

HQ Precision-Glide Track Upgrade 2' Extension Kit for HQ Studio Frame Part# QF09750

Important Note: Upgrading the track system on the HQ Studio Frame requires the use of this 2' Extension Kit (Part #QF09750), in addition to the HQ Precision-Glide Track Upgrade Kit (Part# QF09700). The upgraded track system can be used only at a length of 12 feet.



Track, tape, screw bag, couplers
as packaged



Top view as packaged,
top of image goes to front



Bottom view as packaged,
bottom of image goes to front

Step 1: Table Preparation

1-1: Remove the poles and place them aside in a safe place.

1-2: Pull up the white table tracks to access the track support fixing screws underneath.

1-3: Remove the 4 small Phillips head screws from each flat track support on the three 4' table sections.

1-4: Remove the old plastic tops from each 4' table section.

1-5: Remove the old tape that was holding down the old plastic top from each 4' table section.

Step 2: Table Top and Track Support Joining

Parts needed

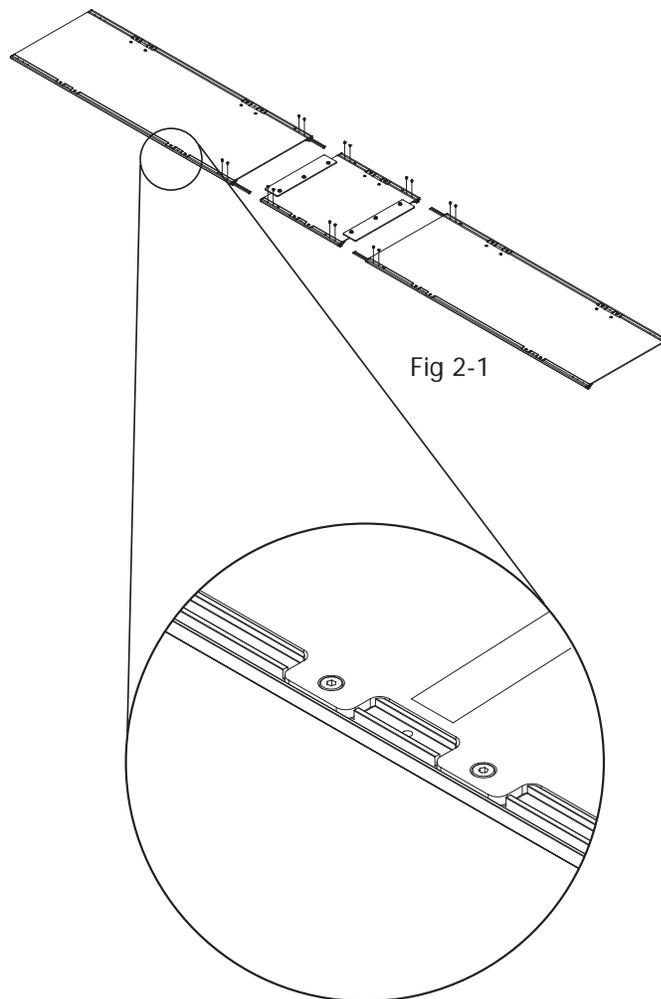
2-Table Top Assembly (from QF09700 kit)
1- 2' Table Top Extension (from QF09750 kit)
4-Track Support Coupler (2 from each kit)
24-Screw, M5x8mm socketed button head (12 from each kit)

Tools Required

3mm Allen Wrench (Provided)

 **NOTE:** The 2' extension will be installed into the center of the two longer 5' table sections found in the QF09700 Precision-Glide Track Upgrade Kit. The QF09750 HQ Precision-Glide Track Upgrade 2' Extension Kit for HQ Studio Frame includes a 2' table top extension, two additional track support couplers and 12 more screws to do this.

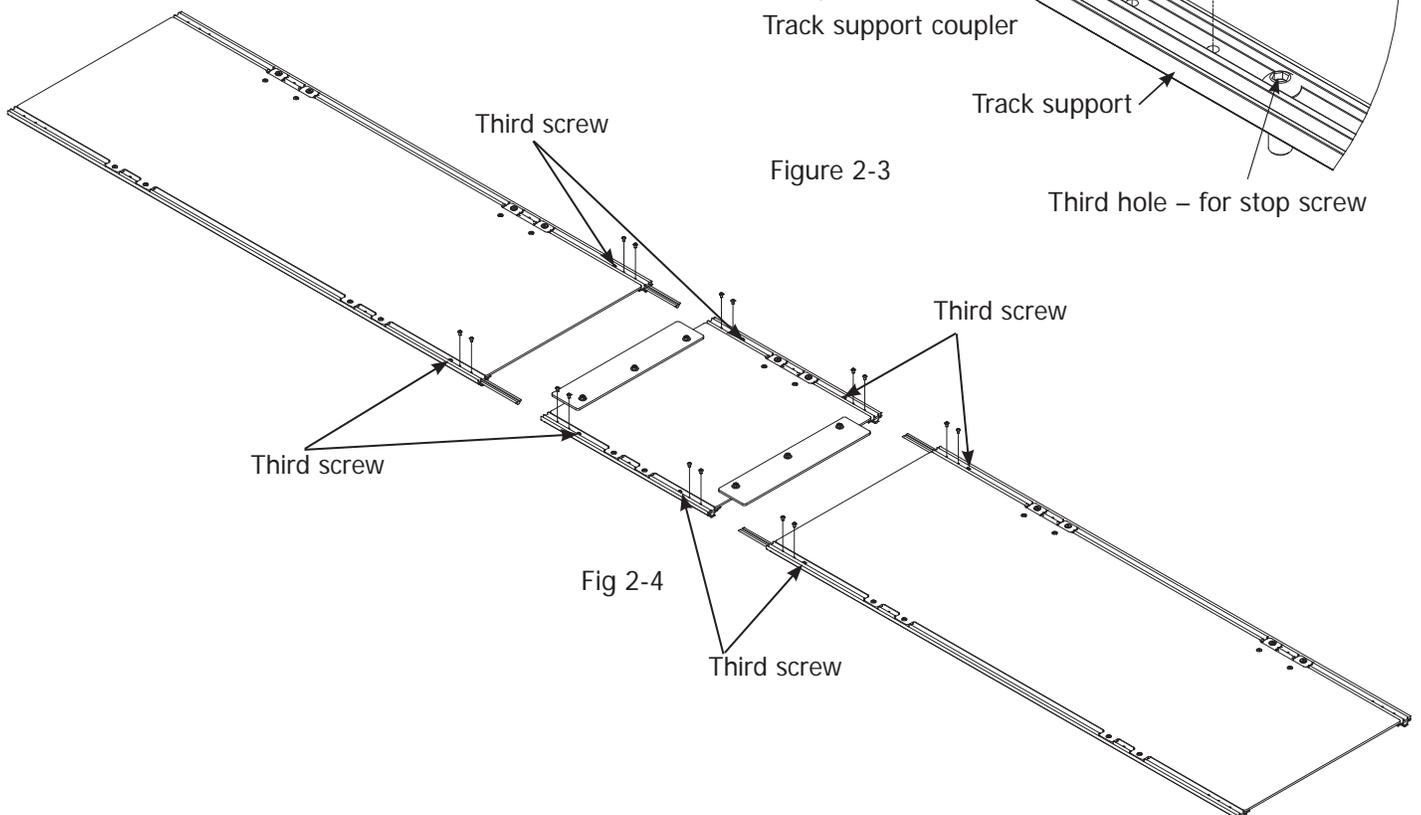
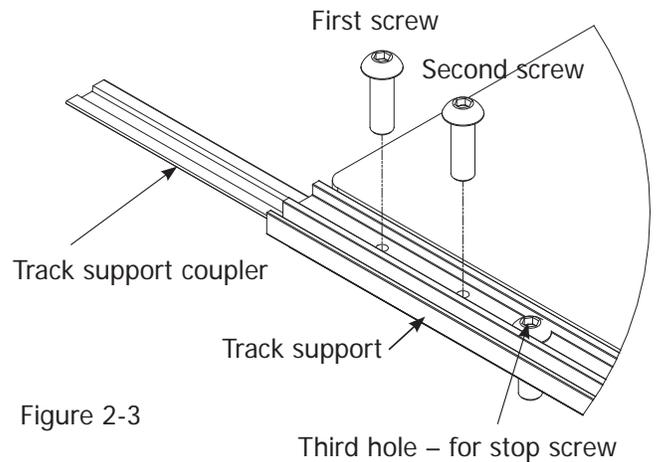
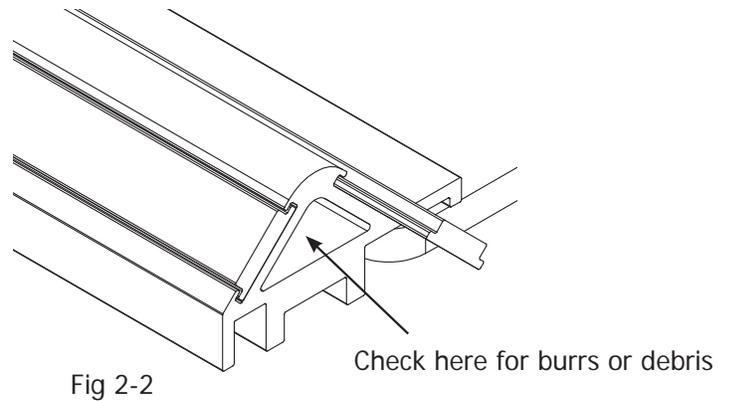
2-1: Lay out the table assemblies as follows: Place the 2' extension in the center of the two longer 5' table sections with the track supports face down on a flat protective surface such as a carpeted floor or on the HQ Studio Frame surface. The table top assemblies should be orientated so the track support without the metal adjusting brackets is facing the front of the table when upside down, track support on table top (**Fig. 2-1 and Detail. 2-1**) When the table top assembly is turned over, right side up, the track support without the metal adjustment brackets will be at the rear edge of the table top.



Detail 2-1 - Table shown upside down with non-adjusting track support at front edge of table

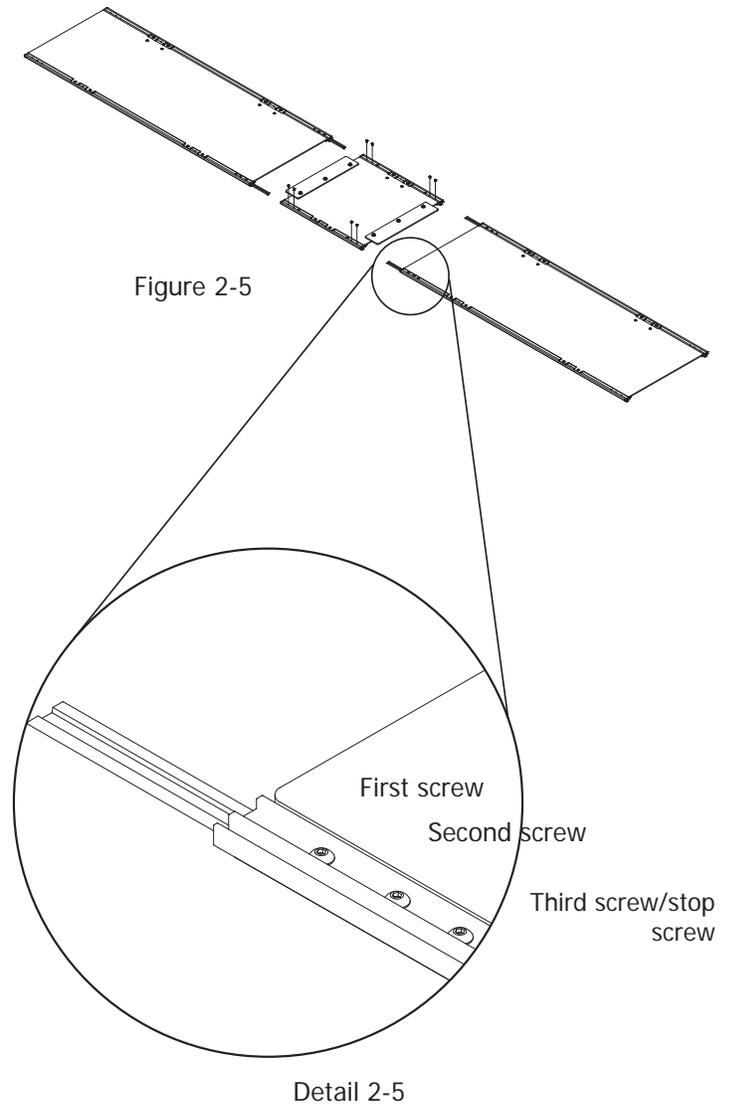
2-2: Check inside the ends of the track supports for burrs or debris and remove all foreign matter from the inside if necessary. (**Fig. 2-2**)

2-3: To prepare for joining the two 5' and the 2' table top assemblies together, insert one M5x8mm Socketed Button Head Screw into the third hole from the splice end on each of the track supports as shown in (**Fig. 2-3 and Fig. 2-4**) These third screws serve as stop screws for the track support couplers. Fully tighten the third screws with the 3mm Allen wrench provided. These screws will help align the coupler into the track support sections when joined.



2-4: Insert a coupler up to the stop screw in the two track supports at one end of the first 5' table top assembly. Thread a M5x8mm Socketed Button Head Screw into the first and second holes on both track supports on the table top assembly and lightly tighten. (**Fig. 2-5 and Detail 2-5**)

2-5: Repeat step 2-4 for the other 5' table top assembly, to install the couplers and screws. (**Fig. 2-5 and Detail 2-5**)



2-6: Thread M5x8mm Socketed Button Head Screws into the first and second holes on both track supports on the 2' extension table. **(Fig. 2-6 and Detail 2-6)**

2-7: Slide the couplers from both 5' tables into the 2' extension in the center, align and lightly tighten the coupler into each of the track supports. There should be minimal gap between the sections. **(Fig. 2-7)**

2-8: Once alignment is assured fully tighten all coupler screws. **(Fig. 2-7)**

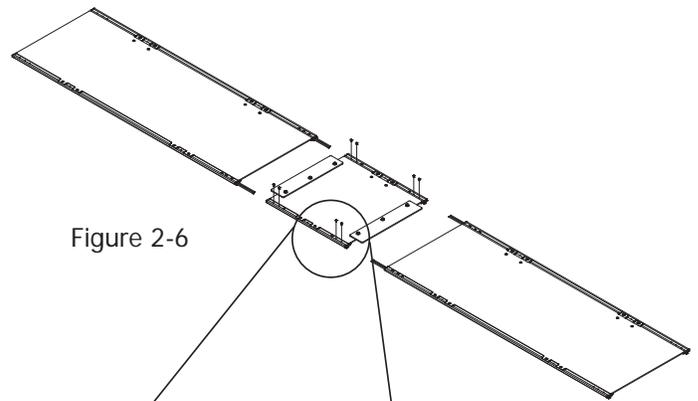
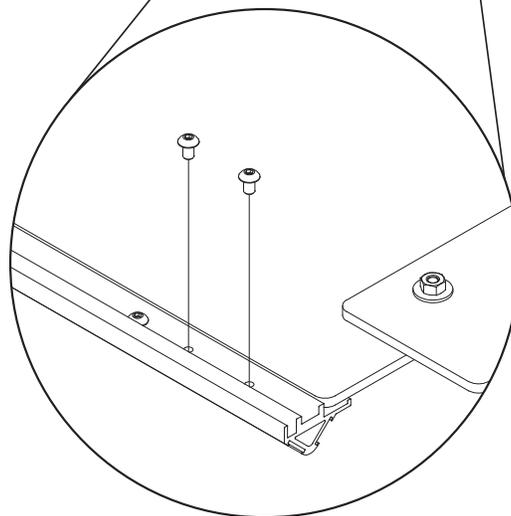


Figure 2-6



Detail 2-6

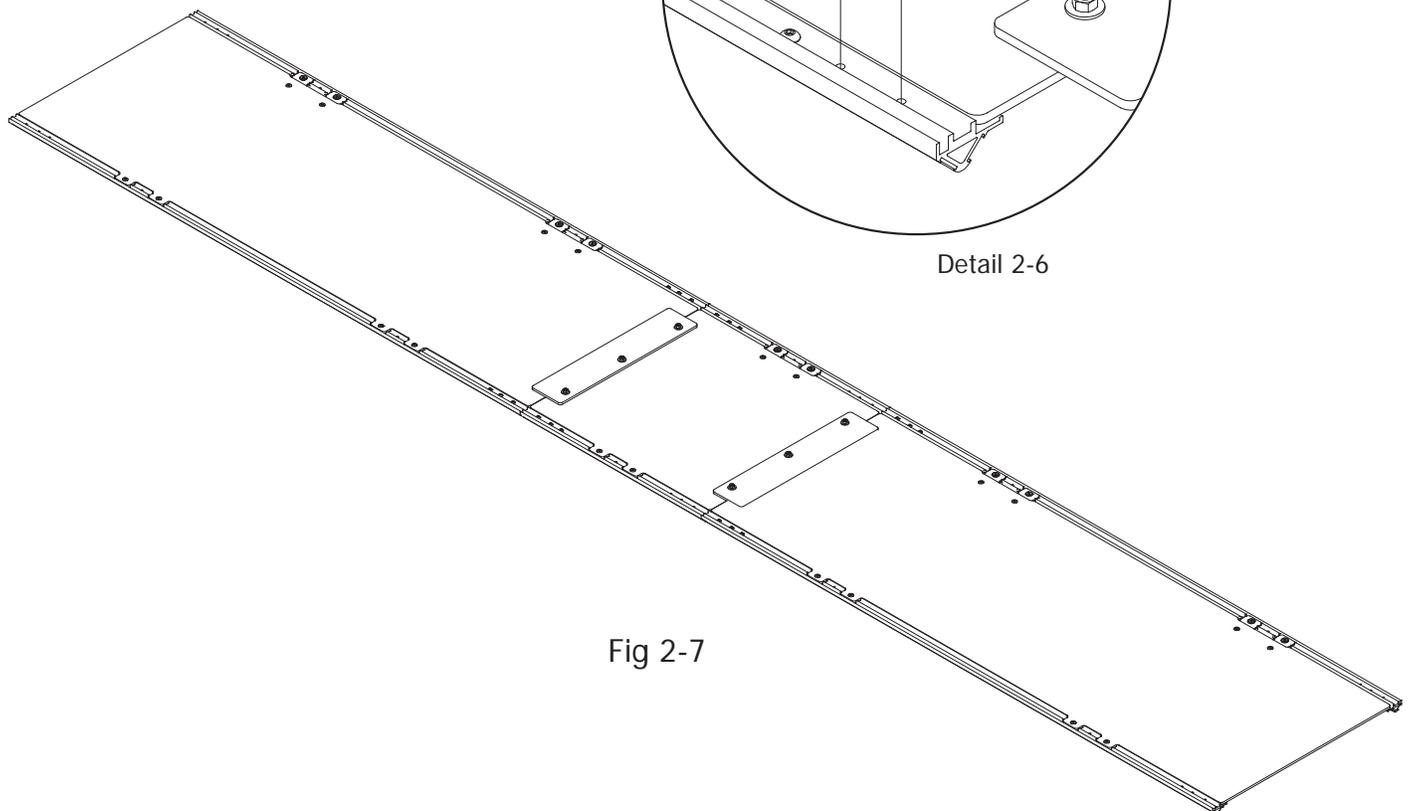


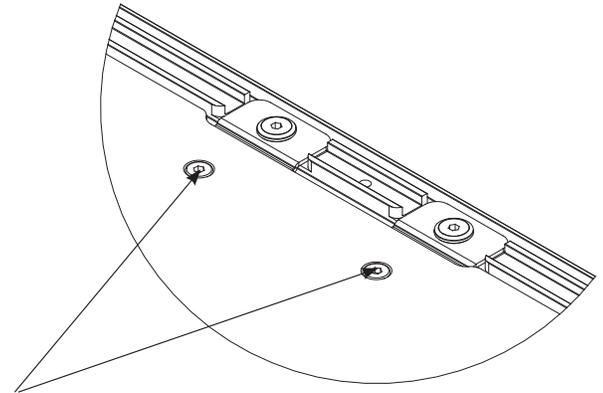
Fig 2-7

Step 3: Check Screws

Tools Required

4mm Allen wrench (Provided)

3-1: Important: The flat head screws on the stainless steel adjusting bracket do not turn, they have two flats that fit into slots in the adjusting bracket to prevent them from turning. **(Fig. 3-1)** **If you turn the head of these screws they will become damaged and or break.** This may also damage the adjusting bracket. The acorn nuts on these special flat head screws on the adjusting bracket will be checked and tightened later once the final track support adjustments are made.



These screws do not turn, they have flats for adjusting bracket – do not turn. Tighten at the acorn nut only.

Figure 3-1

3-2: Check the (10) large washer head screws on the track supports on the adjusting bracket side to make sure they are tight. **(Fig. 3-2)** Check the (10) flat head screws on the track support without adjusting brackets to confirm they are tight. **(Fig. 3-3)** These screws turn and tighten into the track support.

Check these for tightness

Large washer head screws

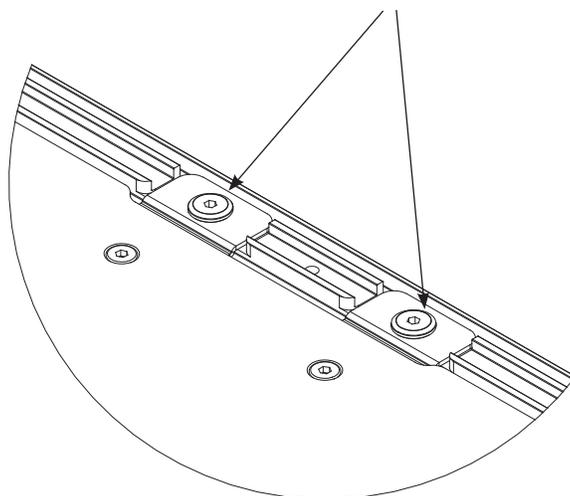


Figure 3-2

Flat head screws on non-adjusting track support

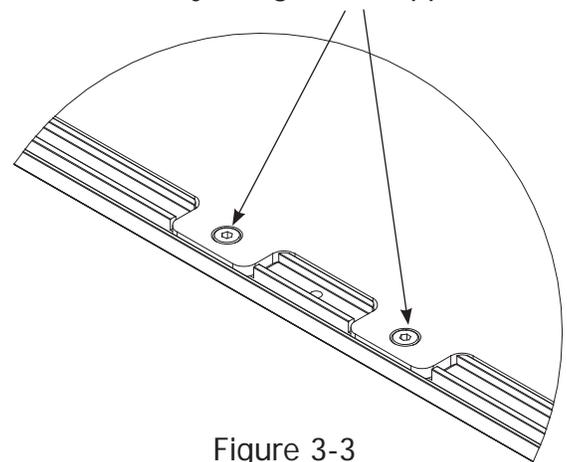


Figure 3-3

Step 4: Turn Over the Table Top

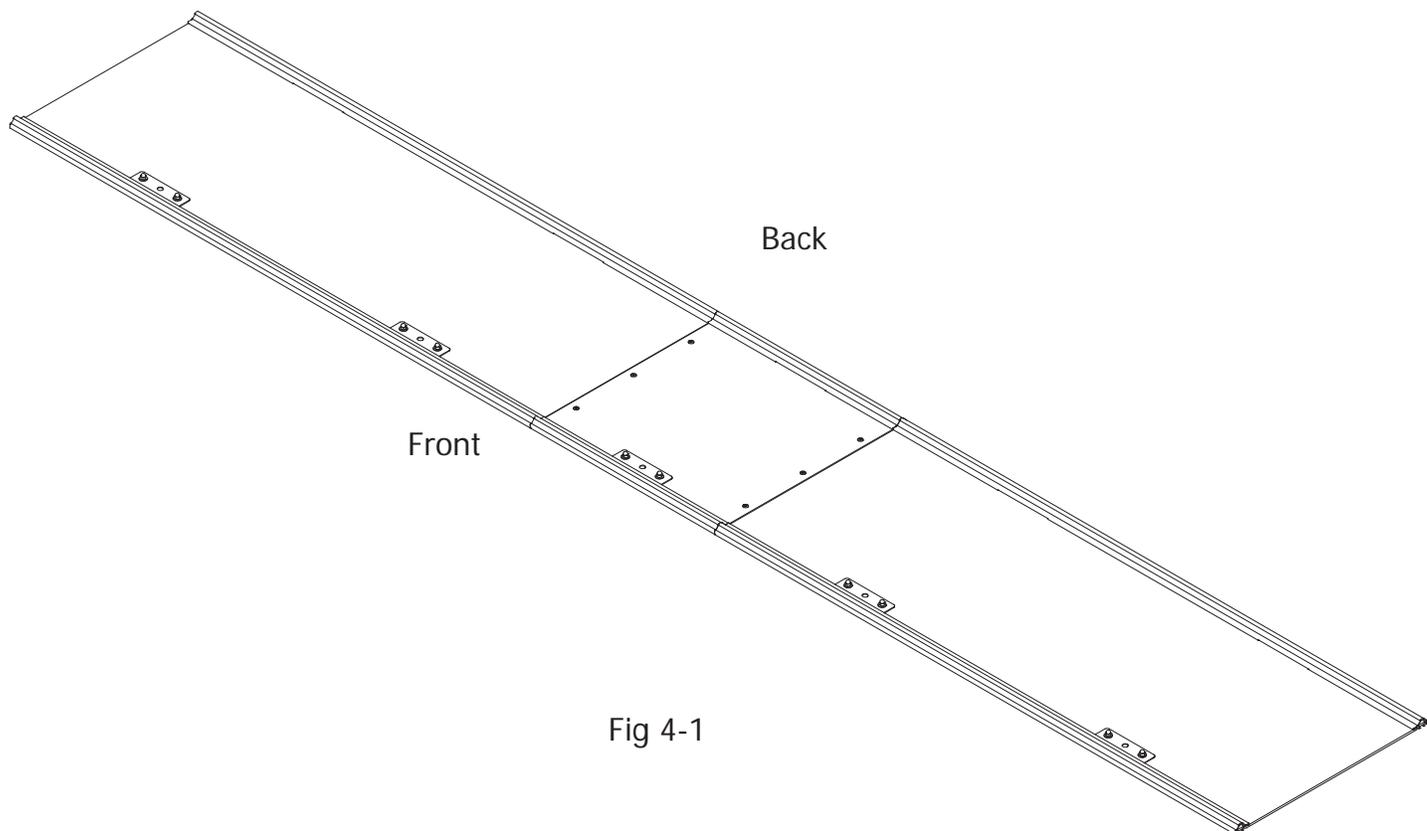
Parts needed

1-Table top assembly

Tools Required

1-Second person

4-1: Now that the table assemblies are joined it is time to carefully turn them over. Care should be taken to turn the assembly over so the couplers will not be bent and no damage will occur to the assembly. It is recommended that two people turn the assembly over being careful to keep it as straight as possible. Keep as much weight and stress off the center joint of the table assembly as possible. (**Fig.4-1**)



Step 5: Insert Black Track

Parts Needed

4-Black track 12'

1-Table top assembly

5-1: Insert a black plastic track completely into both sides of the two aluminum track supports. The plastic track should slide into the track support easily. If a plastic track binds slightly, try backing the track out a little, then, try pushing it further. If the track binds badly, check the track supports for debris, burrs misalignment or damage. (**Fig. 5-1**)

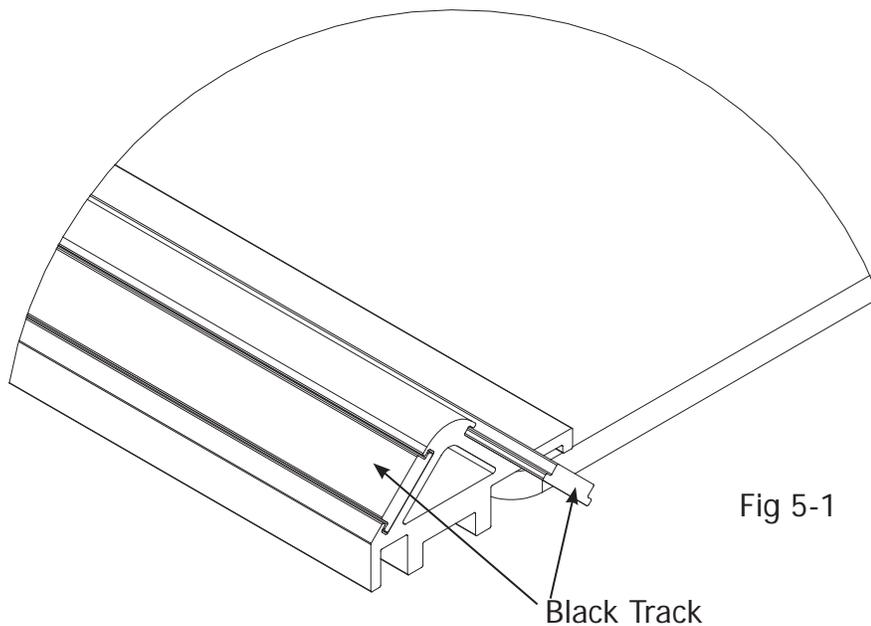


Fig 5-1

Step 6: Position the Table Top

Parts needed

- 1-Table top assembly
- 1-Double-sided tape

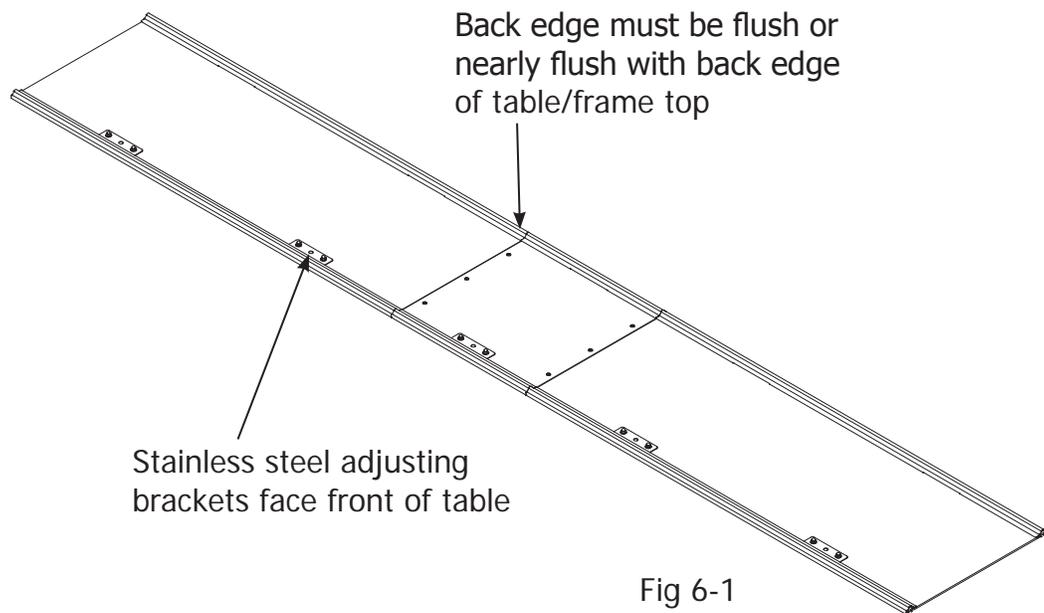
Tools Required

- 1-Tape measure (not provided)
- 1-Pencil, (not provided)
- 1-Second person



HINT: Make sure the stainless steel adjusting brackets are towards the front of the table.

6-1: Using a tape measure, mark the center of the table/frame top, left to right, with a pencil. Mark the center of the 2' section/new table top assembly left to right with a pencil. Center the table top assembly with the center line of the frame top. Position the table top track assembly so the aluminum track support without the adjusting brackets is flush with the back edge of the table/frame top. (**Fig. 6-1**)



6-2: Study where the new black plastic top will be aligned on the frame with it as flush to the back edge as possible, and install the new tape on the perimeter and on all cross members to hold down the new plastic top.

6-3: Before removing the tape backing, do a test run to see how the new plastic top will align. Ensure that everything will align fine onto the frame top sections and mark where the new top will start and stop. Ideally the table top assembly will fully cover the tape.

6-4: Remove the tape backing. With the help of a second person place the new top onto the tape, starting at the back at one end and aligning the back of the top flush with the back edge of the frame, moving across the table from one end to the other.



NOTE: It is important that the back track be flush with the back edge of the frame to ensure that the new carriage encoder at the back of 8-wheel HQ Precision-Glide carriage will work properly and not interfere with the table.

Step 7: Align Tracks to the Carriage

Parts needed

1-table top assembly
1-table
1-carriage

Tools Required

1-10mm wrench (Provided)

7-1: Loosen, but do not remove the acorn nut on each of the four metal adjusting brackets on the track support at the front of the table.



NOTE: The encoder on the 8-wheel HQ Precision-Glide carriage goes to the back of the table.

7-2: Place the carriage on the tracks at one end of the table. Roll the carriage back and forth along the length of the table, establishing the distance between the two tracks, taking care to check that the wheels are engaging the track on both the front and the back of the carriage.

7-3: With a machine on the carriage, roll the carriage the entire length of the table, working the tracks into the wheels as you go. Lightly tighten the two acorn nuts on each metal adjusting bracket as you move down the table. Check the carriage to verify that it rolls smoothly and that both ends of the carriage are engaging the tracks. If you find a section of track where the carriage rocks back and forth when the machine is moved all the way forward or back, loosen the acorn nuts and adjust the front track until the carriage rolls smoothly and does not rock, then re-tighten the acorn nuts on the metal adjusting bracket.

7-4: Finally, fully tighten the two acorn nuts on the four adjusting brackets. **Do not over-tighten the acorn nuts onto the screws with flats.**

Step 8: Stitch Regulator Adapter

Parts Needed

1-QM20336, V1, Blue Stitch-Regulator Adapter Board (Provided)

1-QM20333, V2, Green Stitch-Regulator Adapter Board (Provided)

1-QM20339, 5" Stitch Regulator Extension Cable (Provided)

1-QM11881, cable clamp, flat

Tools Needed

None

18-1: Unplug the 9-pin connector on your stitch regulator cable from the C-Pod and look at it to determine if you have a V1 or a V2 stitch regulator:

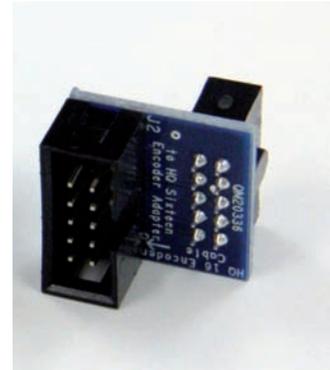
V1: If the end of your stitch regulator cable looks like **Fig. 8-1**, you will need the blue adapter board QM20336 **Fig. 8-2**.

V2: If the end of your stitch regulator cable looks like **Fig. 8-3**, you will need the green adapter board QM20333 **Fig. 8-4**.



V1 Cable

Fig 8-1



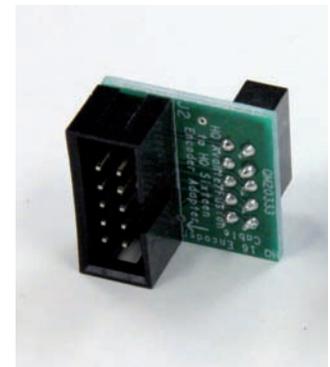
V1 Blue Adapter

Fig 8-2



V2 Cable

Fig 8-3



V2 Green Adapter

Fig 8-4

8-2: Plug the appropriate adapter board (blue or green) into the stitch regulator encoder that is on the new carriage (Fig. 8-5 and 8-6)

8-3: With the carriage on the frame and the quilting machine on the carriage, plug the short stitch regulator extension cable QM20339 (Figs. 8-7 and 8-8) into the adapter board.

8-4: Plug the Stitch Regulator Cable into the 5" Stitch Regulator Extension Cable (Fig. 8-7).

 **NOTE:** The 8-wheel HQ Precision-Glide carriage encoder goes to the back of the table.



Fig 8-5

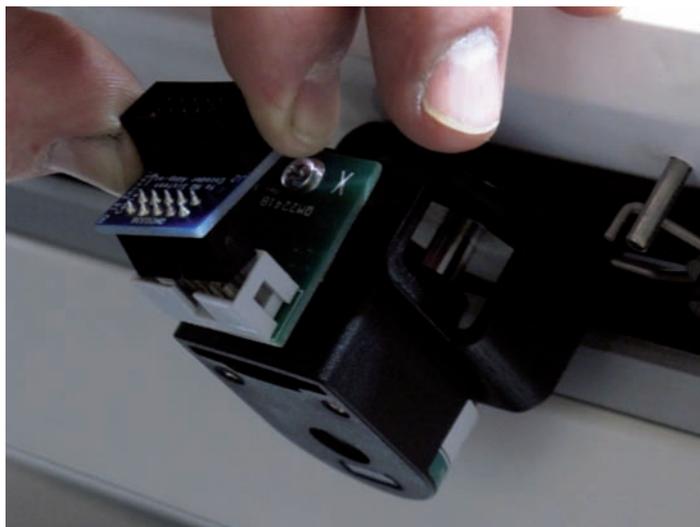


Fig 8-6

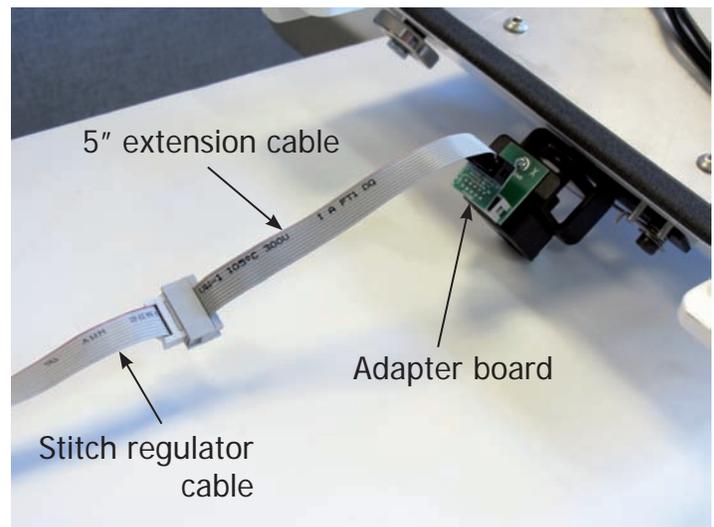


Fig 8-7



Fig 8-8

8-5: A flat cable clamp #QM11881 is provided with the QF09700 Kit to help manage the Stitch Regulator cable to the rear 8 Wheel Precision-Glide carriage encoder. See **Fig. 8-9**.



Fig 8-9