

HQ Precision-Glide Carriage Track Mounting Instructions

Kit Part Numbers:

- QF09801 Precision Glide Carriage Track Kit HQ Sixteen (QF10708 cut to 28.70")
- QF09802 Precision Glide Carriage Track Kit HQ 18 Avante 4W, 8W (QF10708, 31.20")
- QF09803 Precision Glide Carriage Track Kit HQ 18 Avante 6W (QF10708 cut to 30.45")
- QF09804 Precision Glide Carriage Track Kit HQ24 Fusion (QF10724, 37.47" long)

Kit Contents

- Mounting Instructions
- 2: QF10708 (all but Fusion) Precision Glide Track (Fusion part number is QF10724)
- 4: QF10705 End Cap, Track
- 4: QF10701 Screw, 1/4-20 x 5/8" Socketed Button Head
- 4: QF12438 Washer – Encoder 24 Stainless Steel, .063"
- 1: QM10288 Hex Key 4mm, L
- 1: QF10607 Double Sided Tape, 1" wide for Tracks (on track)

Tools Needed:

- 1: Hex Key 4mm, L Provided
- 1: Flat Screwdriver Not Provided



Figure 1

03/22/2012

Step 1: Carefully remove all cables from the machine and lift the machine off of the carriage.

Step 2: Remove the white plastic track from the carriage by prying up the end with a flat blade screwdriver and then peeling it off (**Figure 2**). Remove any black tape that remains by rubbing the tape with your fingers and rolling it back (**Figure 3**). Make sure the surface of the carriage is completely clean before installing the new tracks (**Figure 4**).

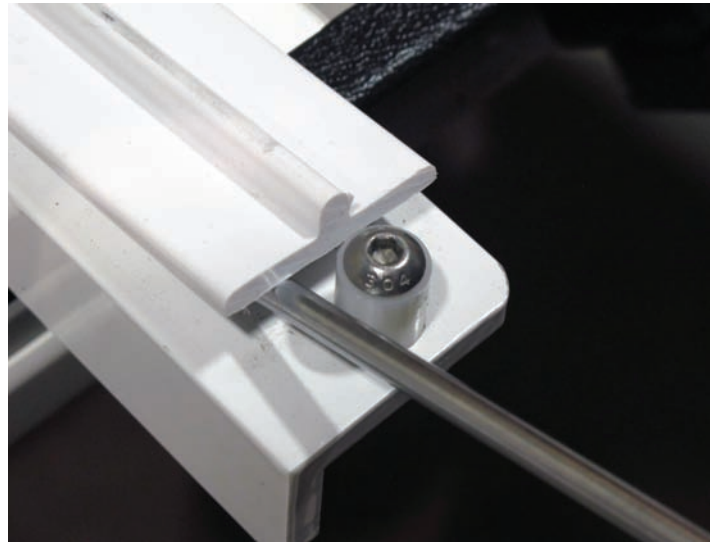


Figure 2



Figure 3



Figure 4

Step 3: Use the provided hex key to remove the four round end stops and the screws holding them down (**Figure 5**). You may discard the end stops and screws since you won't need them again.

Step 4: If the machine does not already have the new Precision-Glide Wheels installed, replace the old metal wheels with the new wheels according to the instructions included with the new Precision-Glide Wheel Kit (**Figure 6**).

Step 5: Select either of the two Precision-Guide tracks and install the left-side track first; you will install the right side track later using the machine as a guide. **Important Note: Once the tracks have been attached to the carriage, they cannot be removed or adjusted without damaging the track.**

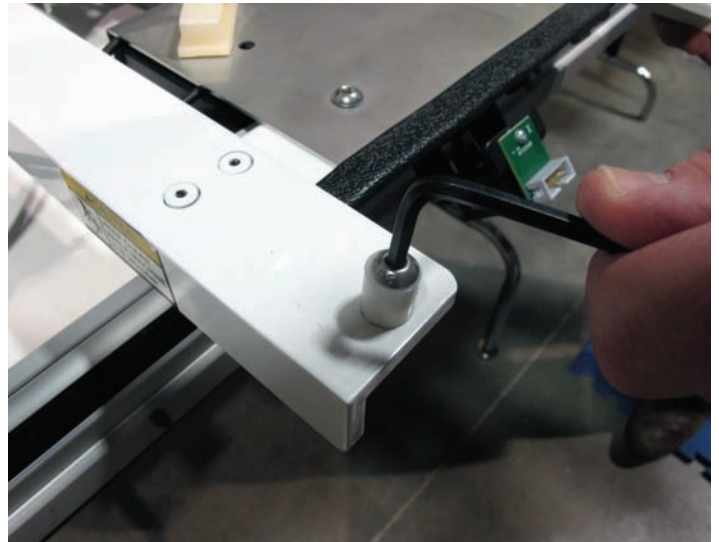


Figure 5



Figure 6

Step 6: The back of the aluminum track has black tape with a red release film protecting it. Peel back the release film about **1-1/2"** from **both ends** and fold it over at a 45 degree angle so it sticks out to the side of the track (**Figure 7**).

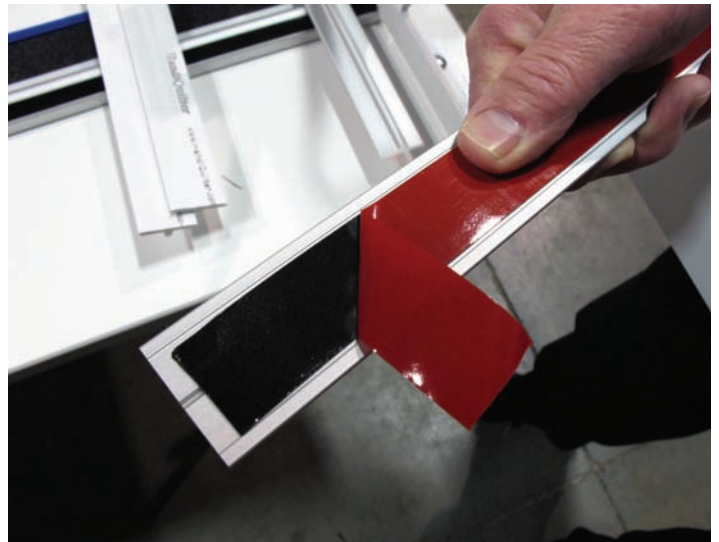


Figure 7

Step 7: The left side of the carriage will be to your left as you stand in front of the quilting frame, facing the carriage. This side of the machine has the machine encoder. Position the left-side track so that the tape backing that was peeled back in step 6 faces the outside of the carriage (**Figure 9**). Use the hex key to loosely attach the left-side track using two end caps (**Figure 8**) and the 1/4-20 black screws and the washers. **Note: Use the washers to prevent damage to the end caps. Adjust the left-side track so the outside edge of the two black plastic end caps is flush with the outside edge of the white carriage rail (Figure 10).** **Important Note: Do not put the right side track on at this time.**



Figure 8

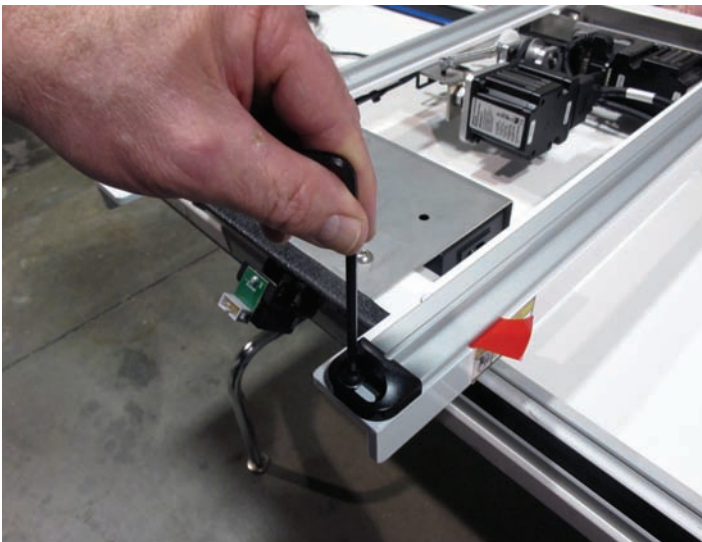


Figure 9

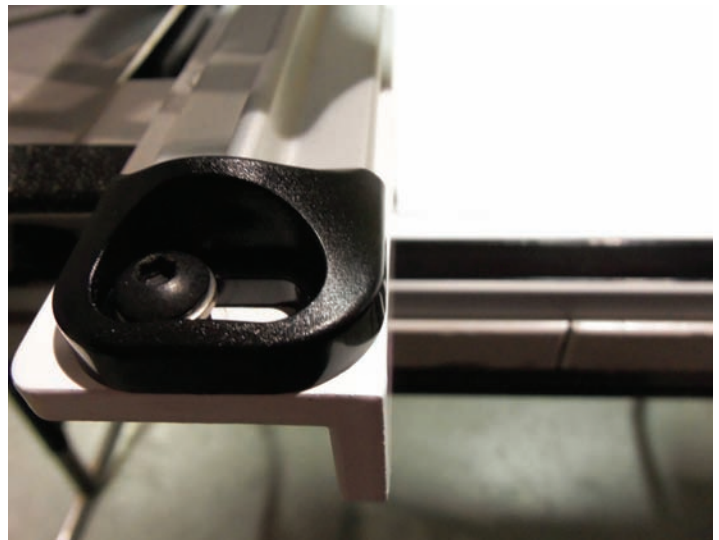


Figure 10

Step 8: Lightly tighten the two screws holding the left-side track. Tighten them only enough to hold the end caps in position; do not completely tighten the end cap screws now. Visually check that the track is parallel to the white frame of the carriage (**Figure 11**). Adjust it if necessary by loosening the two end cap screws, adjusting the track, and then lightly tightening the end cap screws (**Figure 12**). **Note: The screws will be fully tightened after the tape backing is removed in the next step.**

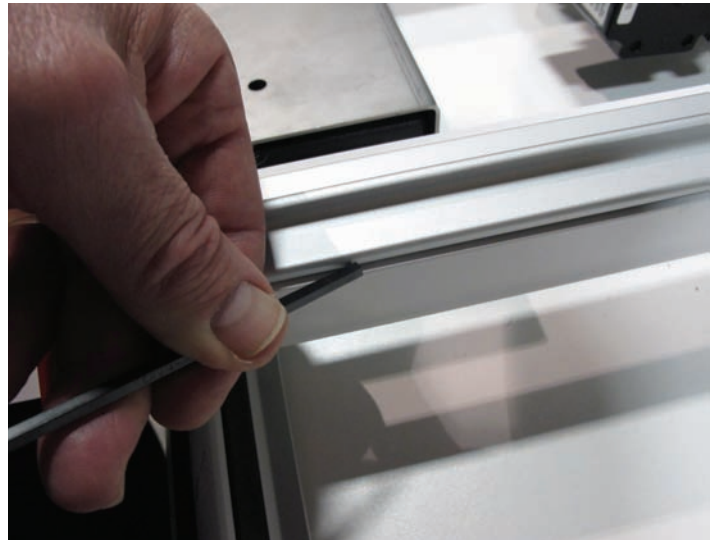


Figure 11

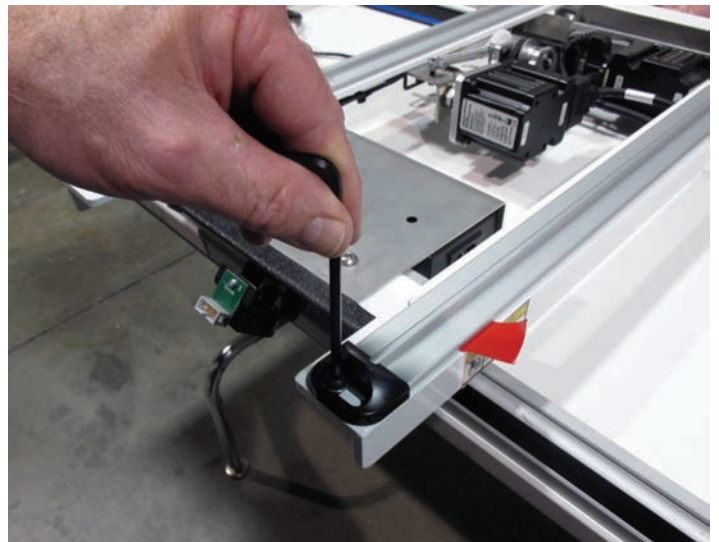


Figure 12

Step 9: Once the left-side track is in position and the end caps are lightly tightened, pull the tape backing out from under the track (**Figures 13, 14 and 15**). After removing the tape backing, firmly press the track down to bond it to the carriage rail (**Figure 16**). Fully tighten the end cap screws **but do not over-tighten them**.

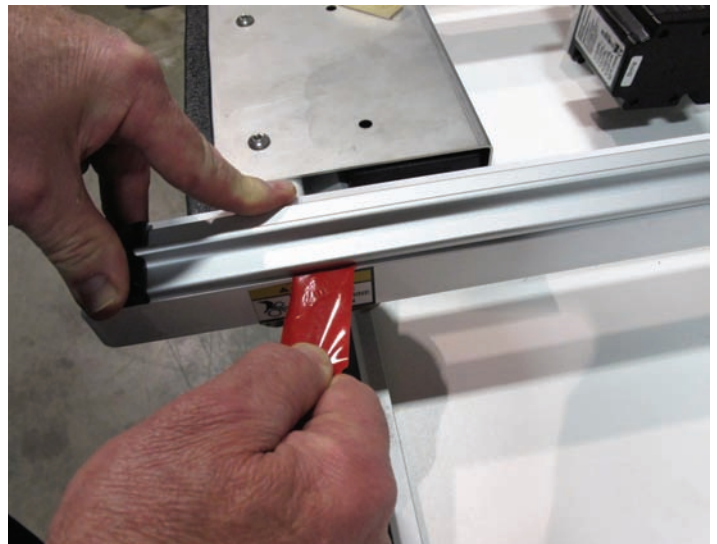


Figure 13

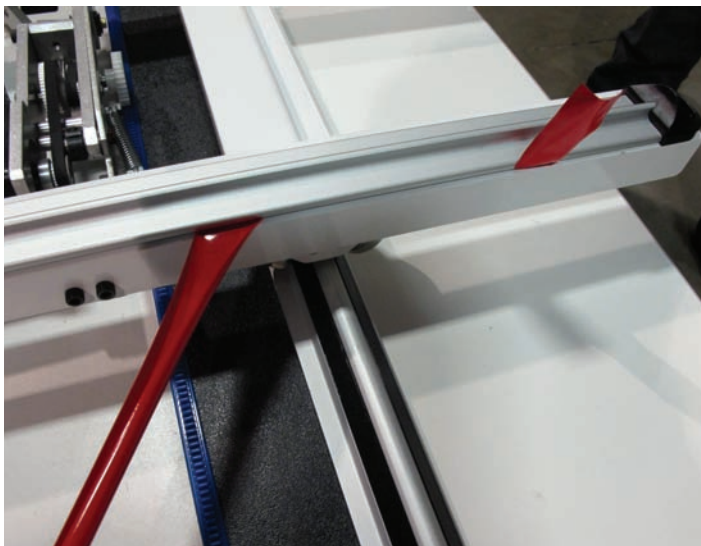


Figure 14



Figure 15



Figure 16

Step 10: Next, install the right-side track. Peel back the release film about 1-1/2" from both ends and fold it over at a 45 degree angle so it sticks out to the side of the track (**Figure 17**). Install the end caps and lightly tighten the screws (**Figure 18**). The track must be able to move in and out for the width adjustment to be done in the next step. **Do not stick the right-side track down at this time.**

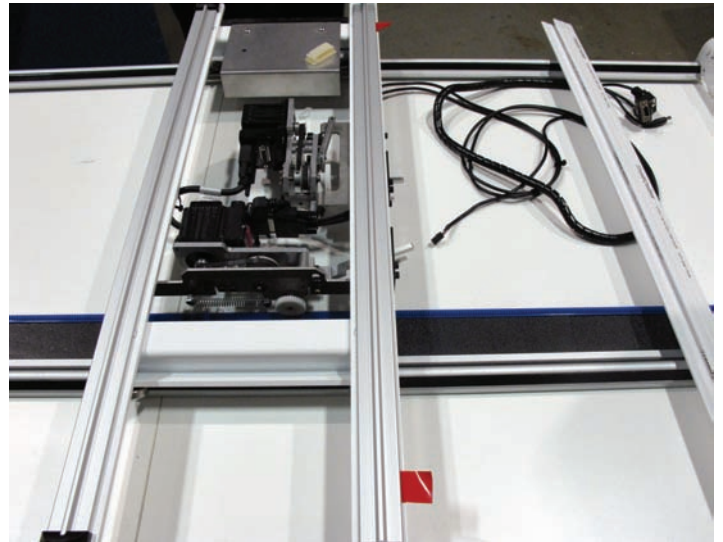


Figure 17

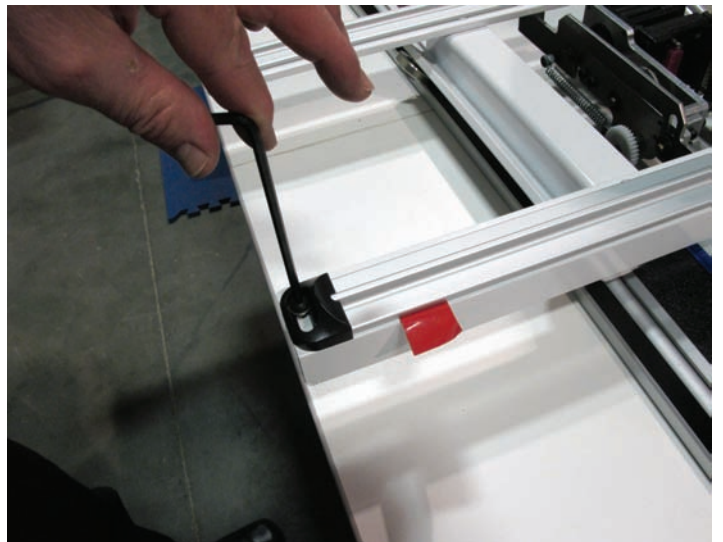


Figure 18

Step 11: After the new wheels are installed on your machine (**Figure 18**), gently lift the machine onto the new tracks, lining up the wheels to the track (**Figure 19**). For safety purposes, this step may require two people.



Figure 19

Step 12: If necessary, slightly adjust the right-side track to properly position the track under the wheel groove (**Figure 20**). (Loosen the end cap screws, carefully lift the end of the track in case it has begun to stick to the carriage rail, and then adjust the track; lightly tighten the end cap screws after the adjustment is completed.) It is helpful to look down the length of the track at the wheels on both sides of the machine and confirm that the radius in the wheels aligns with the radius on the top of the new track (**Figure 21**). Roll the machine from the front to the rear of the carriage to check the position of the track along its length (**Figure 22**).

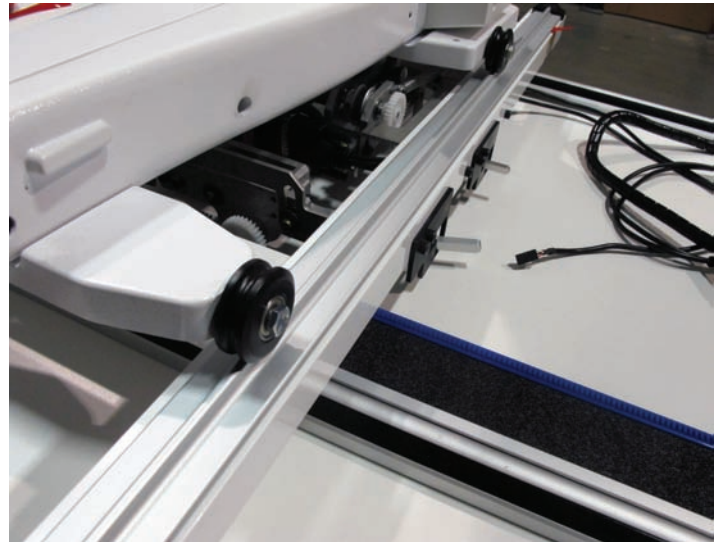


Figure 20

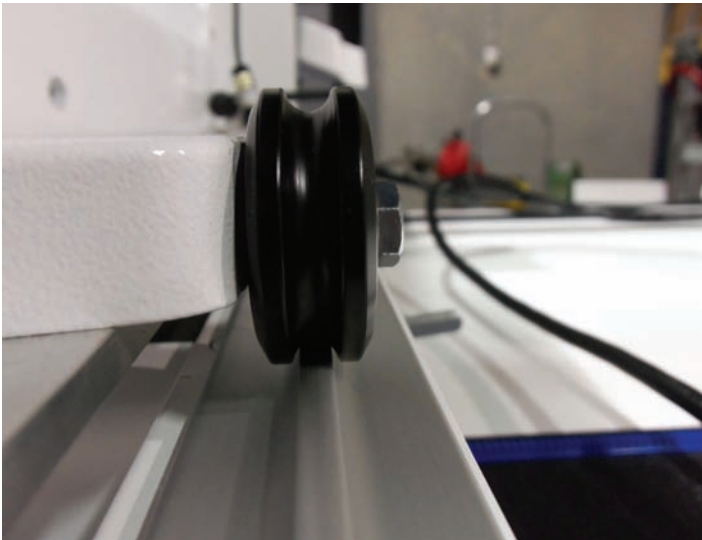


Figure 21, Front Wheels

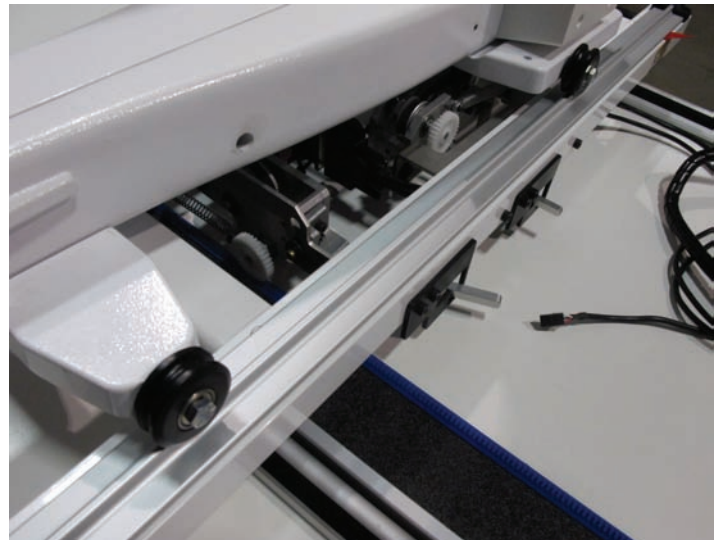


Figure 22

Visually check that the track is parallel to the white frame of the carriage (**Figure 23**).

Step 13: When confident that the track is in the correct position relative to the machine wheels, lightly tighten the end cap screws on the right side of the carriage (**Figure 24**). The screws will be fully tightened after the tape backing is removed in the next step.

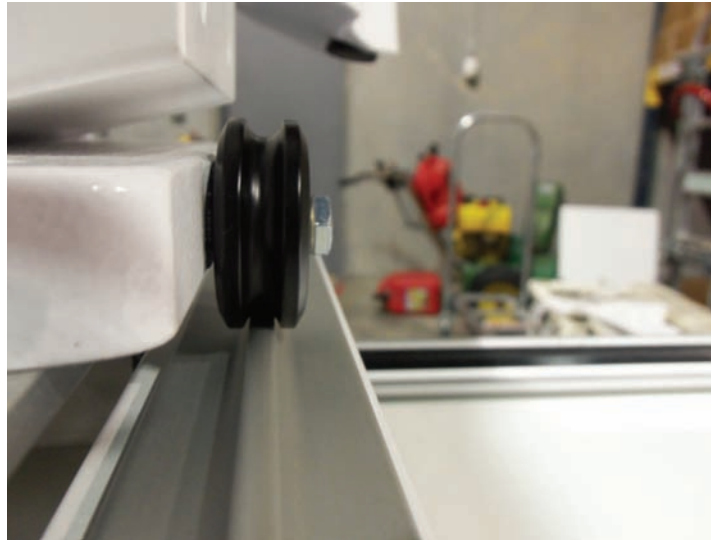


Figure 23, Rear Wheels



Figure 24

Step 14: Leave the machine on the carriage track and pull the tape backing out from the right-side track (Figures 25 and 26).

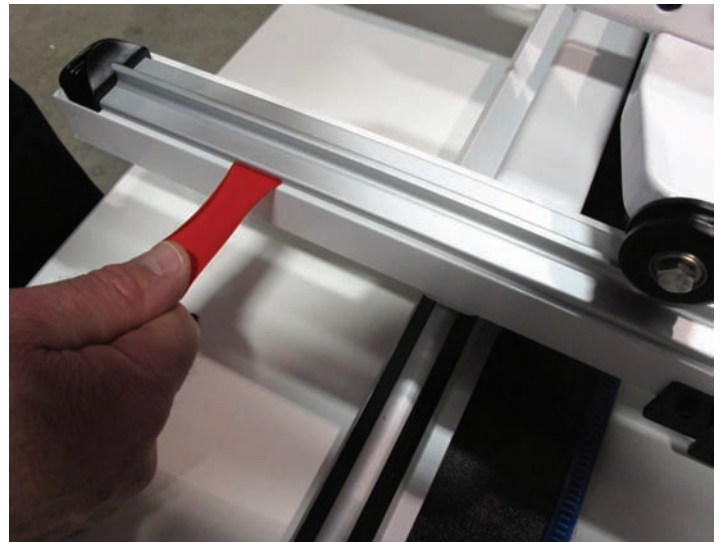


Figure 25

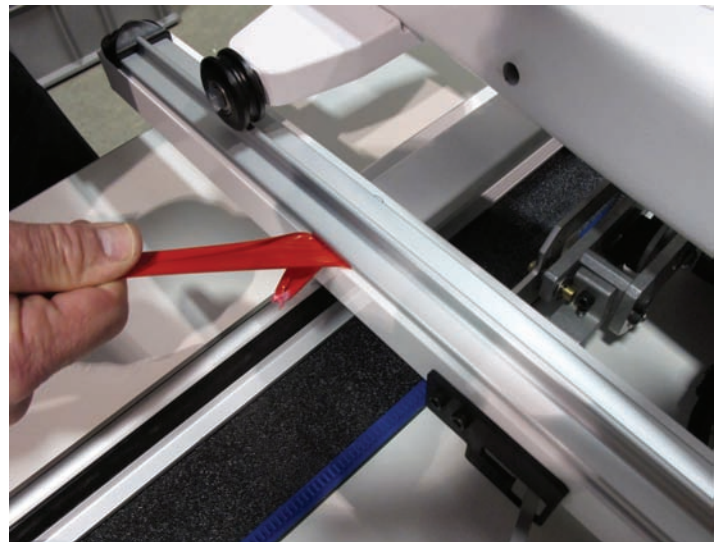


Figure 26

Step 15: Fully tighten the end cap screws but do not over-tighten them (**Figure 27**). Roll the machine back and forth on the track to firmly bond the track to the carriage rails (**Figure 28**).

Step 16: Reattach all cables to the machine and you are ready to enjoy your new track system.

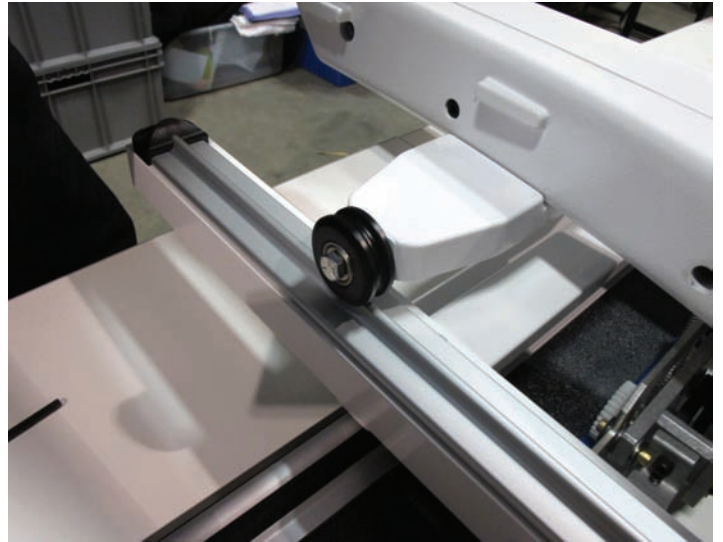


Figure 27



Figure 28