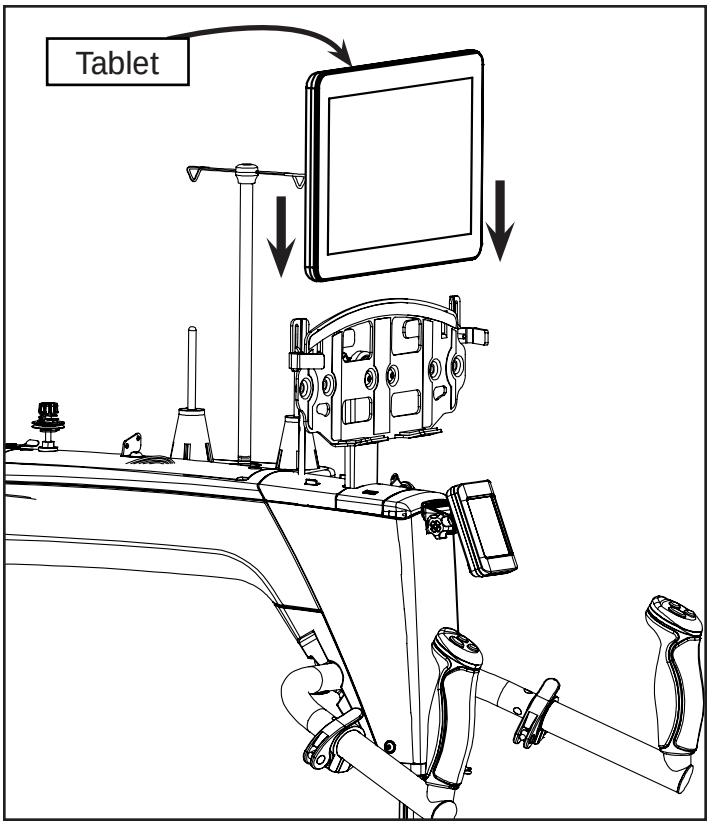
1-2: Install the QCT Bracket Q'nique 19 using the (3) M5 x 10mm SBHCS from step 1-1. Reinstall the QCT Back Cover.



1-3: Install the Tablet Tray to the QCT Bracket Q'nique 19 using the 3 Wing Knob M6.



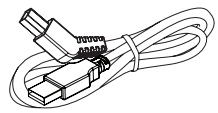
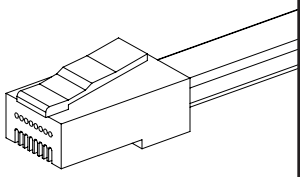
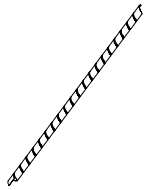
1-4: Loosen the circled M4 x 10mm SBHCS in order to adjust the arms of the Tablet Tray to fit your tablet.



1-5: Slide your tablet into the Tablet Tray. Tighten the screws that were loosened in Step 1-4.

Step 2 - Cord Setup for the Bottom Carriage

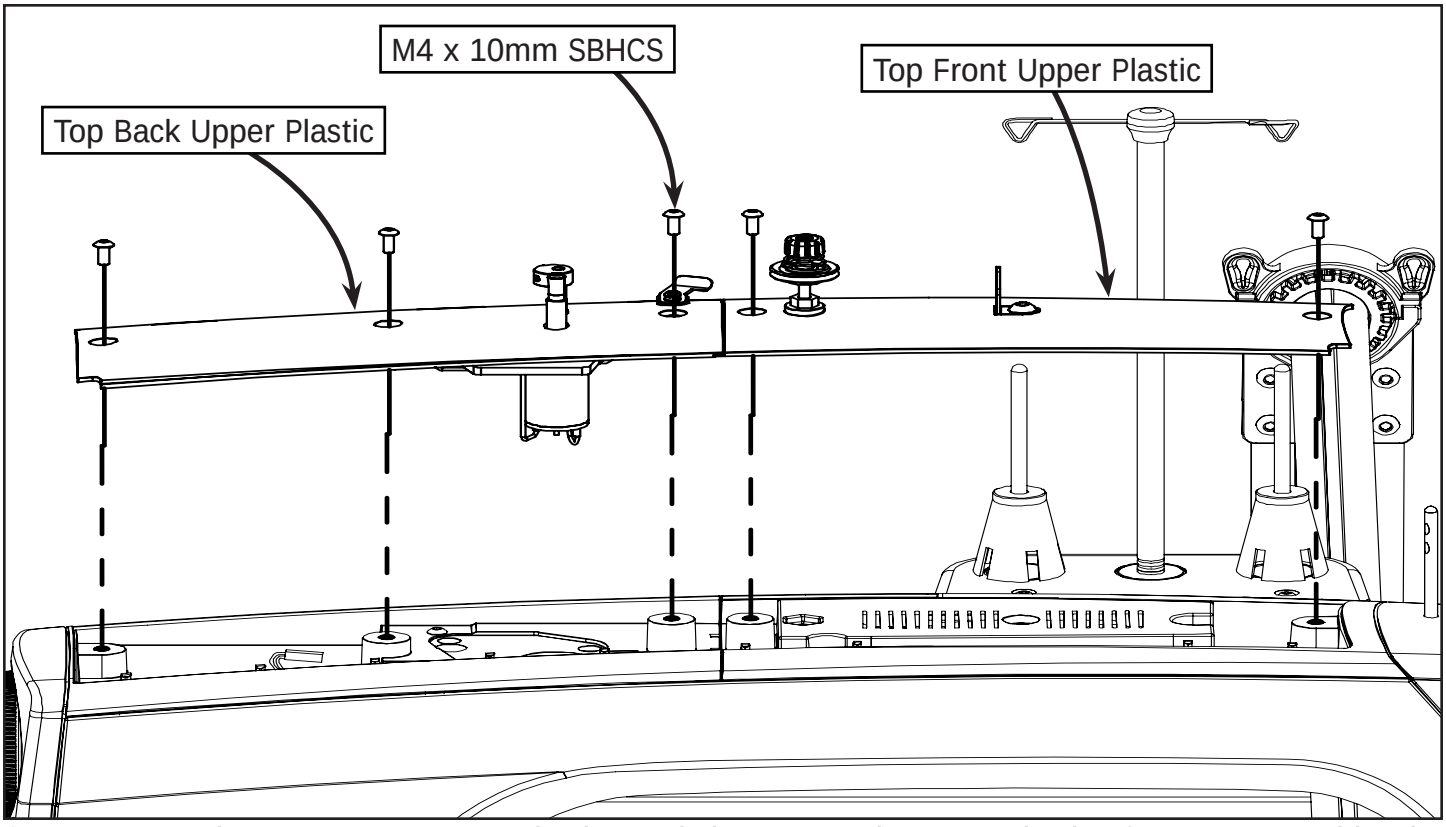
Parts Needed:

			
7' QM USB Cable (1)	**Quilt Motion Cable (1)**	**Cable Wrap (1)**	**Zip Tie (4)**

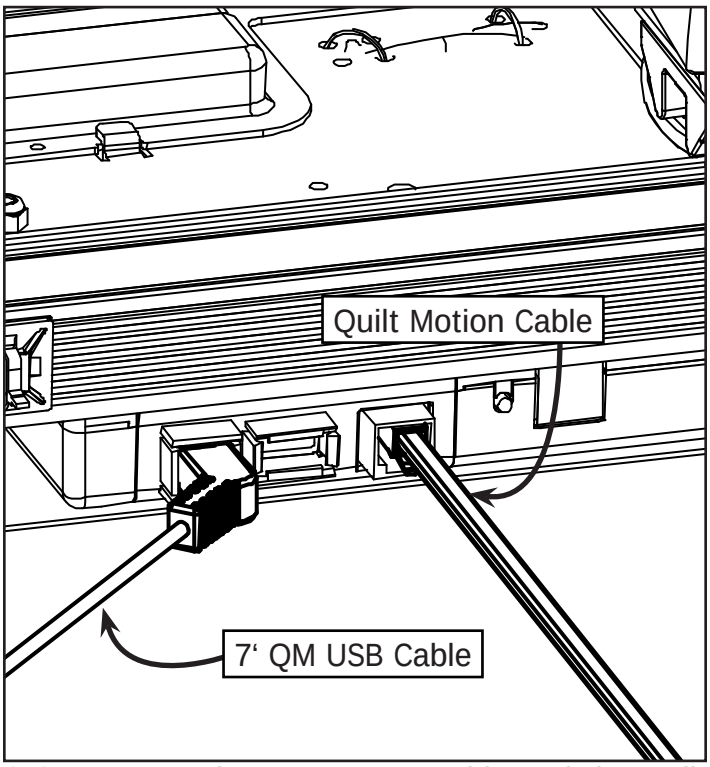
Zip Tie Mount (2)

Tools Needed:

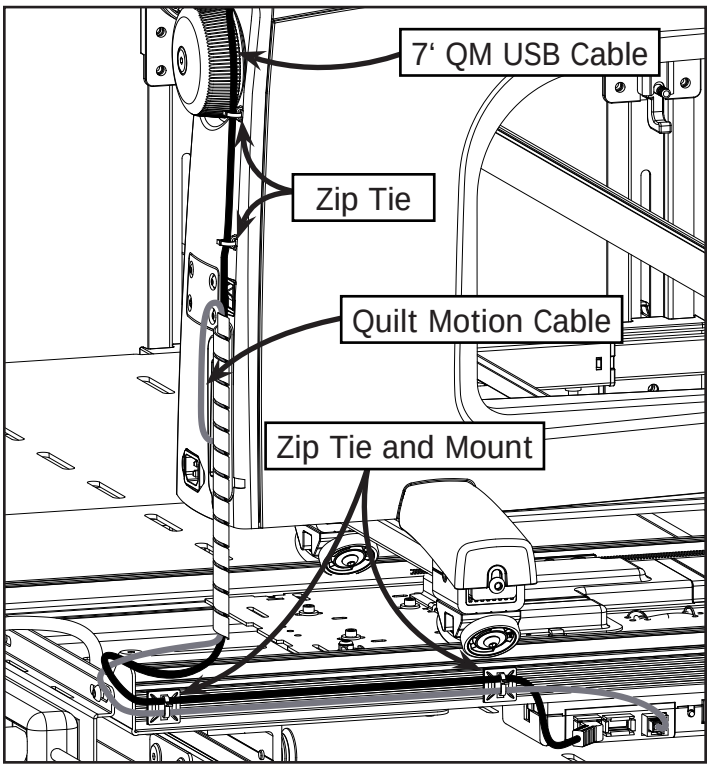
3mm Allen Wrench



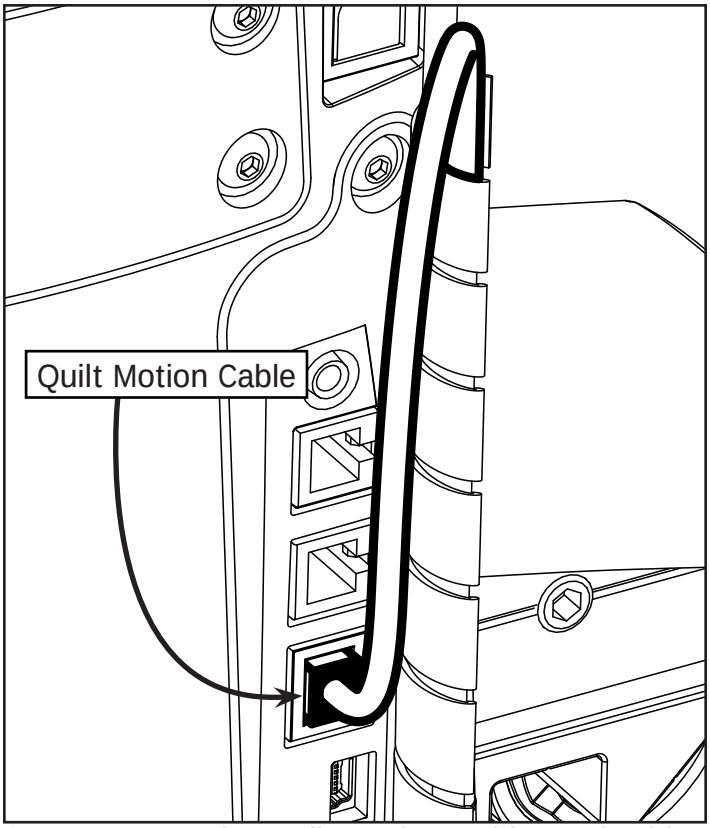
2-1: Remove the Top Front Upper Plastics and the Top Back Upper Plastics from your machine by removing the (5) M4 x 10mm SBHCS.



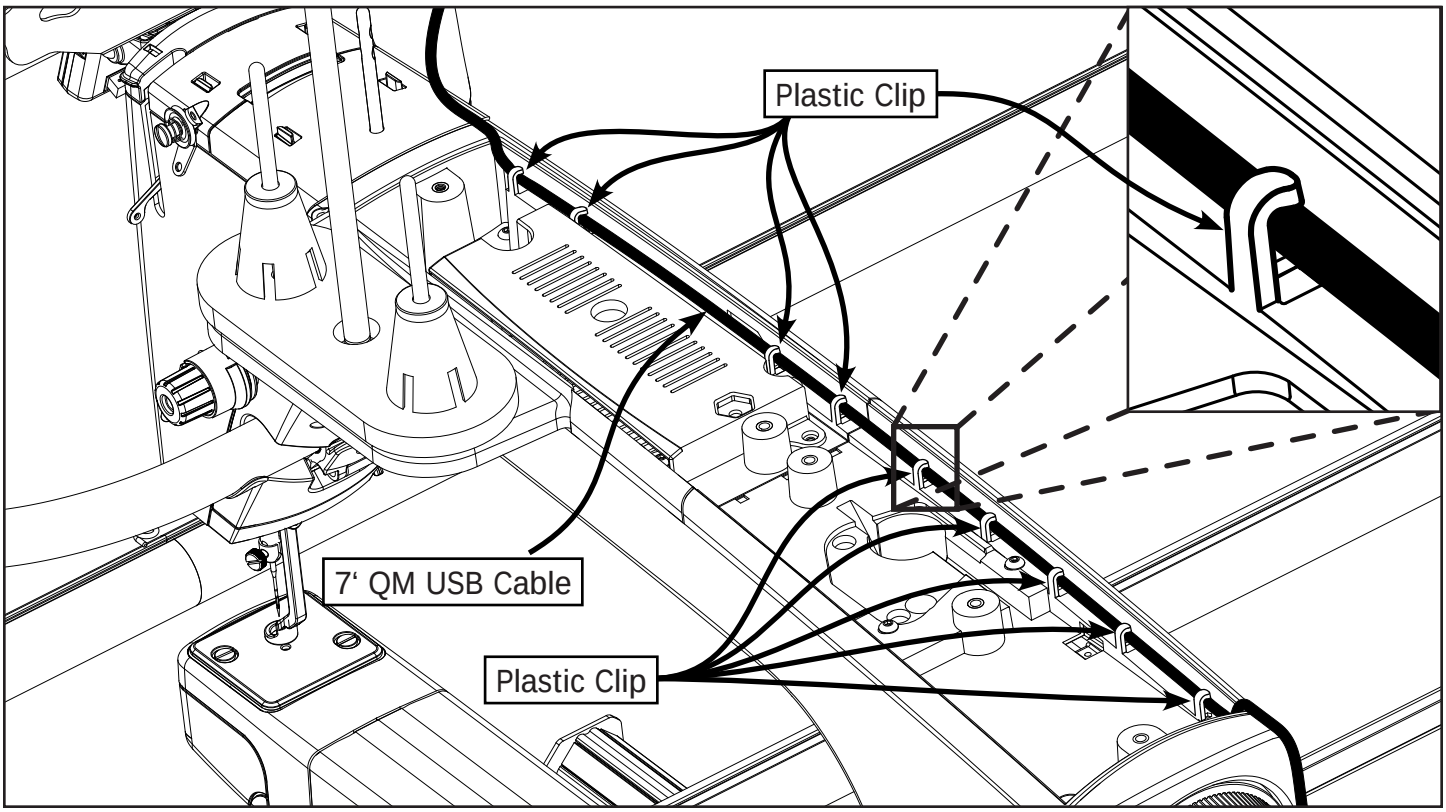
2-2: Connect the 7' QM USB Cable and the Quilt Motion Cable to the Motor Plate Control Box.



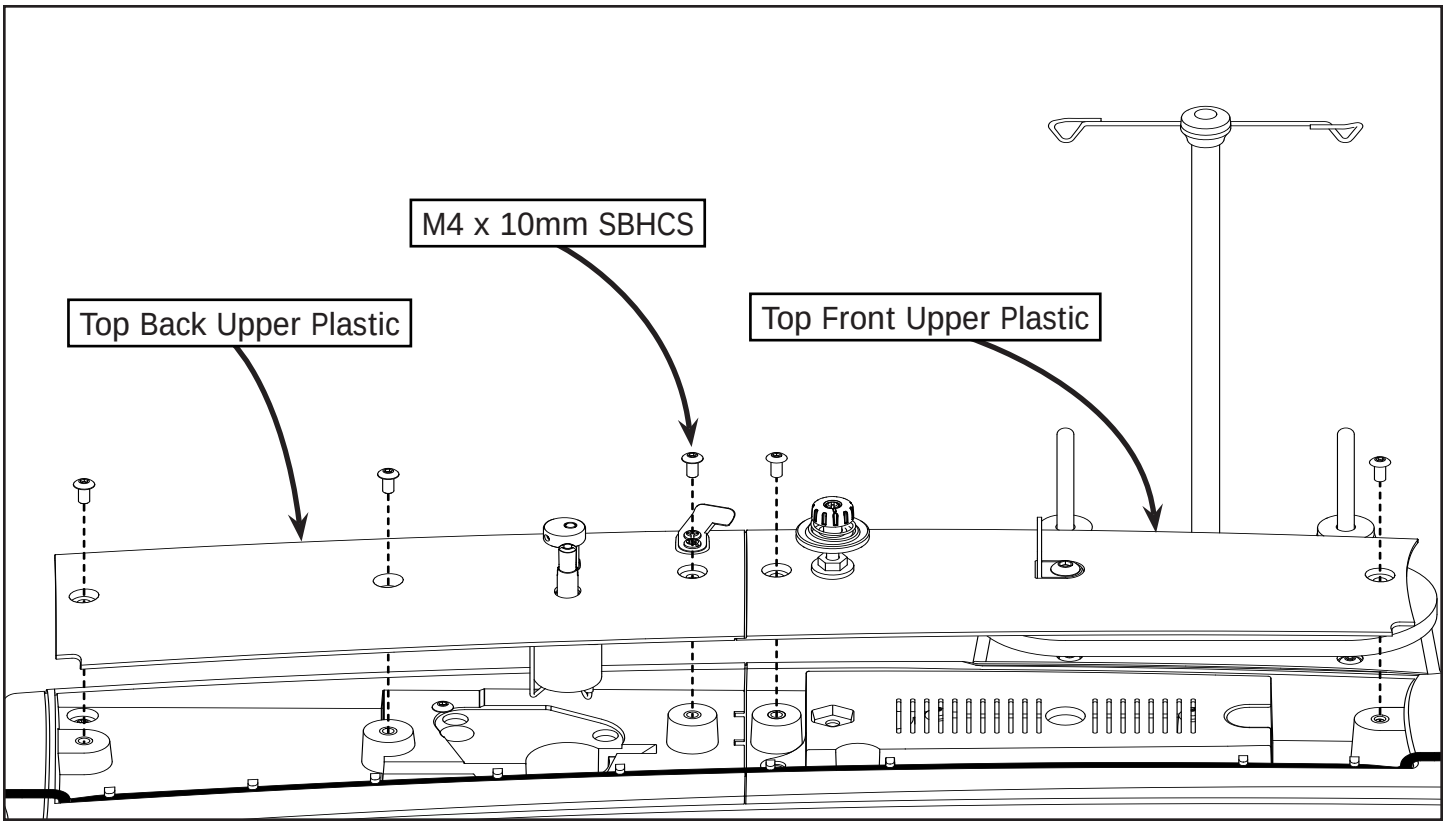
2-3: Secure the Quilt Motion Cable and the 7' QM USB Cable with Cable Wrap and (2) Zip Ties and Mounts to the carriage. Secure the 7' QM USB Cable to the back of the machine using an additional (2) Zip Ties.



2-4: Connect the Quilt Motion Cable to the blue port of your machine.



2-5: Route the remaining 7' QM USB Cable through the upper plastic clips.



2-6: Reinstall the Top Front Upper Plastics and the Top Back Upper Plastics from your machine using the (5) M4 x 10mm SBHCS from Step 2.1 making sure to not pinch the 7' QM USB Cable.

QCT Bracket

Step 1: Attaching the Tablet Mount - Q’nique 19” 14

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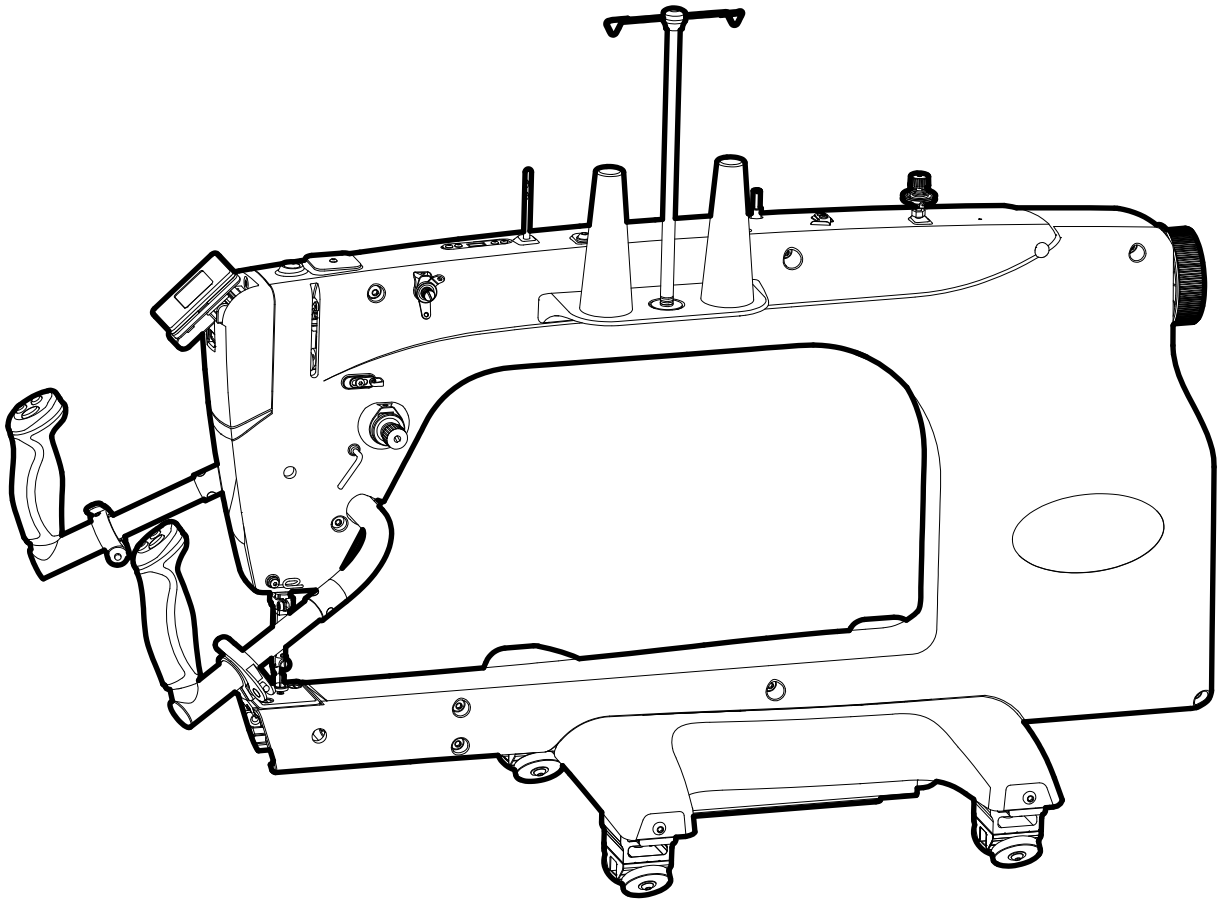
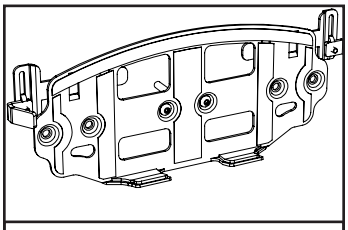
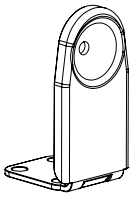
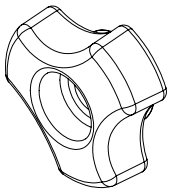
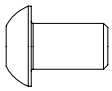
Step 2: Cord Setup for the Bottom Carriage 16



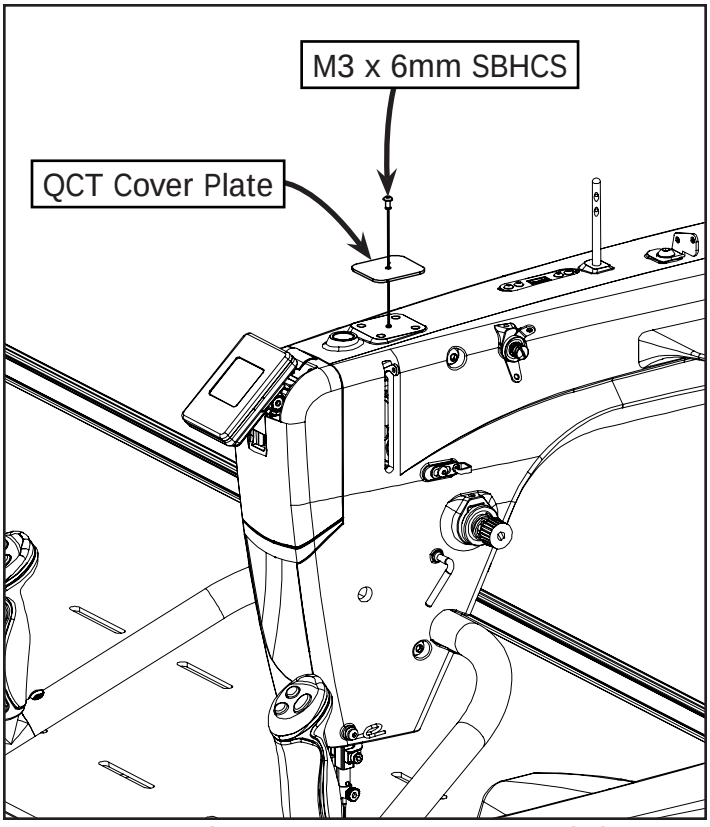
Step 1 - Attaching the Tablet Mount

Parts Needed:

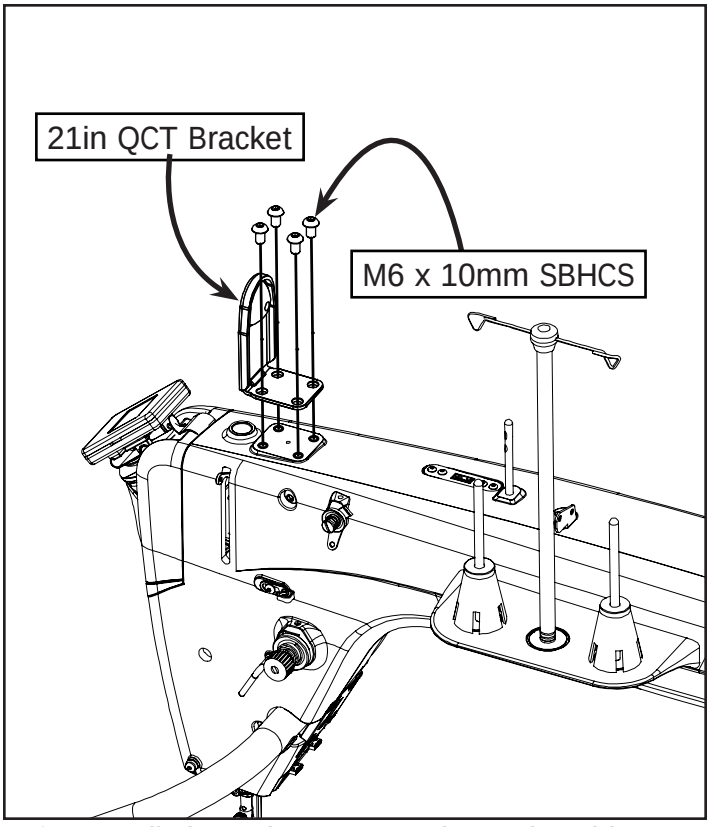
			
Tablet Tray (1)	**21in QCT Bracket (1)**	**3 Wing Knob M6 (1)**	**M6 x 10mm SBHCS (4)**

Tools Needed:

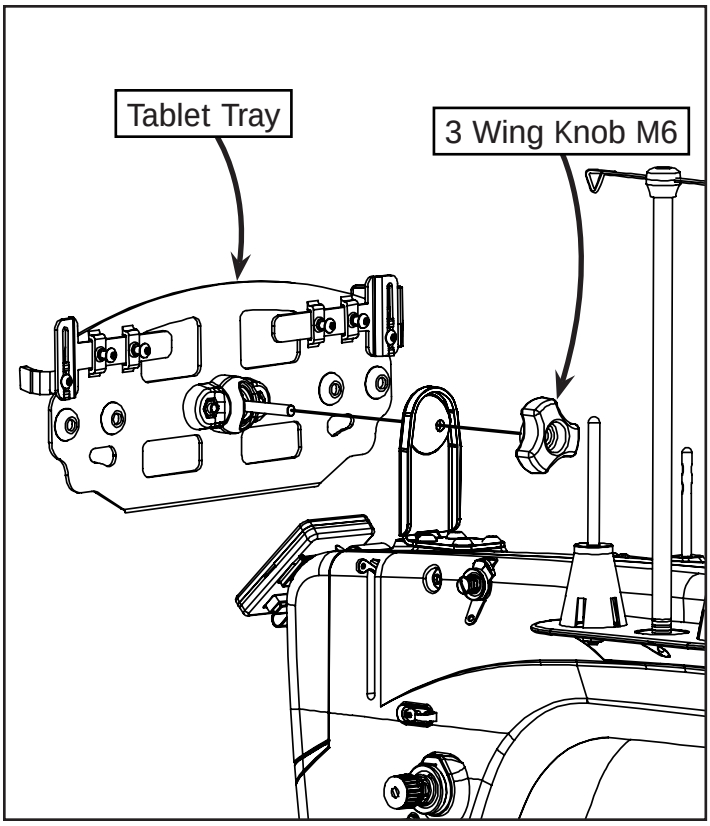
2.5mm Allen Wrench
4mm Allen Wrench



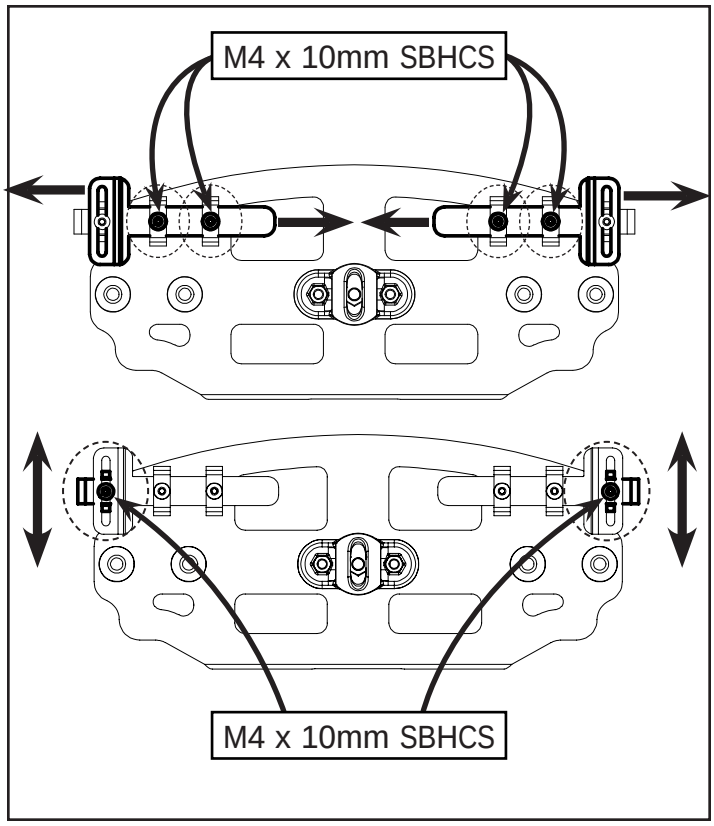
1-1: Remove the M3 x 6mm SBHCS and the QCT Cover Plate.



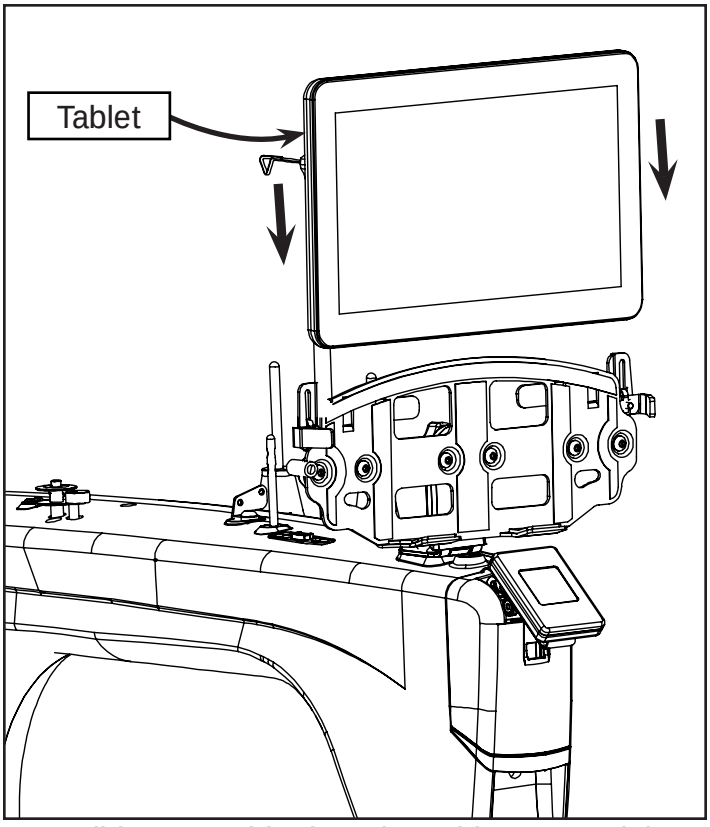
1-2: Install the 21in QCT Bracket using (4) M6 x 10mm SBHCS.



1-3: Install the Tablet Tray to the 21in QCT Bracket using the 3 Wing Knob M6.



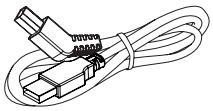
1-4: Loosen the circled M4 x 10mm SBHCS in order to adjust the arms of the Tablet Tray to fit your tablet.



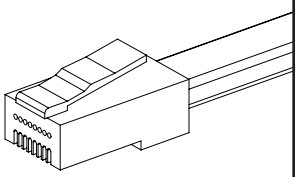
1-5: Slide your tablet into the Tablet Tray. Tighten the screws that were loosened in Step 1-4.

Step 2 - Cord Setup for the Bottom Carriage

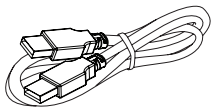
Parts Needed:



USB-A to USB-B Cable (1)



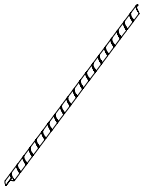
Quilt Motion Cable (1)



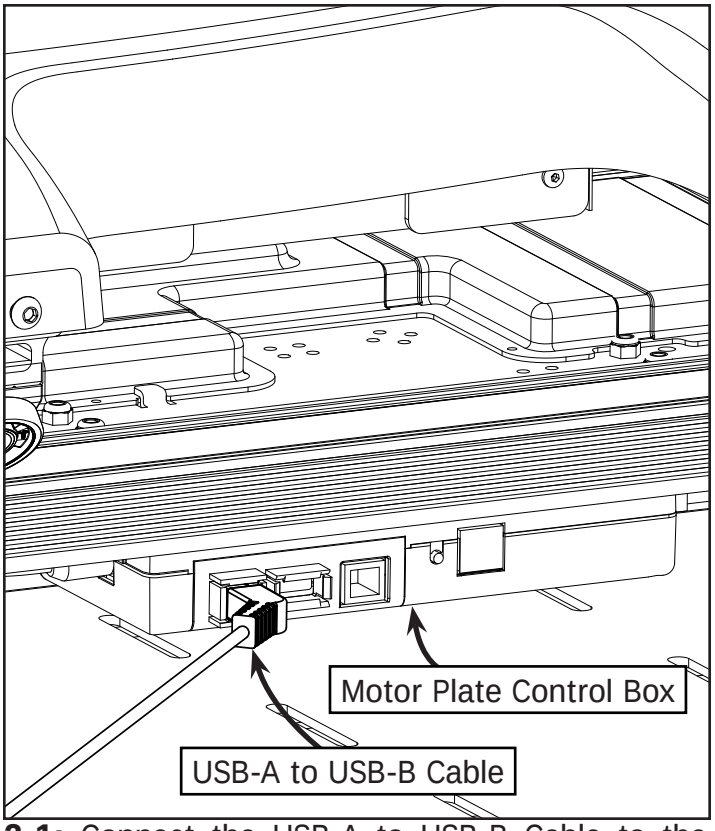
Male to Male USB Adapter Cable (1)

Zip Tie (2)

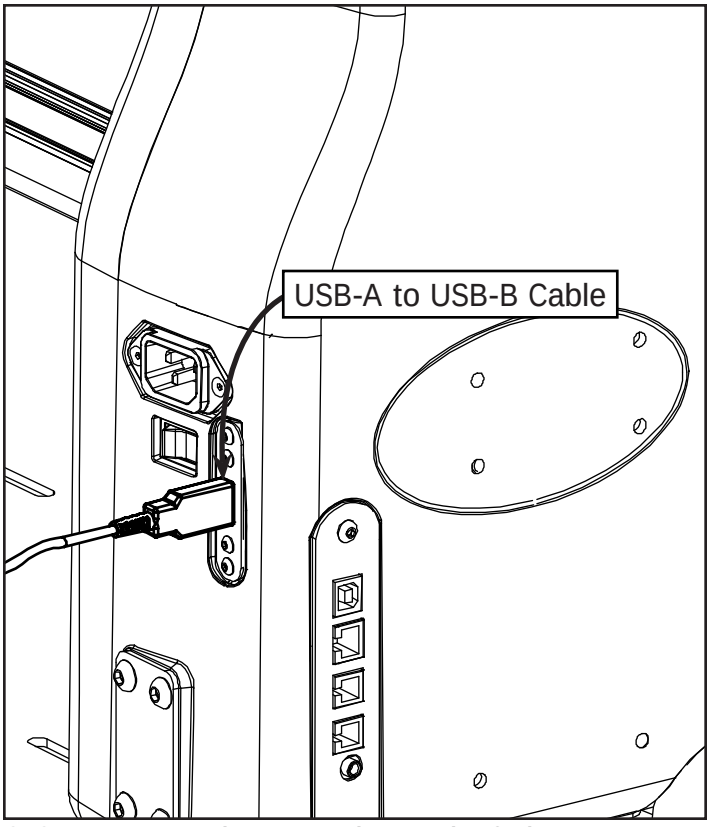
Zip Tie Mount (2)



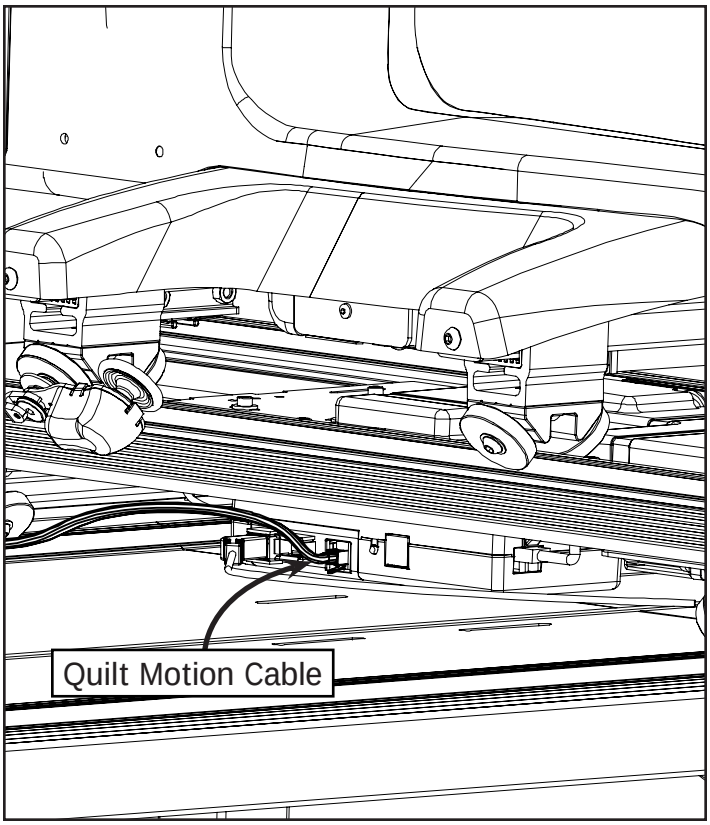
Cable Wrap (1)



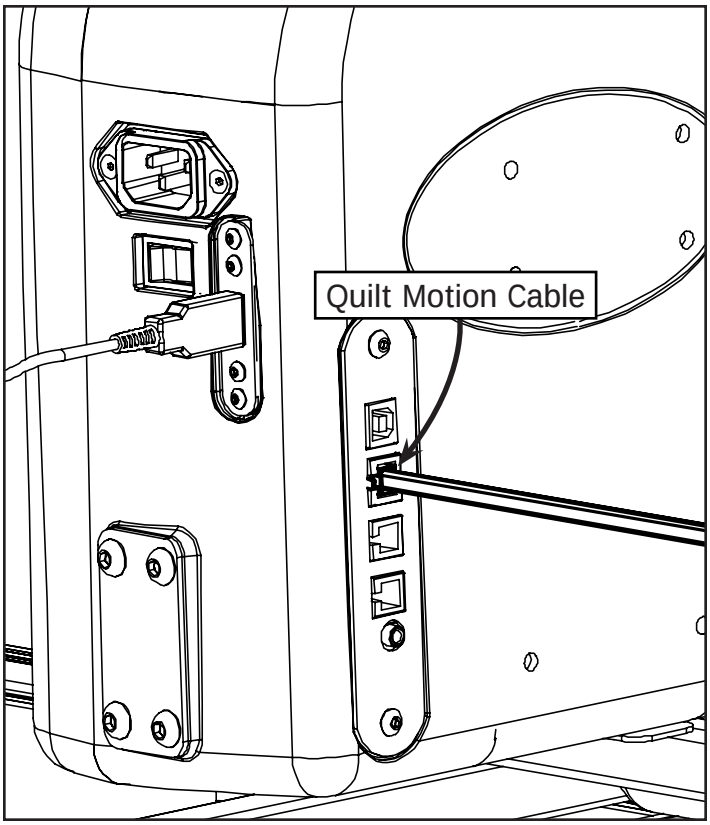
2-1: Connect the USB-A to USB-B Cable to the Motor Plate Control Box.



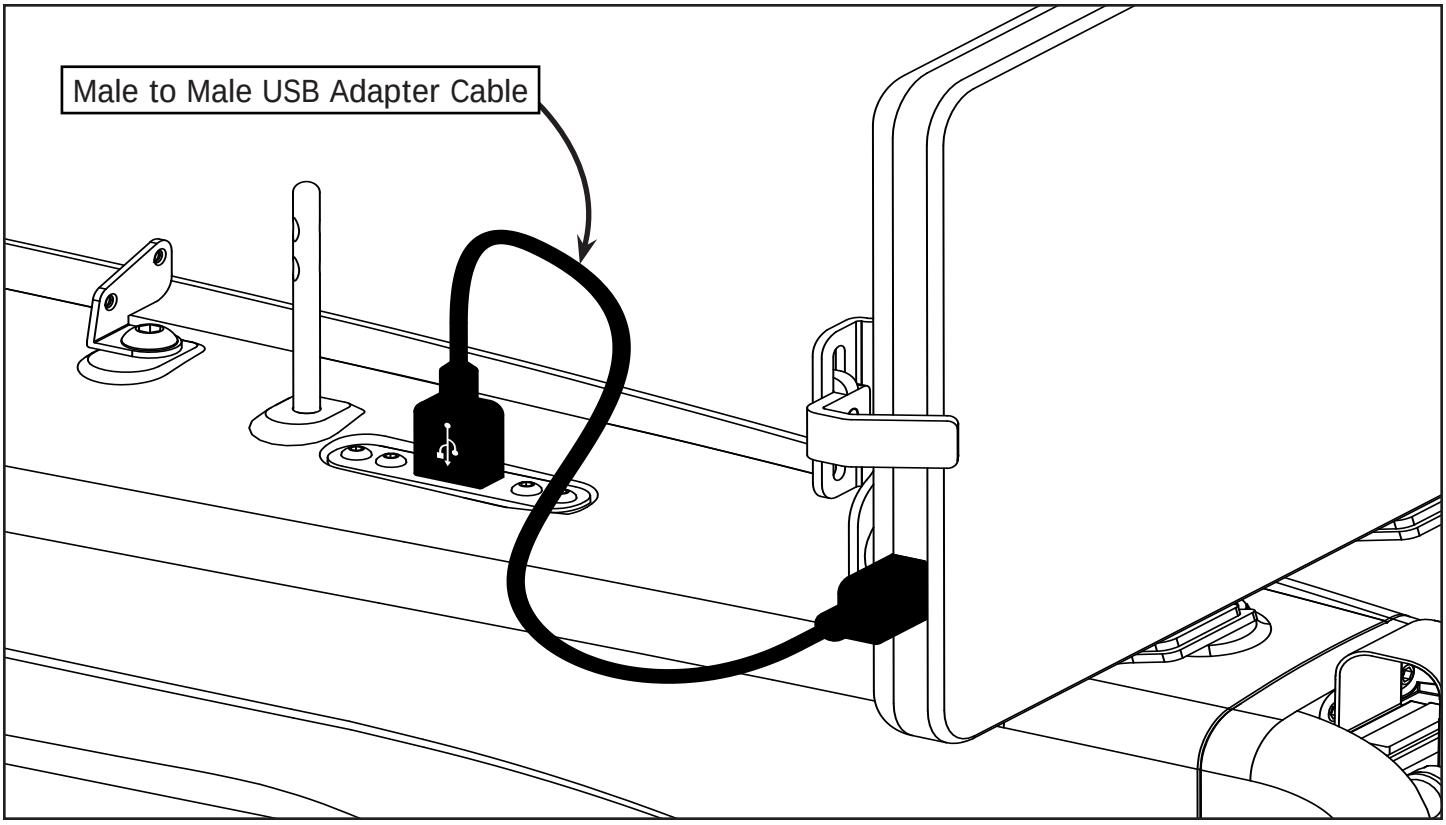
2-2: Connect the opposite end of the USB-A to USB-B Cable to the USB Port on the back of your machine.



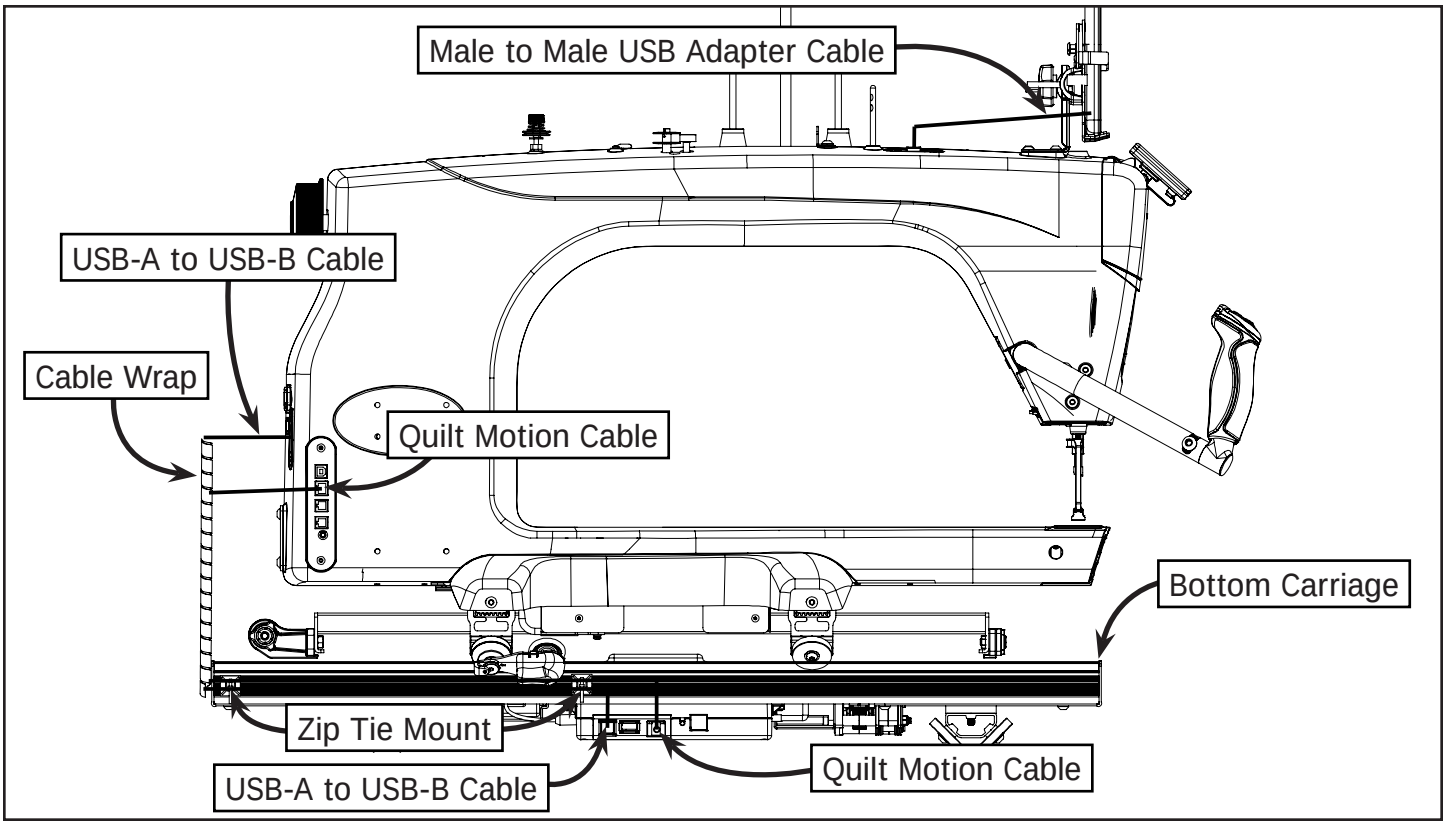
2-3: Connect the Quilt Motion Cable to the Motor Plate Control Box.



2-4: Connect the opposite end of the Quilt Motion Cable to the Blue Port on the back of your machine.



2-5: Connect the Male to Male USB Adapter Cable to the port on the top of your machine. Connect the opposite end to your tablet.



2-6: Secure Zip Tie Mounts to the Bottom Carriage. Wrap the USB-A to USB-B Cable and Quilt Motion Cable together in the Cable Wrap and route cables as shown.

Note: Be sure to leave enough slack in the cables to allow for the full range of motion of the machine.

QCT Bracket

Step 1: Attaching the Tablet Mount - G-Series 2 Top Plate 20

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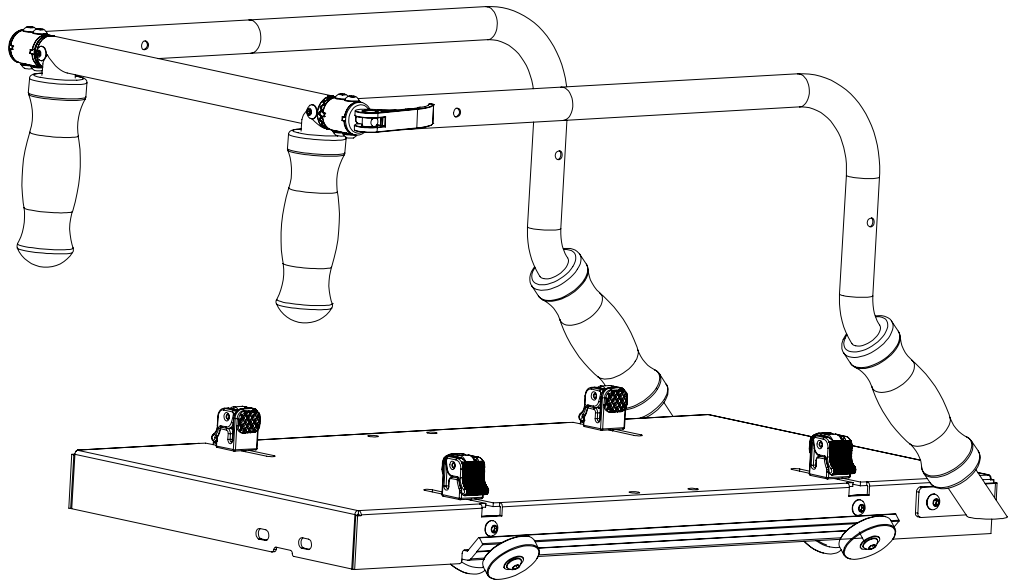
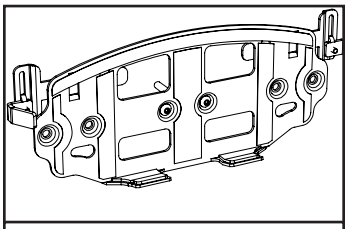
Step 2: Cord Setup for the Bottom Carriage 22

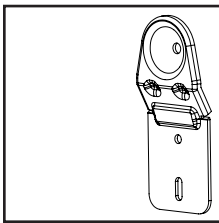


Step 1 - Attaching the Tablet Mount

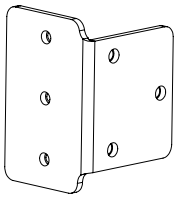
Parts Needed:



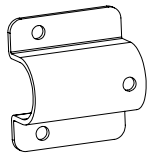
Tablet Tray (1)



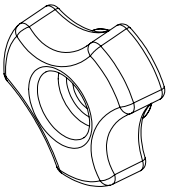
QCT Bracket Top Plate (1)



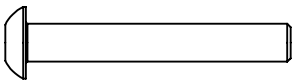
QCT Angle Support Bracket (1)



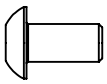
QCT Top Plate U-Bracket (1)



3 Wing Knob M6 (2)



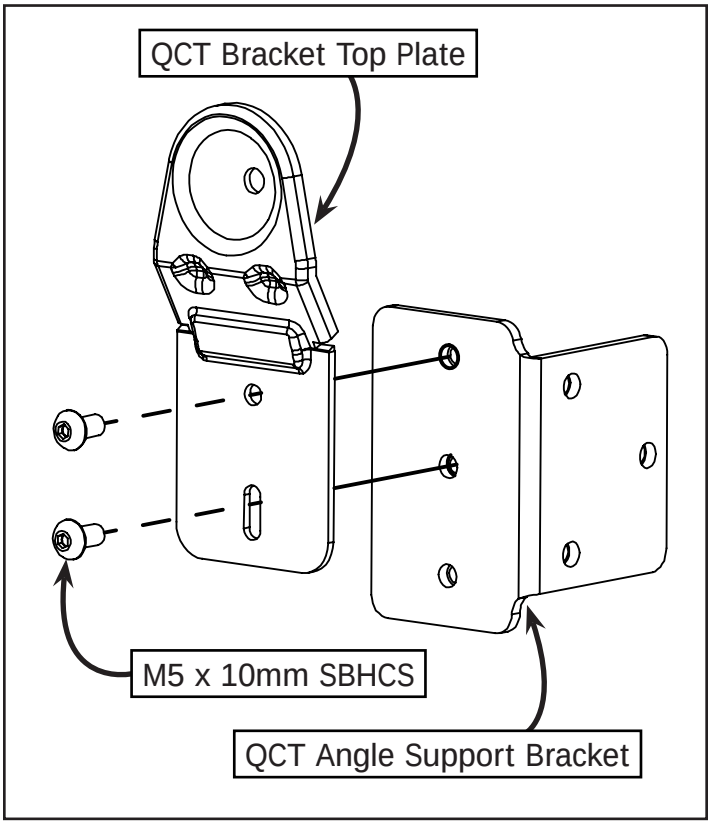
M5 x 35mm SBHCS (1)



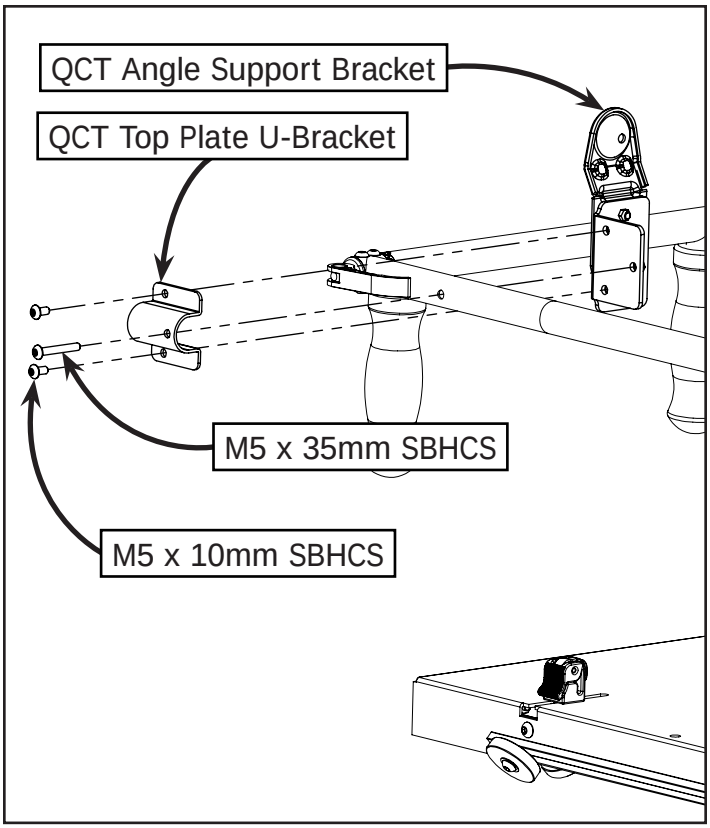
M5 x 10mm SBHCS (4)

Tools Needed:

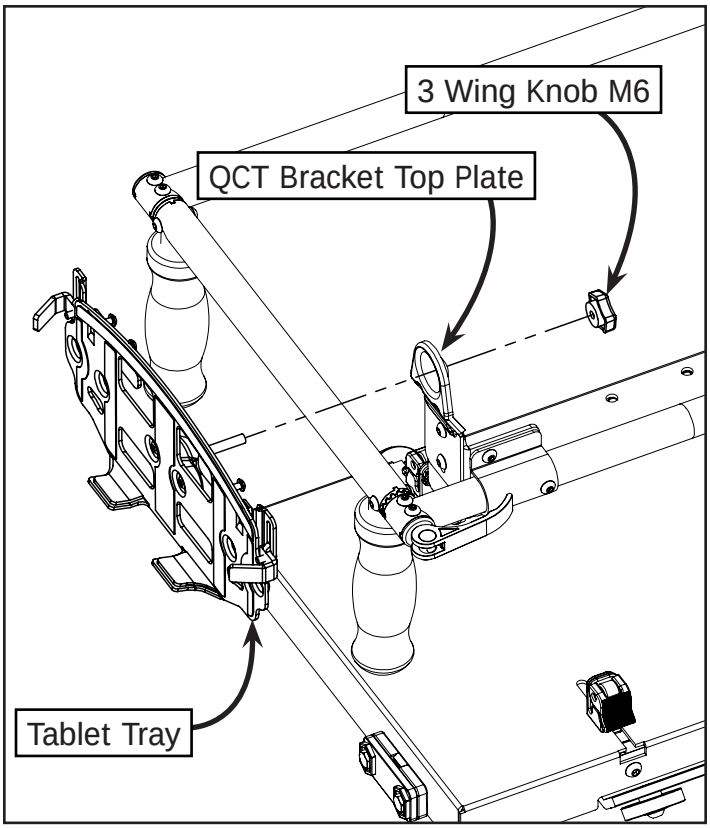
2.5mm Allen Wrench
4mm Allen Wrench



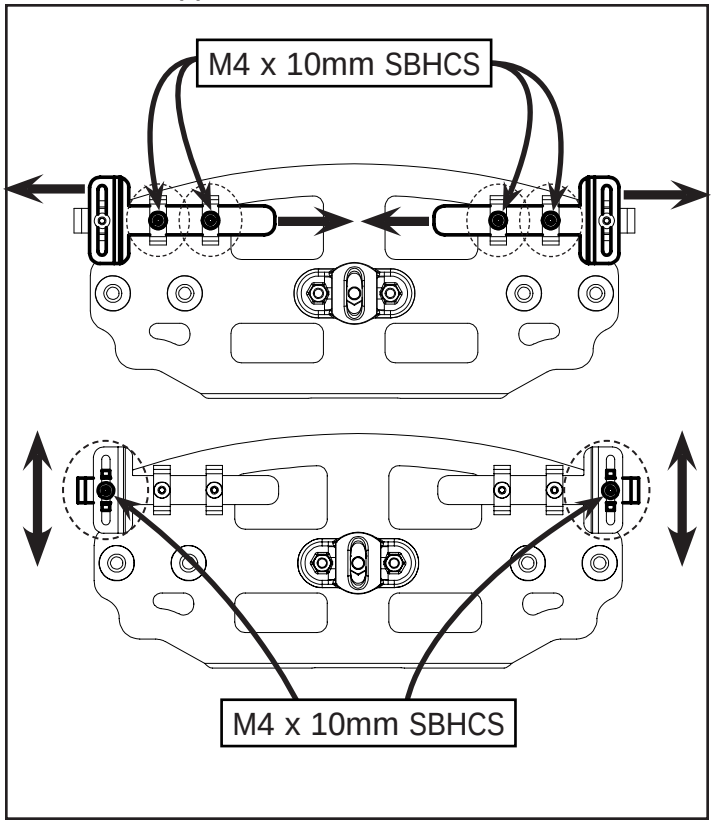
1-1: Attach the QCT Bracket Top Plate to the QCT Angle Support Bracket using (2) M5 x 10mm SBHCS.



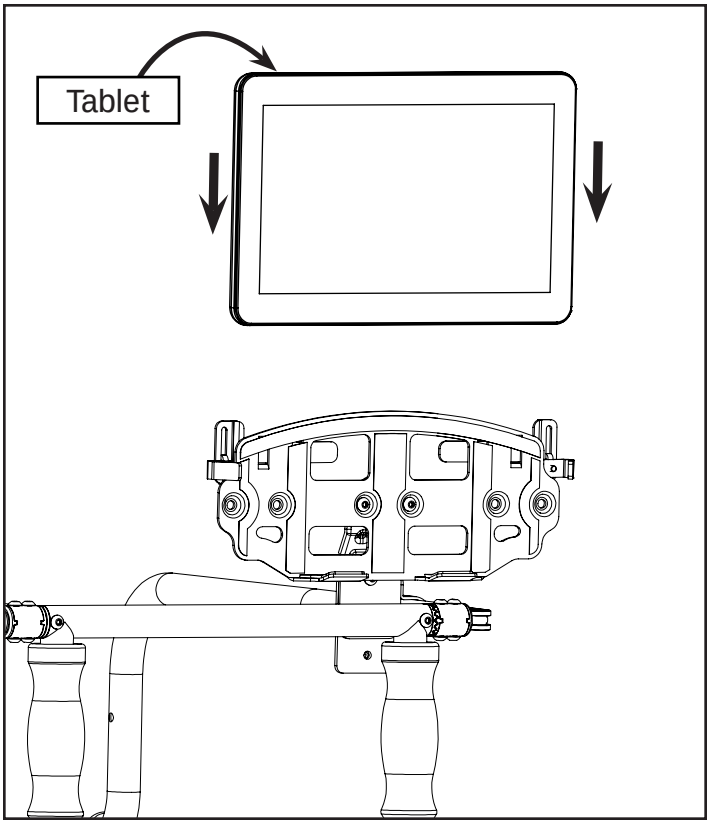
1-2: Attach the QCT Top Plate U-Bracket and the QCT Angle Support Bracket using (2) M5 x 10mm SBHCS and (1) M5 x 35mm SBHCS.



1-3: Install the Tablet Tray using the 3 Wing Knob M6 to the QCT Bracket Top Plate.



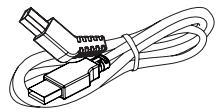
1-4: Loosen the circled M4 x 10mm SBHCS in order to adjust the arms of the Tablet Tray to fit your tablet.



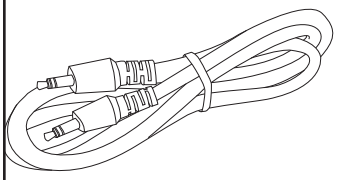
1-5: Slide your tablet into the Tablet Tray. Tighten the screws that were loosened in Step 1-4.

Step 2 - Cord Setup for the Bottom Carriage

Parts Needed:



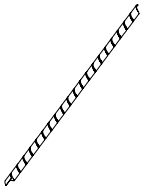
USB-A to USB-B Cable (1)



Sewing Cable (Juki 98) (1)

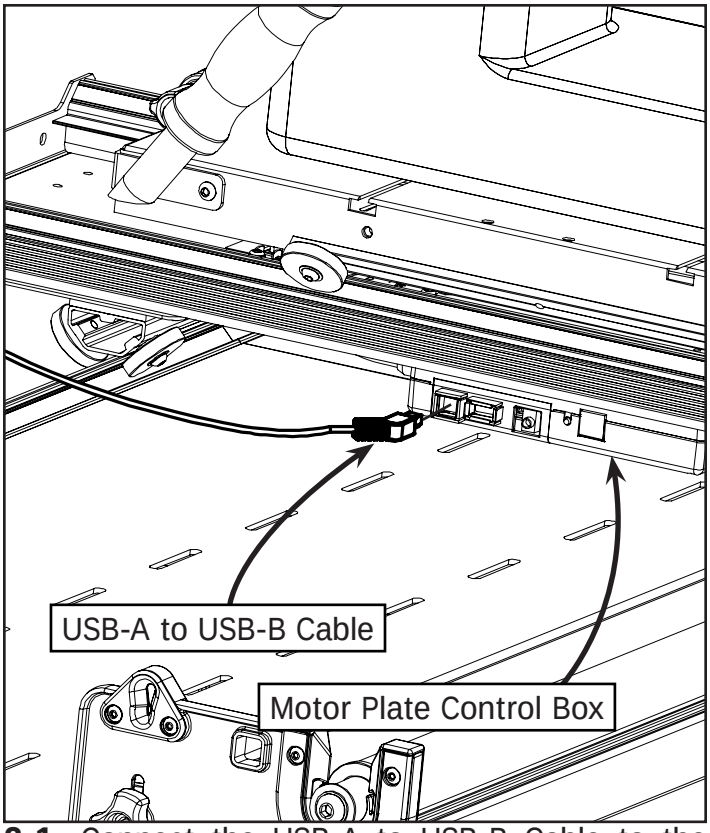
Zip Tie Mount (6)

Zip Tie (6)

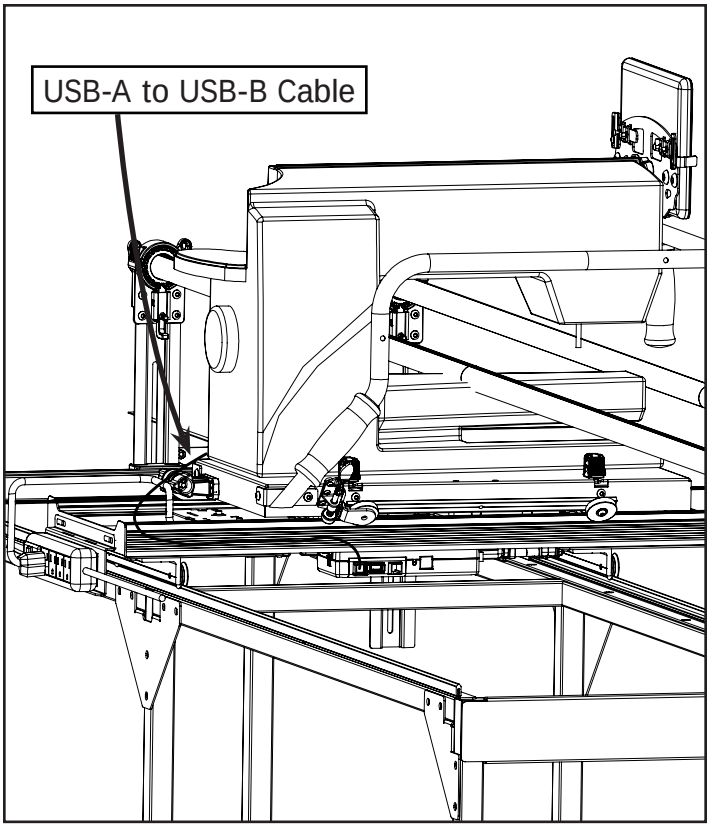


Cable Wrap (1)

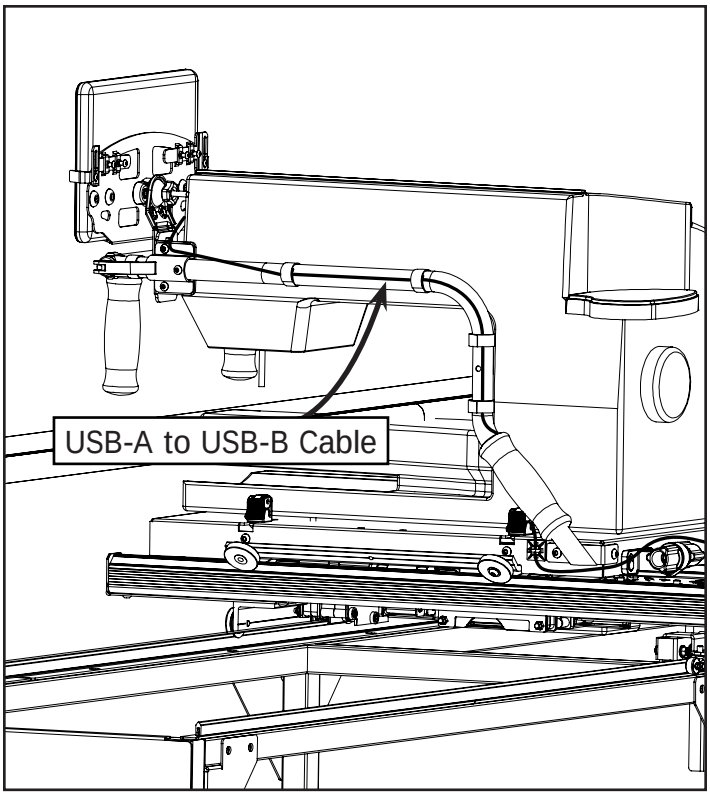
Velcro Strips (6)



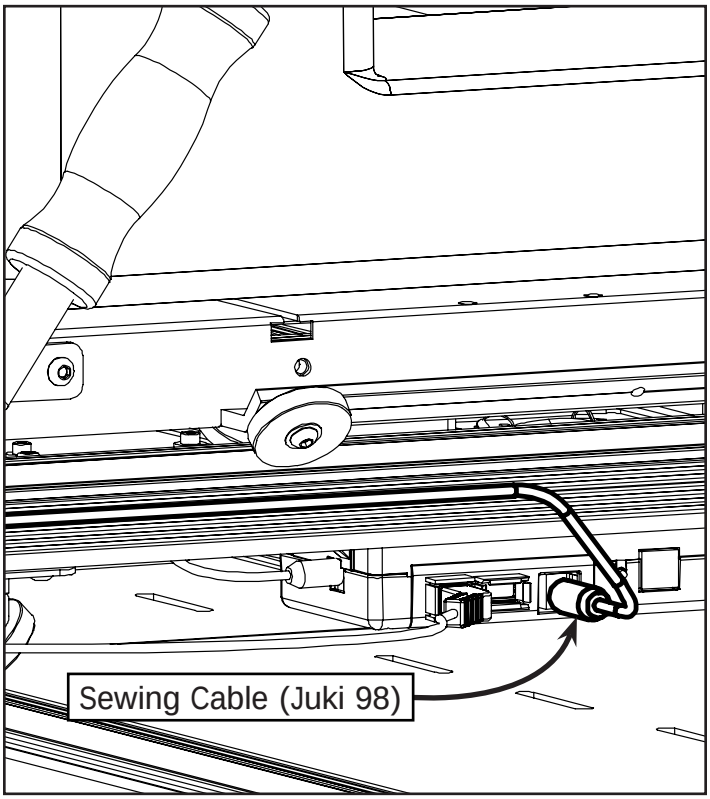
2-1: Connect the USB-A to USB-B Cable to the Motor Plate Control Box.



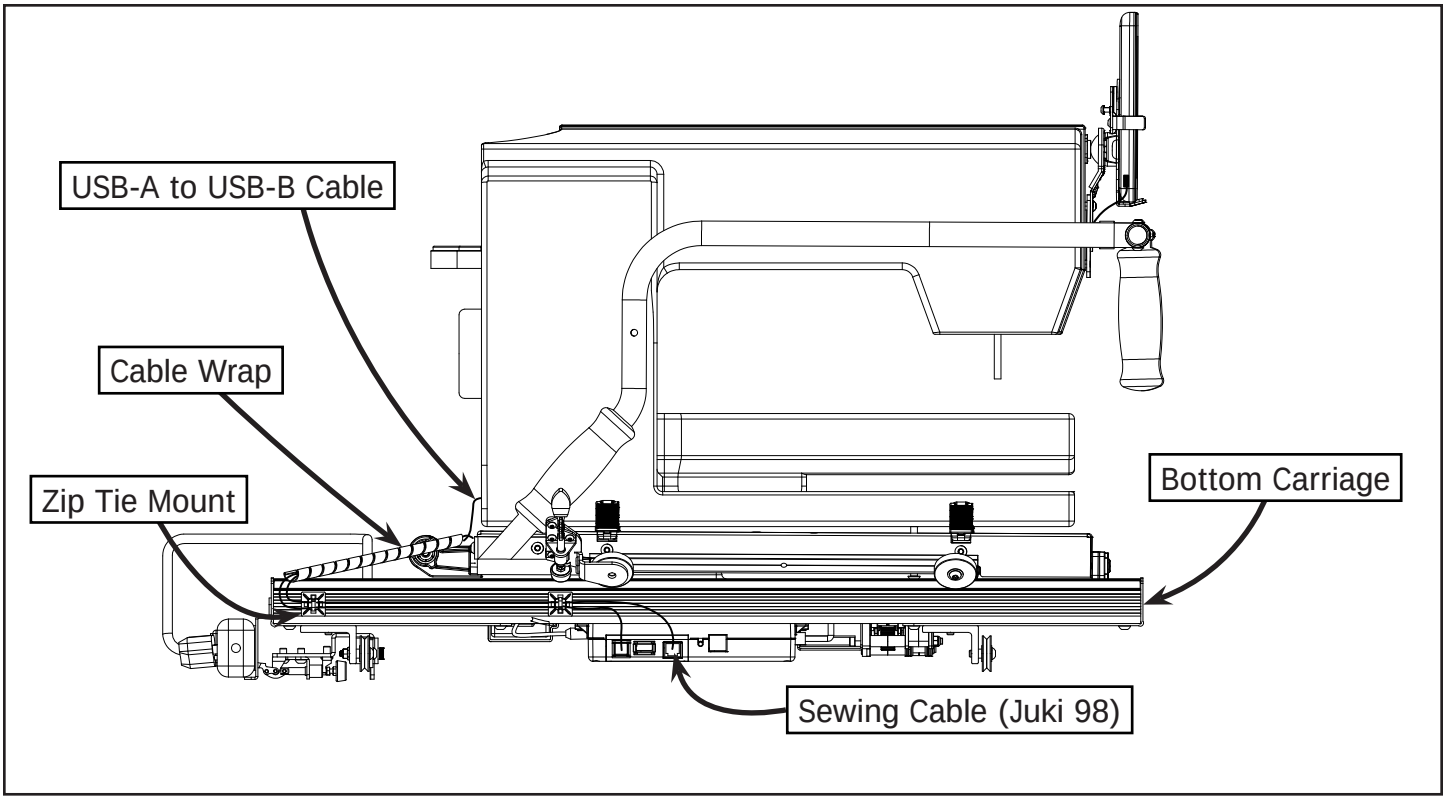
2-2: Route the USB-A to USB-B Cable long the side of the Top Plate as shown.



2-3: Connect the opposite end of the USB-A to USB-B Cable to the USB Port on your tablet.
Note: Secure to handles with Velcro Strips.



2-4: Connect the Sewing Cable (Juki 98) to the Motor Plate Control Box. Connect the opposite end to the foot pedal port of your sewing machine.



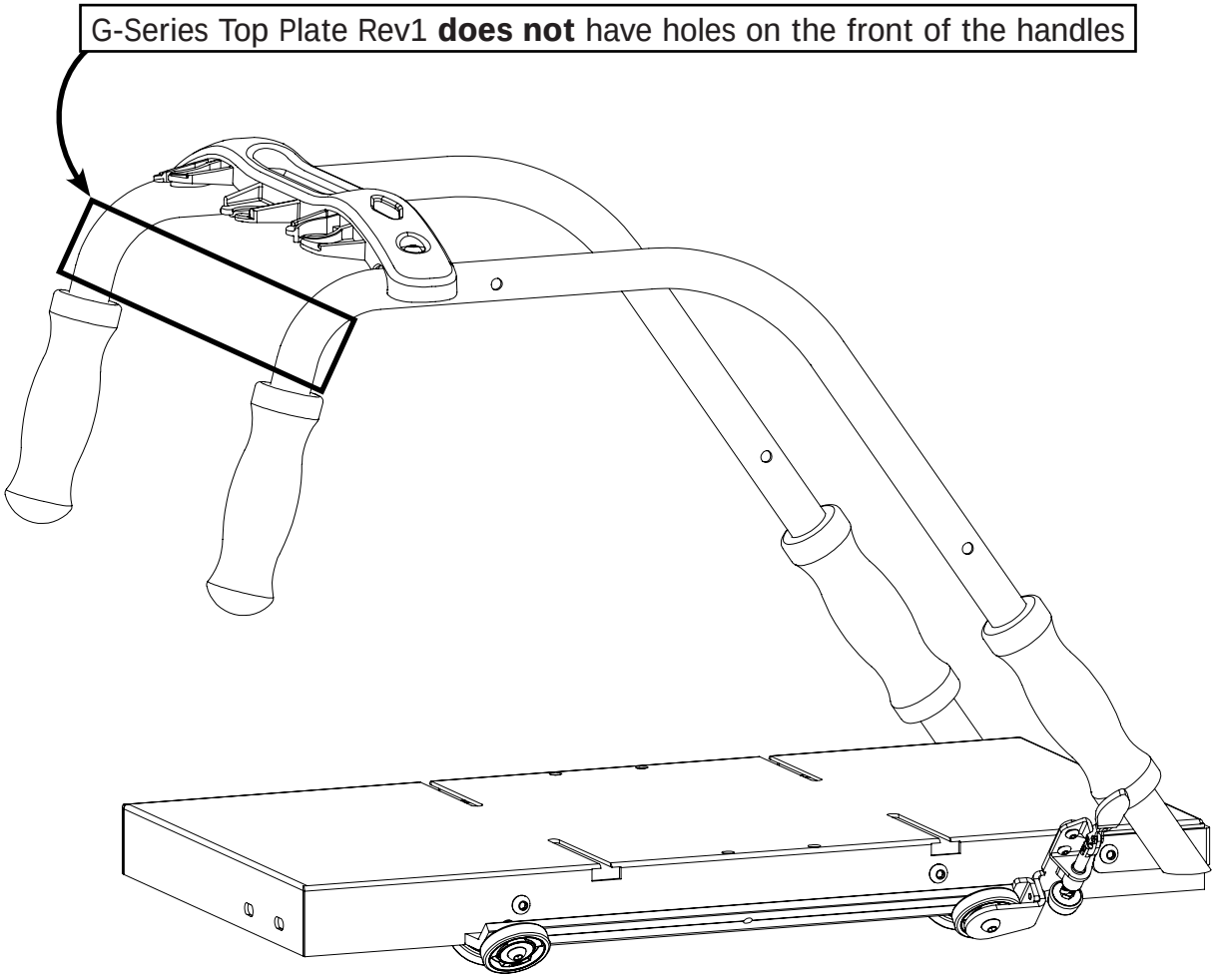
2-5: Secure Zip Tie Mounts to the Bottom Carriage. Wrap the USB-A to USB-B Cable and Sewing Cable (Juki 98) together in the Cable Wrap and route cables as shown.
Note: Be sure to leave enough slack in the cables to allow for the full range of motion of the machine.

QCT Bracket

Step 1: Attaching the Tablet Mount - G-Series V1 Top Plate 25

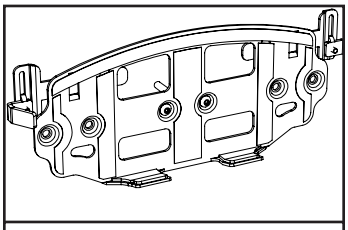
Wiring Instructions

Step 2: Cord Setup for the Bottom Carriage 27

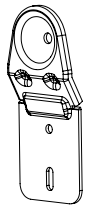


Step 1 - Attaching the Tablet Mount - G-Series Top Plate V1

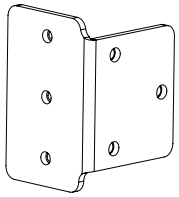
Parts Needed:



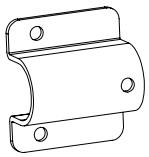
Tablet Tray (1)



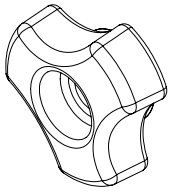
QCT Bracket Top Plate (1)



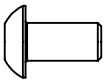
QCT Angle Support Bracket (1)



QCT Top Plate U-Bracket (1)



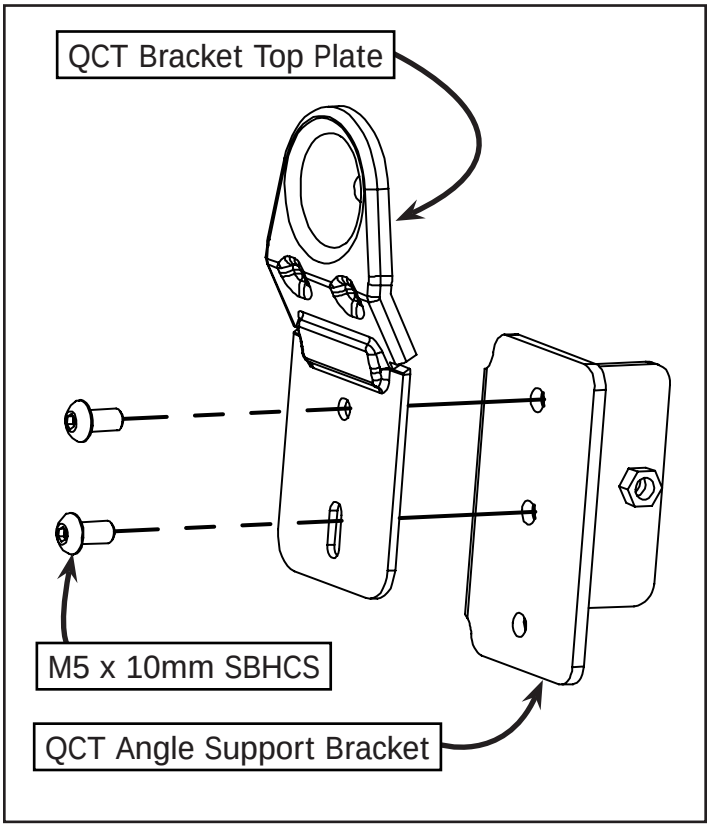
3 Wing Knob M6 (1)



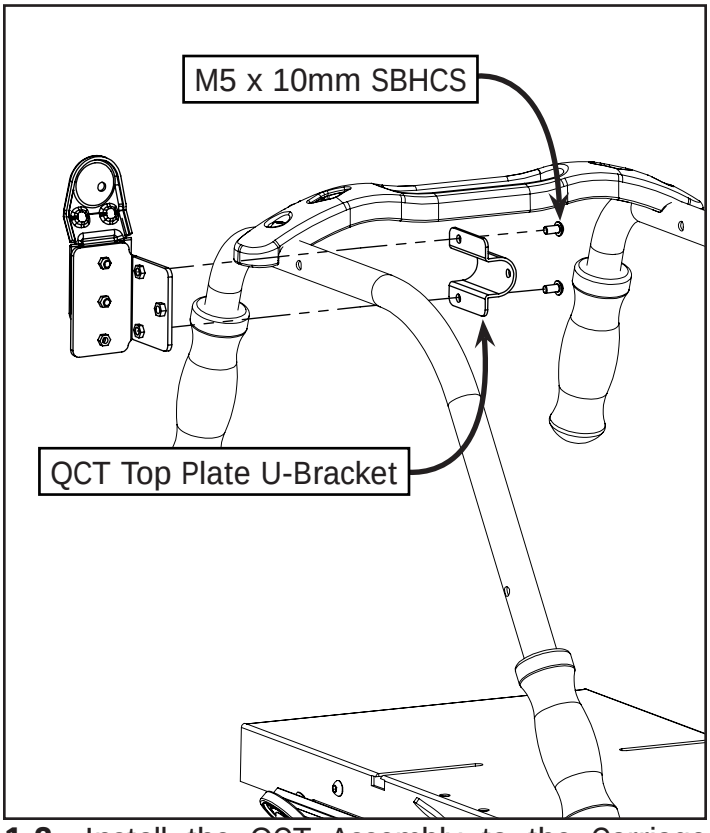
M5 x 10mm SBHCS (4)

Tools Needed:

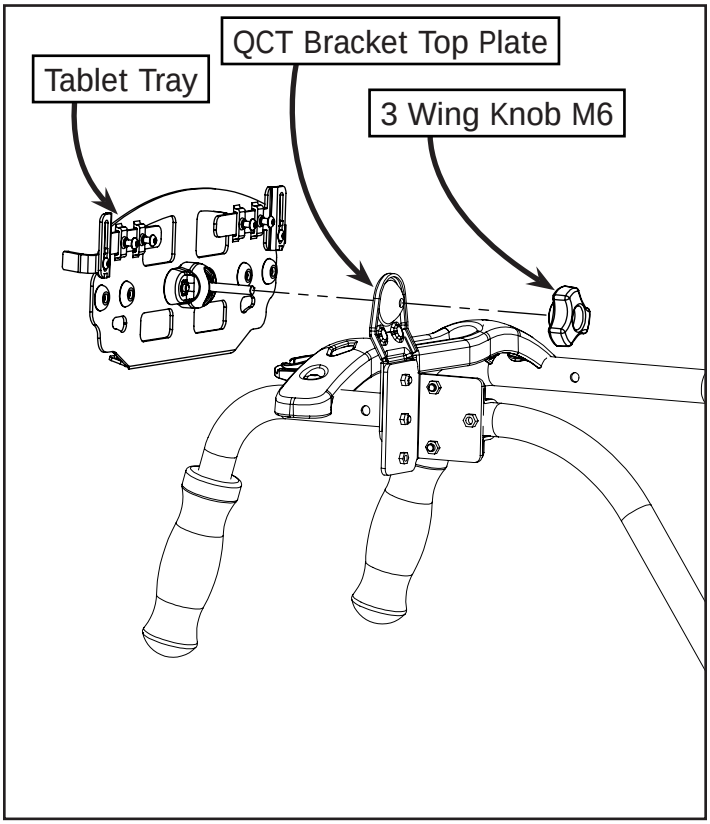
2.5mm Allen Wrench
4mm Allen Wrench



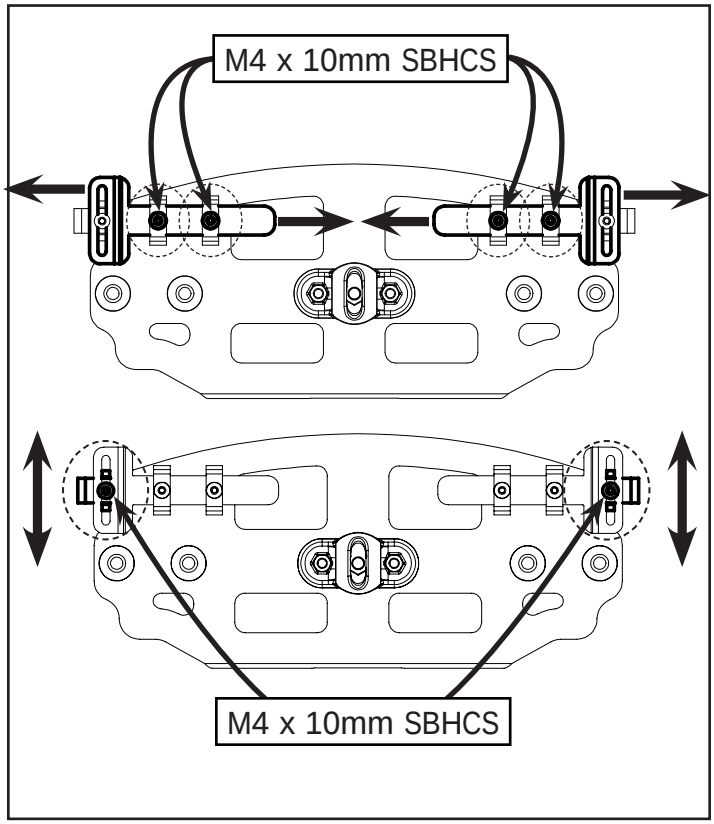
1-1: Attach the QCT Bracket Top Plate to the QCT Angle Support Bracket using (2) M5 x 10mm SBHCS.



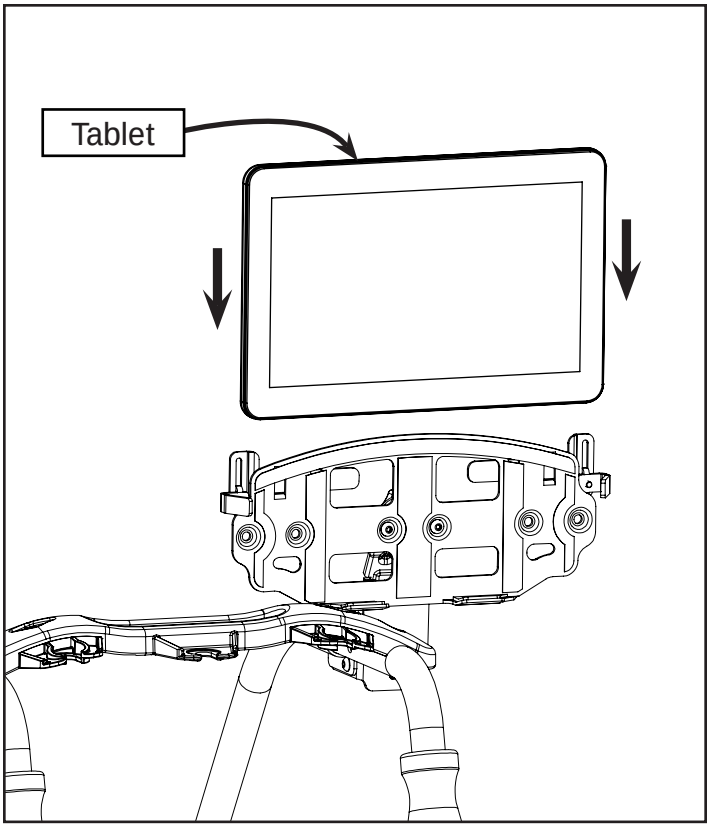
1-2: Install the QCT Assembly to the Carriage using the QCT Top Plate U-Bracket, (2) M5 x 10mm SBHCS.



1-3: Install the Tablet Tray to the QCT Bracket Top Plate using (1) 3 Wing Knob M6.



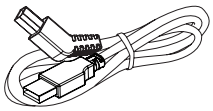
1-4: Loosen the circled M4 x 10mm SBHCS in order to adjust the arms of the Tablet Tray to fit your tablet.



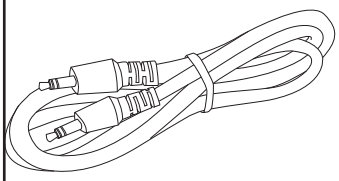
1-5: Slide your tablet into the Tablet Tray. Tighten the screws that were loosened in Step 1-4.

Step 2 - Cord Setup for the Bottom Carriage

Parts Needed:



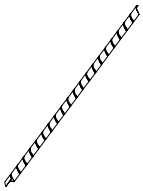
USB-A to USB-B Cable (1)



Sewing Cable (Juki 98) (1)

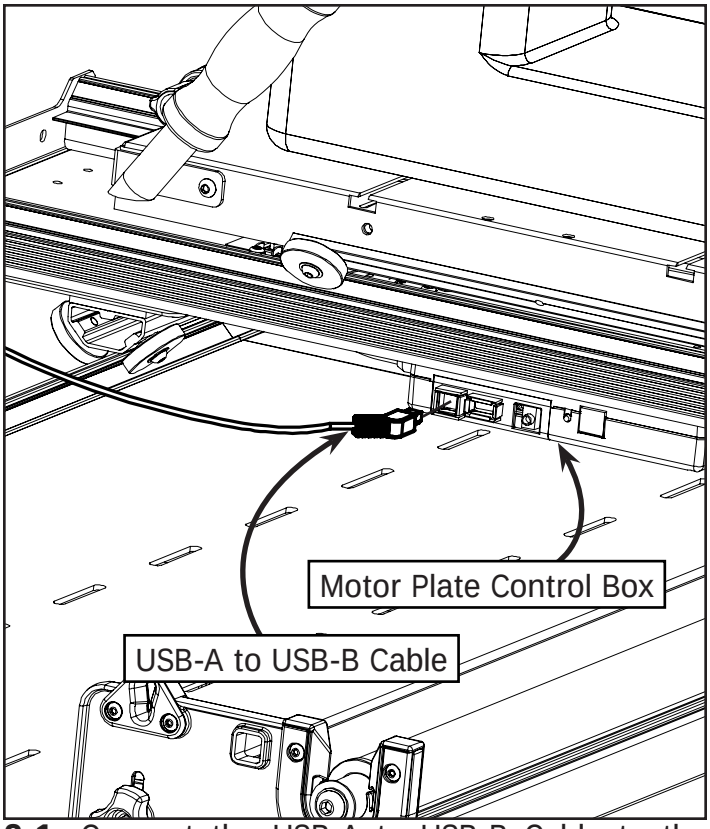
Zip Tie Mount (6)

Zip Tie (6)

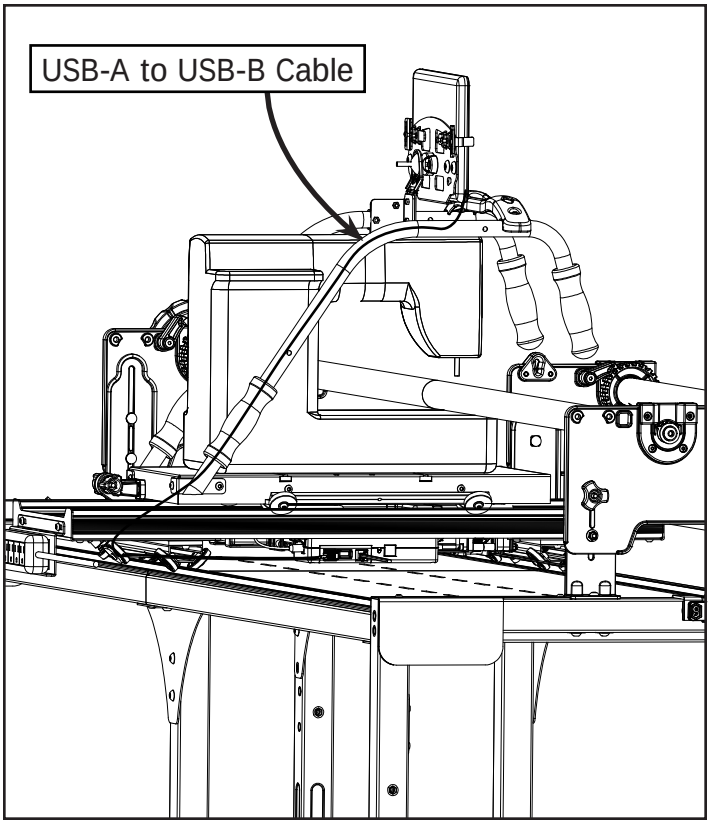


Cable Wrap (1)

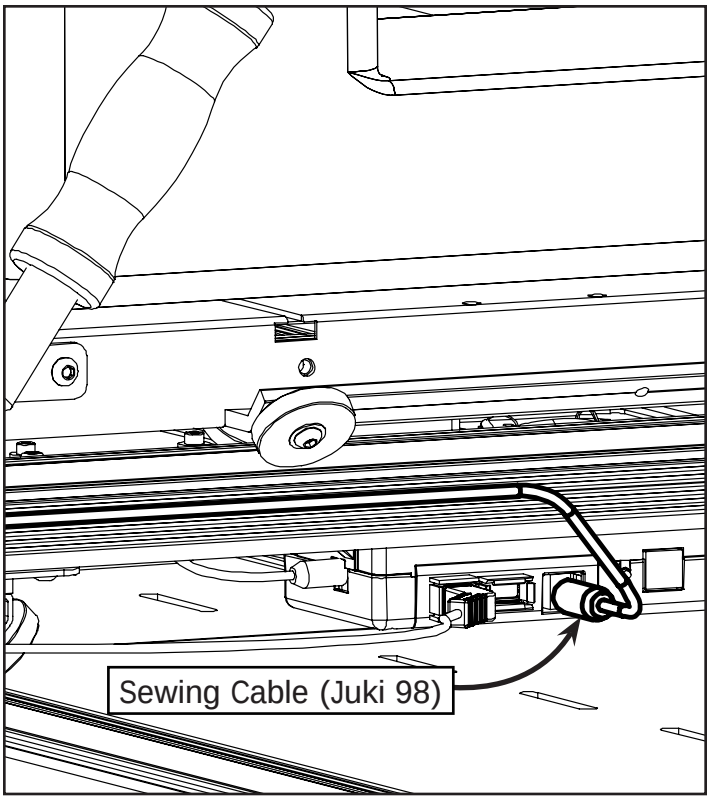
Velcro Strips (6)



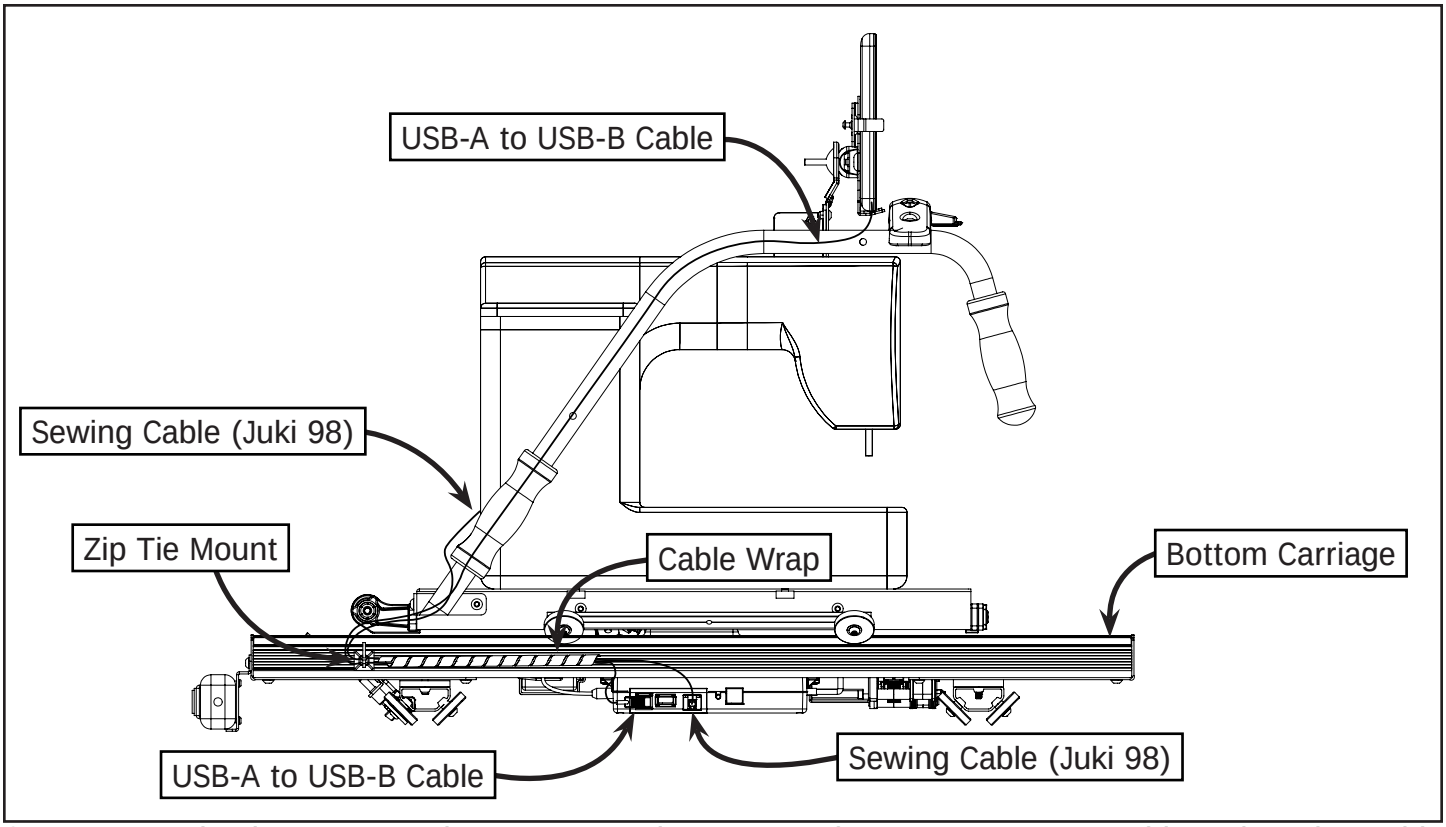
2-1: Connect the USB-A to USB-B Cable to the Motor Plate Control Box.



2-2: Connect the opposite end of the USB-A to USB-B Cable to the USB Port on your tablet.
Note: Secure to handles with Velcro Strips.



2-3: Connect the Sewing Cable (Juki 98) to the Motor Plate Control Box. Connect the opposite end to the foot pedal port of your sewing machine.



2-4: Secure Zip Tie Mounts to the Bottom Carriage. Wrap the USB-A to USB-B Cable and Sewing Cable (Juki 98) together in the Cable Wrap and route cables as shown.

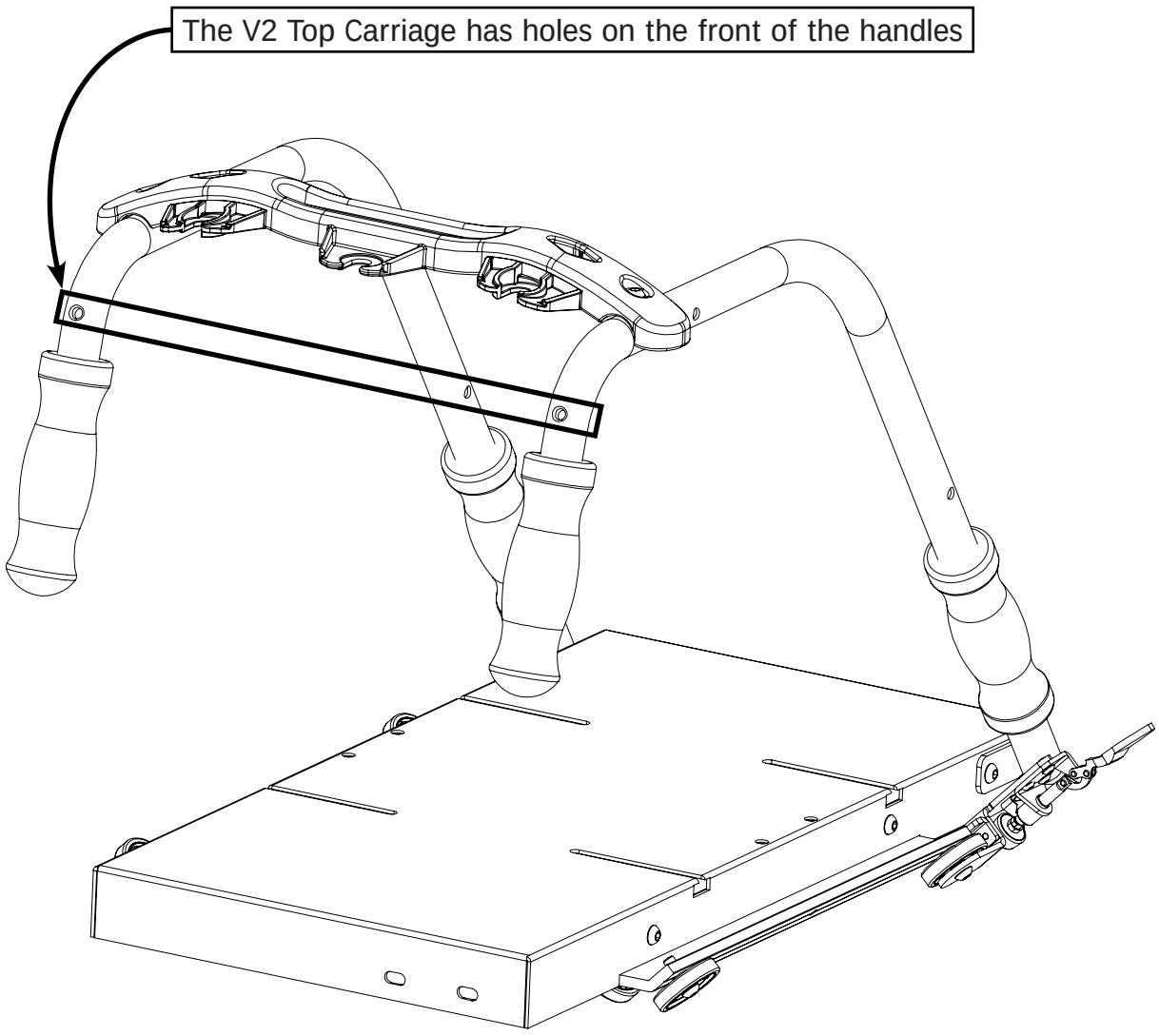
Note: Be sure to leave enough slack in the cables to allow for the full range of motion of the machine.

QCT Bracket

Step 1: Attaching the Tablet Mount - G-Series V2 Top Plate 30

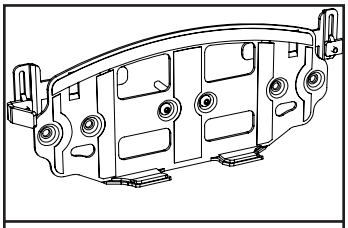
Wiring Instructions

Step 2: Cord Setup for the Bottom Carriage 33

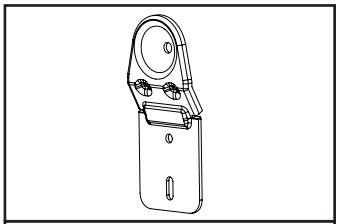


Step 1 - Attaching the Tablet Mount - G-Series Top Plate V2

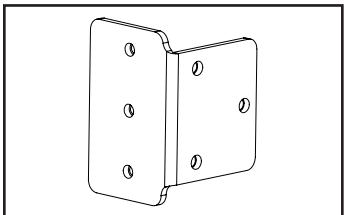
Parts Needed:



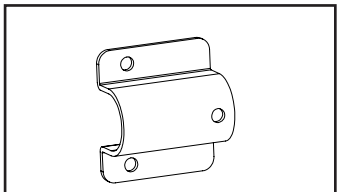
Tablet Tray (1)



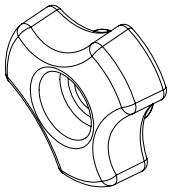
QCT Bracket Top Plate (1)



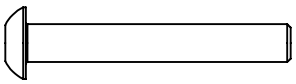
QCT Angle Support Bracket (1)



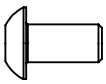
QCT Top Plate U-Bracket (1)



3 Wing Knob M6 (1)



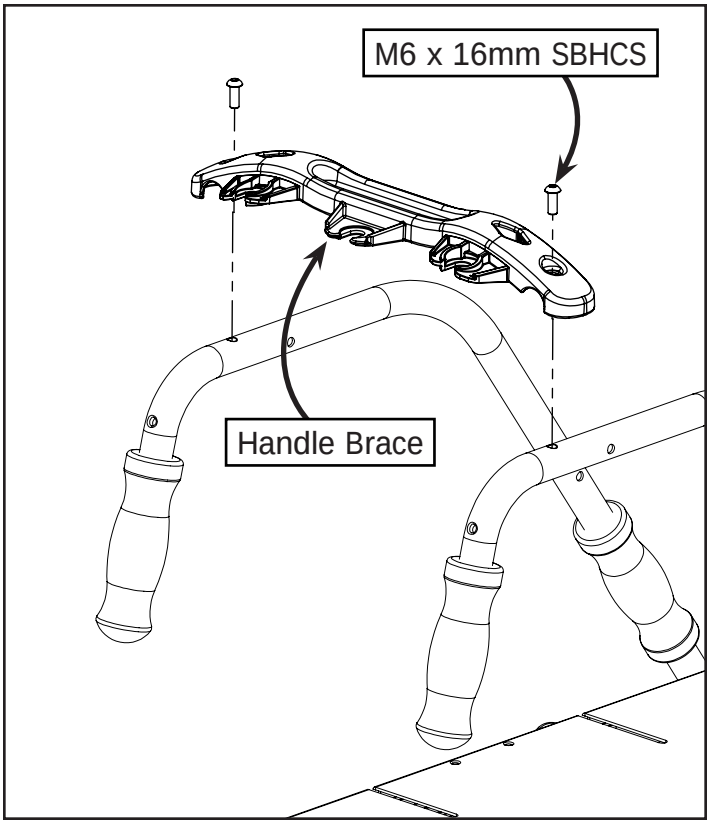
M5 x 30mm SBHCS (1)



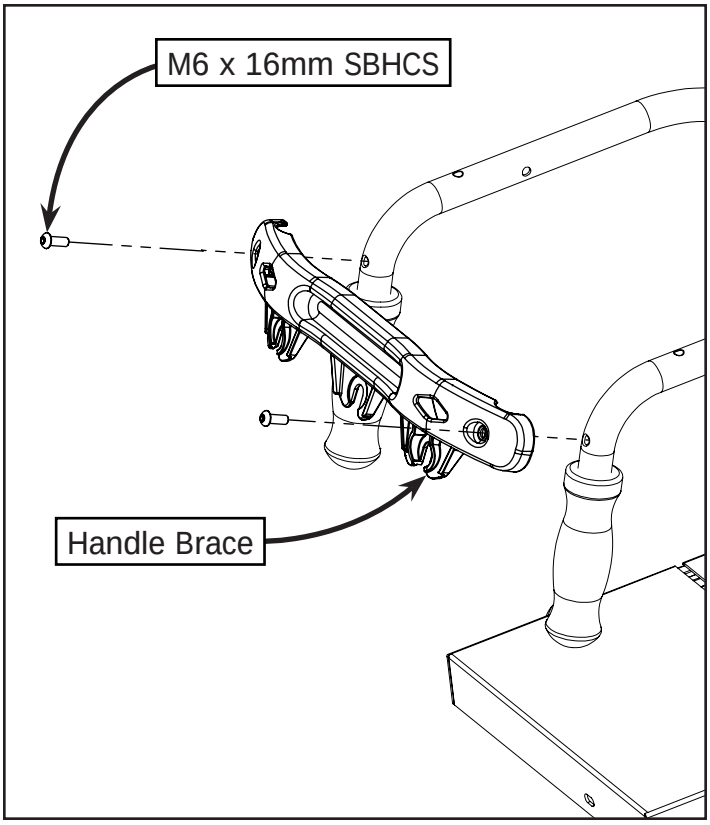
M5 x 10mm SBHCS (4)

Tools Needed:

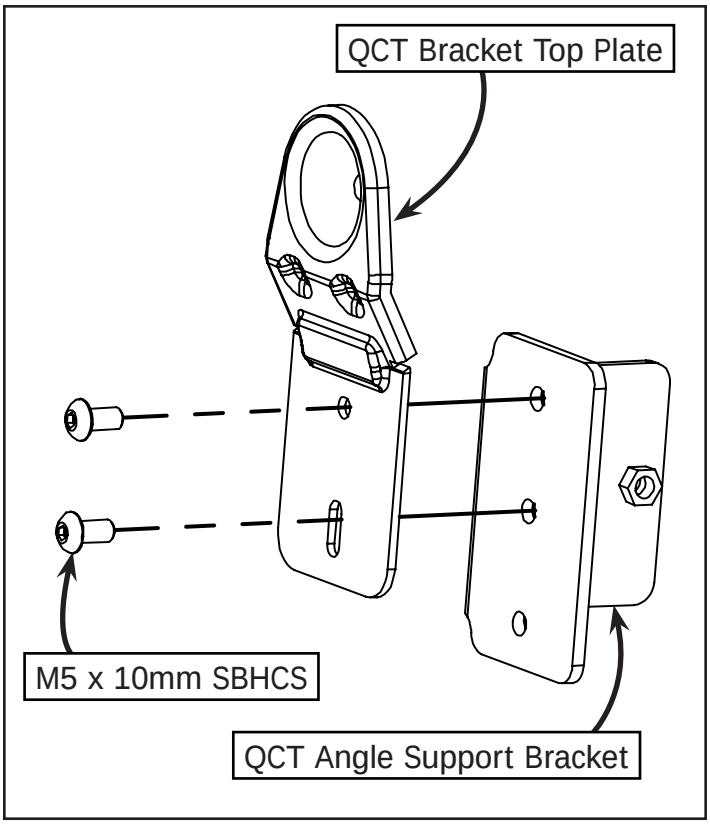
2.5mm Allen Wrench
4mm Allen Wrench



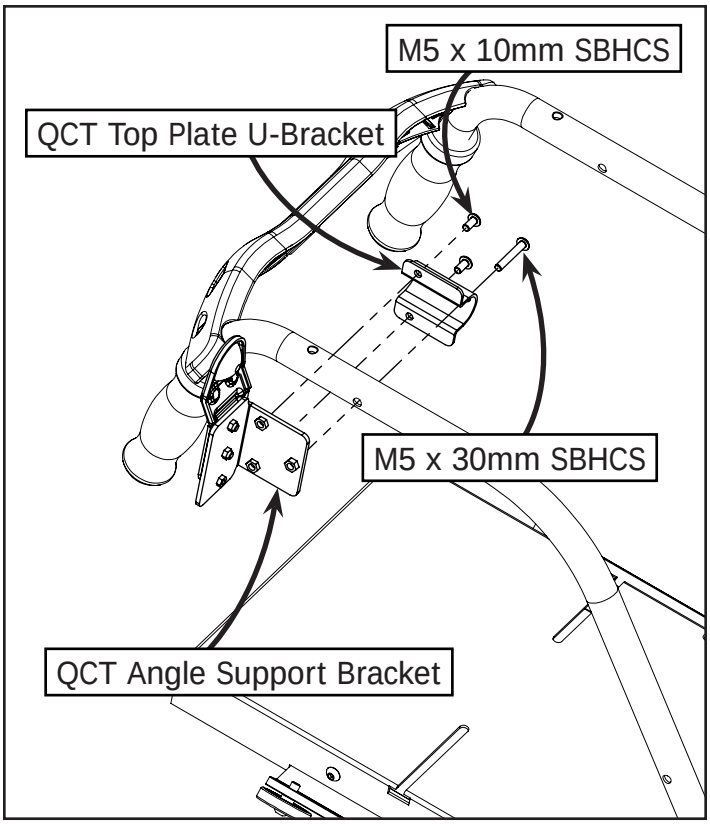
1-1: Remove the (2) M6 x 16mm SBHCS and the Handle Brace.



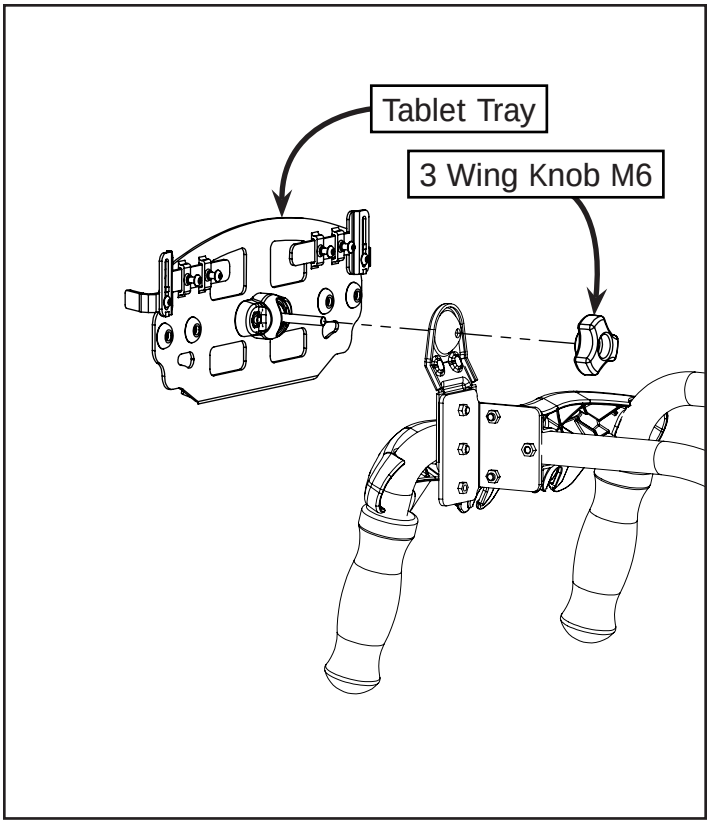
1-2: Reinstall the Handle Brace using the (2) M6 x 16mm SBHCS from Step 1-1 to the front holes on the handles.



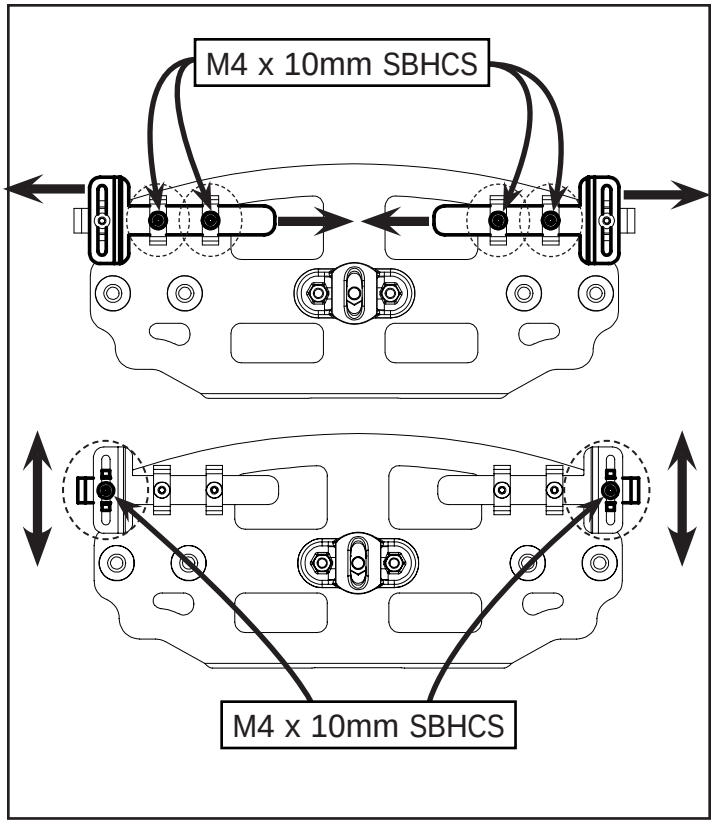
1-3: Attach the QCT Bracket Top Plate to the QCT Angle Support Bracket using (2) M5 x 10mm SBHCS.



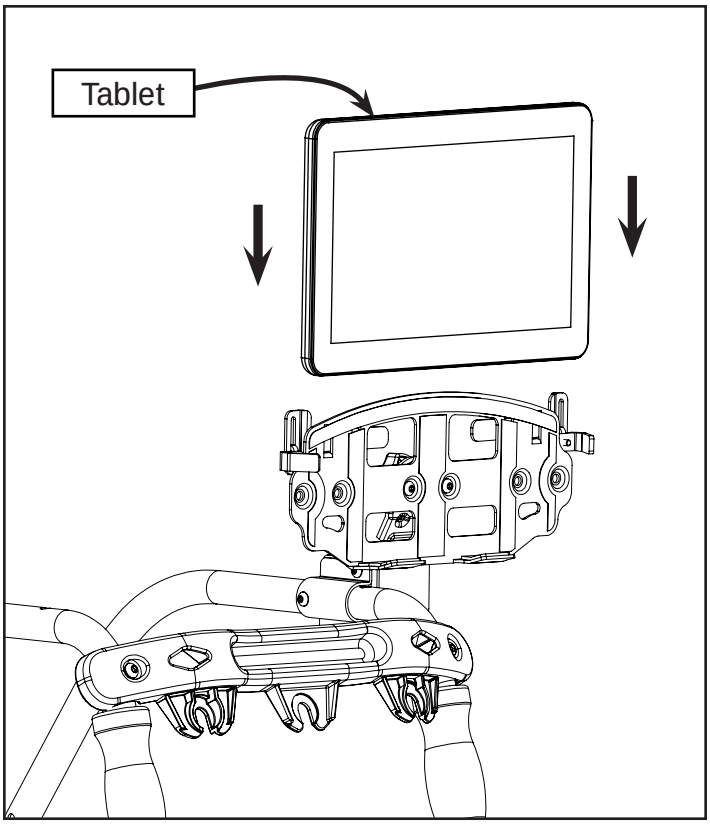
1-4: Attach the QCT Angle Support to the Top Plate using the QCT Top Plate U-Bracket, (2) M5 x 10mm SBHCS, and (1) M5 x 30mm SBHCS.



1-5: Attach the Tablet Tray to the QCT Bracket Top Plate using (1) 3 Wing Knob M6.



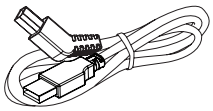
1-6: Loosen the circled M4 x 10mm SBHCS in order to adjust the arms of the Tablet Tray to fit your tablet.



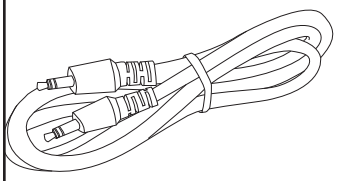
1-7: Slide your tablet into the Tablet Tray. Tighten the screws that were loosened in Step 1-6.

Step 2 - Cord Setup for the Bottom Carriage

Parts Needed:



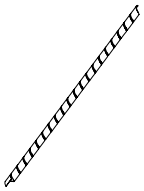
USB-A to USB-B Cable (1)



Sewing Cable (Juki 98) (1)

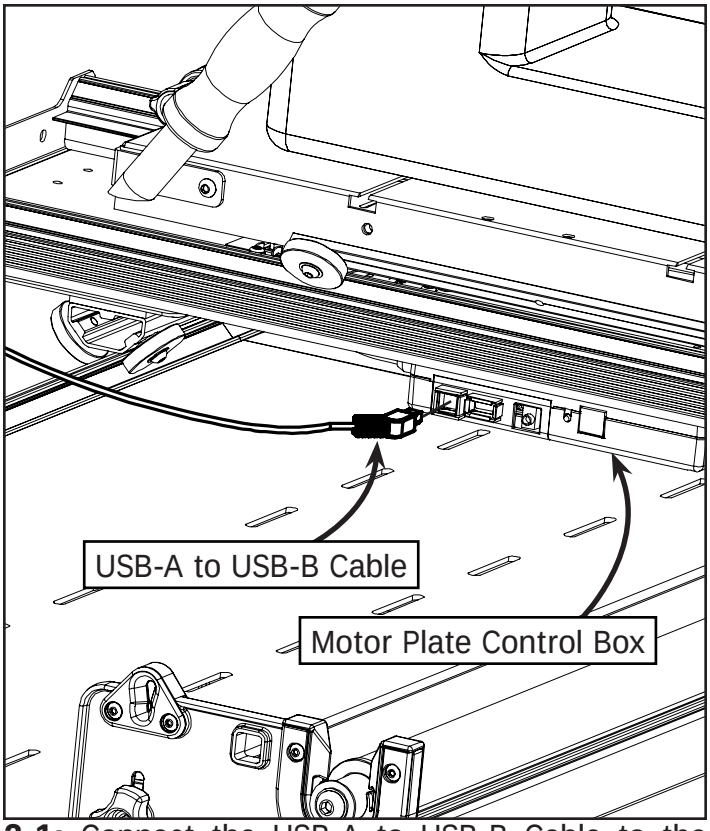
Zip Tie Mount (6)

Zip Tie (6)

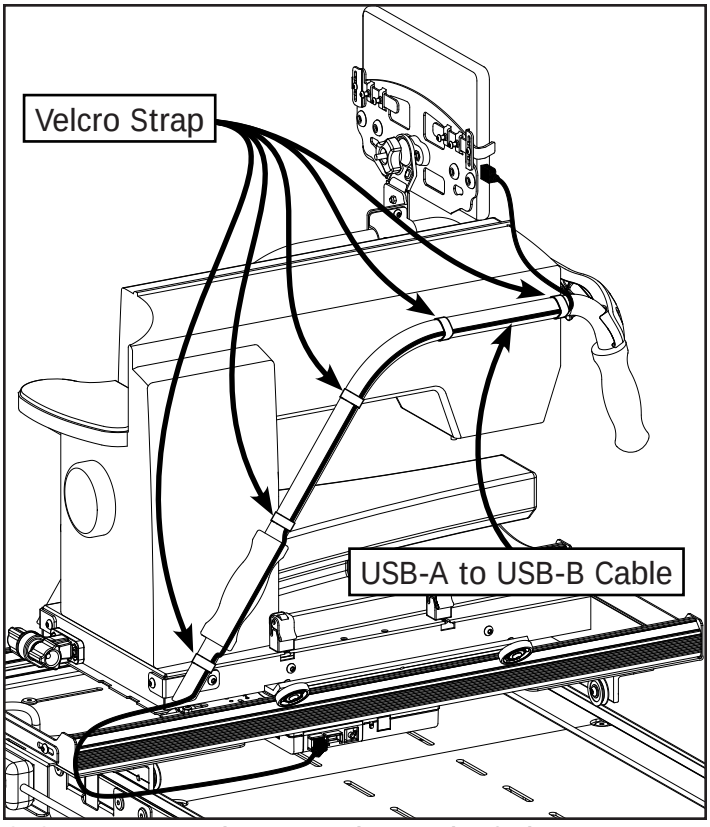


Cable Wrap (1)

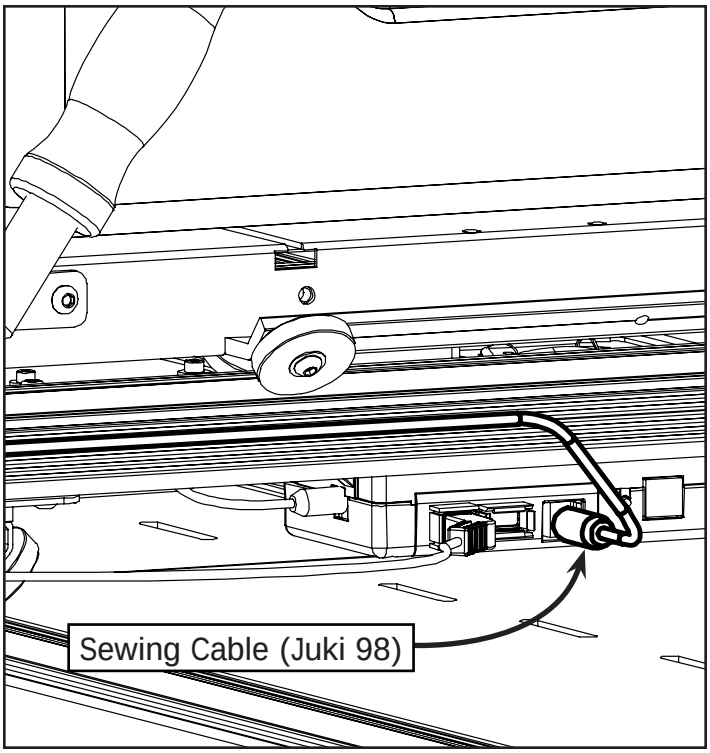
Velcro Strips (6)



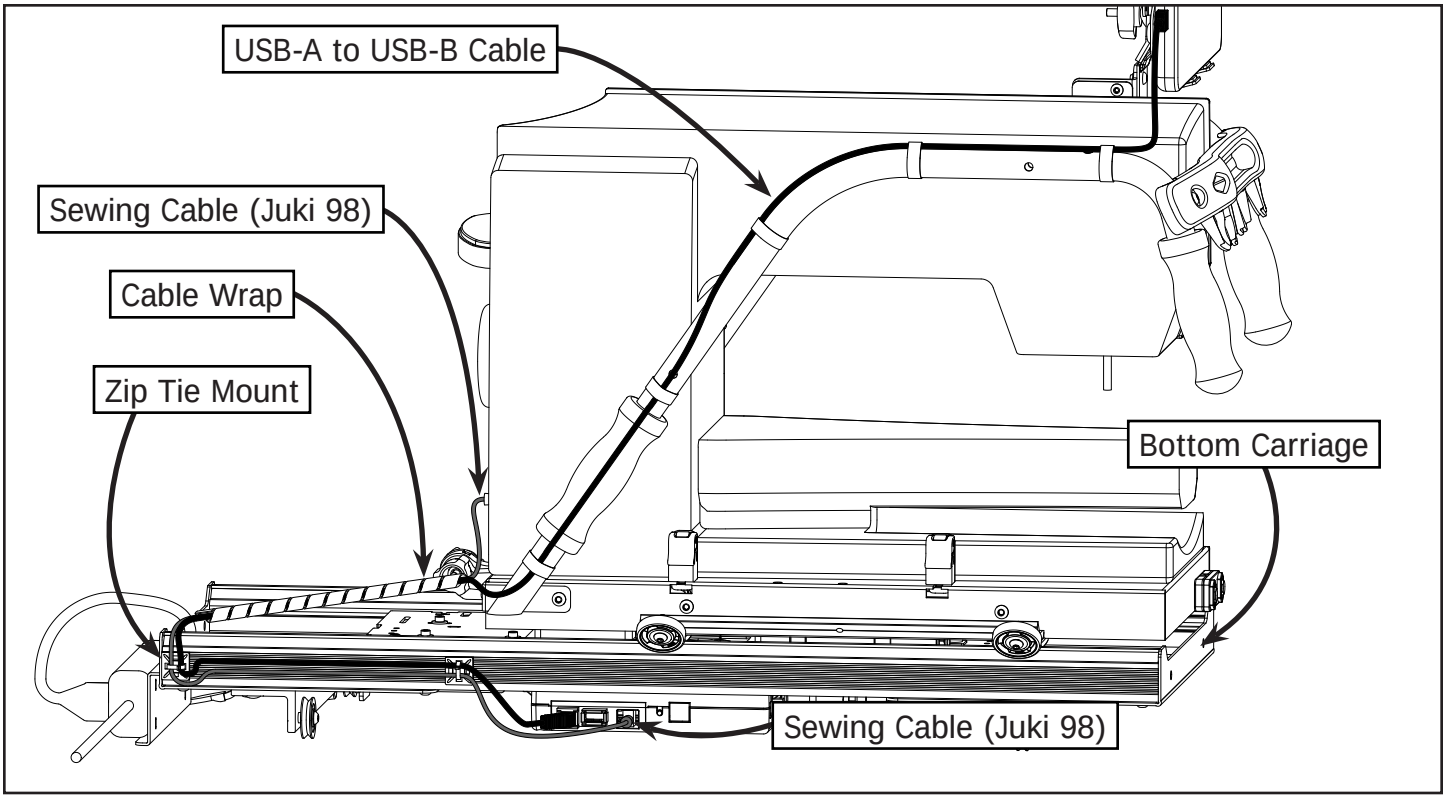
2-1: Connect the USB-A to USB-B Cable to the Motor Plate Control Box.



2-2: Connect the opposite end of the USB-A to USB-B Cable to the USB Port on your tablet.
Note: Secure to handles with Velcro Strips.



2-3: Connect the Sewing Cable (Juki 98) to the Motor Plate Control Box. Connect the opposite end to the foot pedal port of your sewing machine.



2-6: Secure Zip Tie Mounts to the Bottom Carriage. Wrap the USB-A to USB-B Cable and Sewing Cable (Juki 98) together in the Cable Wrap and route cables as shown.
Note: Be sure to leave enough slack in the cables to allow for the full range of motion of the machine.

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