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HQ Gallery2™ Frame Sidearm Upgrade Kit

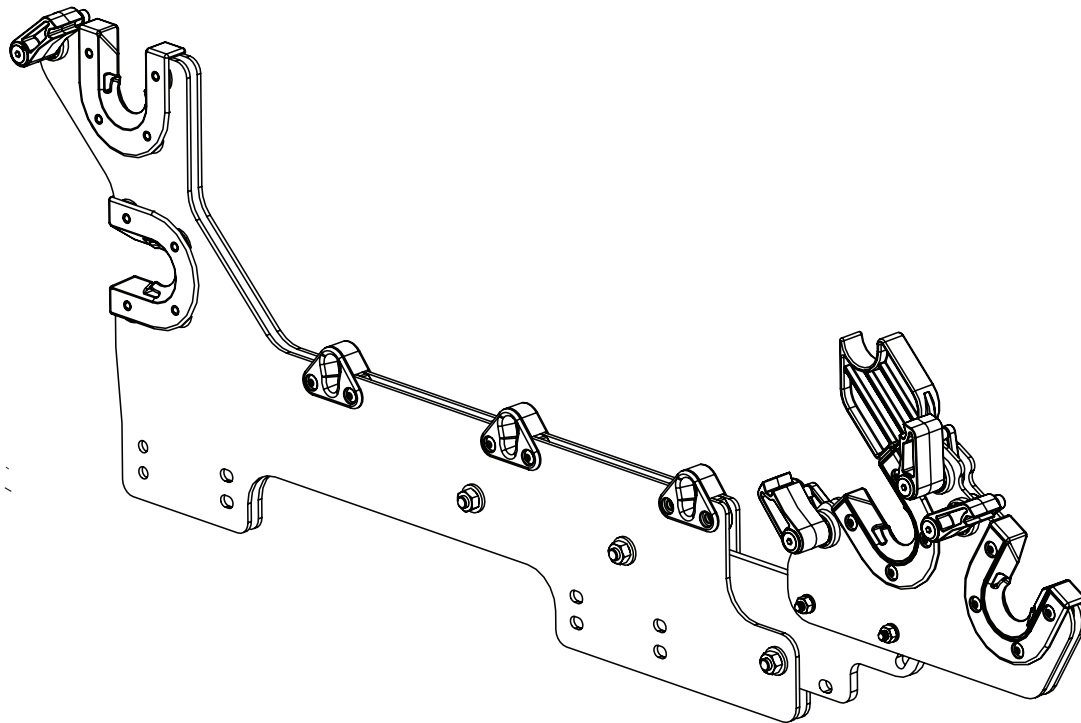
#QF12402

Assembly Instructions

#QF12402-700

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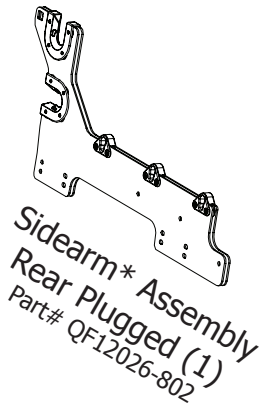
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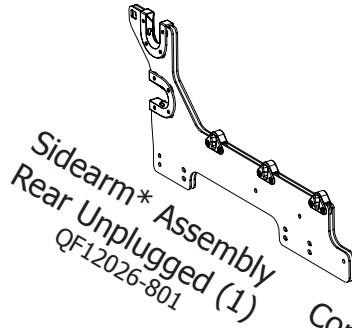
What's Included

Your HQ Gallery2 Frame Sidearm Upgrade Kit should have been delivered in one box. Upon opening, please check immediately to see if you have received the items listed in the Parts list found on pages 2.

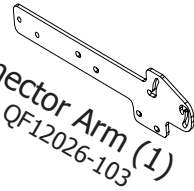
HQ Gallery2 Frame Sidearm Upgrade Kit Parts List



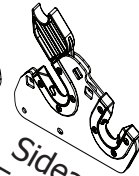
Sidearm* Assembly
Rear Plugged (1)
Part# QF12026-802



Sidearm* Assembly
Rear Unplugged (1)
QF12026-801



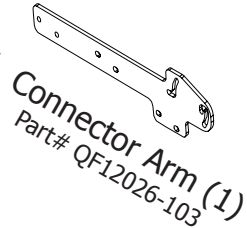
Connector Arm (1)
Part# QF12026-103



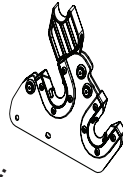
Sidearm* Assembly
Front Unplugged (1)
QF12026-803



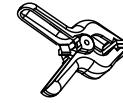
M8 x 12mm SKS
shoulder ZN (4)
Part# QF09320-07



Connector Arm (1)
Part# QF12026-103



Sidearm* Assembly
Front Plugged (1)
Part# QF12026-804



Bungee Side Clamp (6)
Part# QF09318-110
*NOTE: your clamps may be
different from the one pictured.*



M6x10x5 Lock Nut (4)
Part# QM10216



M8 x 1.25x25 SBHCS (3)
Part# QF09318-06



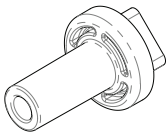
M8x1.25 Lock Nut (3)
Part# QF09318-08



M6x12 Flat Washer (4)
Part# QM10642



M8 Flat Washer (3)
Part# QF09318-09



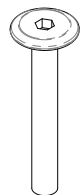
Ratchet-Stop
Bushing (4)
Part# QF09318-201



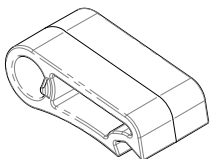
Ratchet-Stop
Mount (4)
Part# QF09318-202



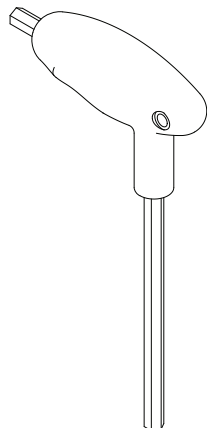
Ratchet-Stop
Holder (4)
Part# QF09318-205



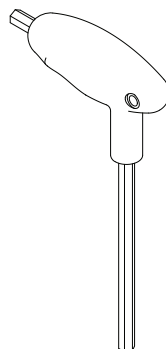
M6 x 45mm
Connector Screw (4)
Part# QF09318-204



Ratchet-Stop Latch (4)
Part# QF09318-203



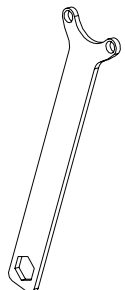
5mm Allen Wrench (1)
Part# QF09318-113



4mm Allen Wrench (1)
Part# QF09318-112



17/13/16mm Wrench (1)
Part# QF09318-114



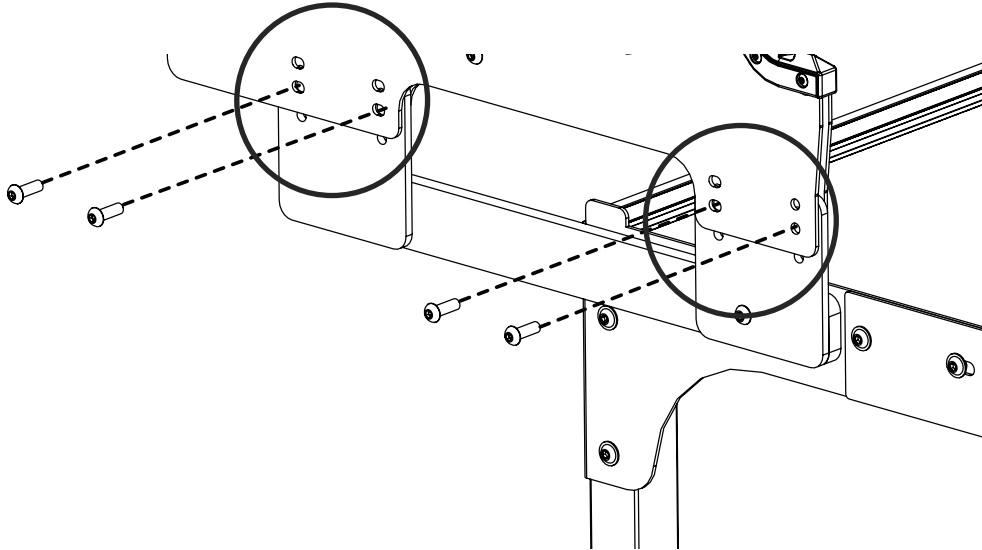
Pole End Wrench (1)
Part# QF09318-12

*Patent Pending

2 HQ Gallery2 Frame Sidearm Upgrade Ki

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Step 1: Preparing Frame for Upgrade



NOTE:

You may want to finish any quilt you have loaded on the frame before performing the sidearm upgrade.

Tools Required

5mm hex tool (provided)
17/13/16 wrench (provided)



NOTE: These instructions will describe changing the right end of the frame first with the open hole/latches to the right.

1-1: If a quilt is loaded on the frame, remove the quilt.

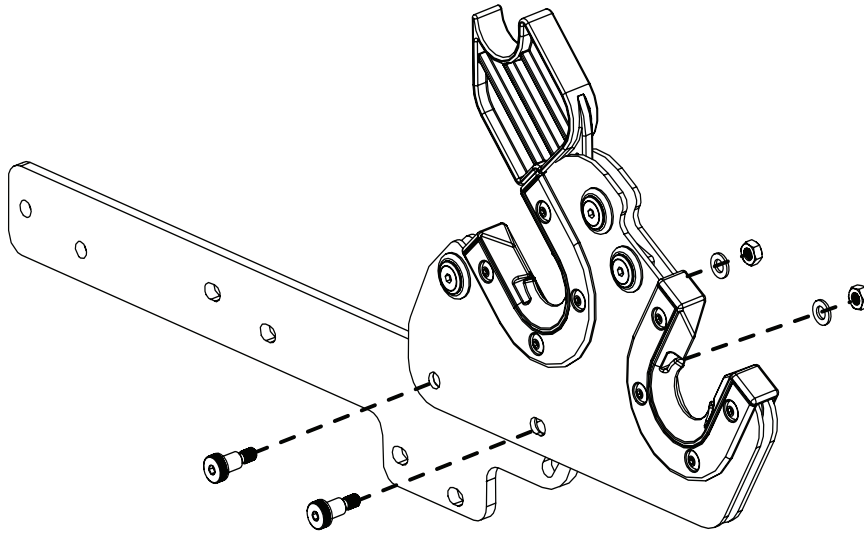
1-2: Remove the poles and set them aside in a safe place.

1-3: Remove the four screws holding the pole bracket onto the right frame side front bracket, using the 5mm hex tool and the 13mm wrench. Set the screws, nuts, and washers in a safe place to be reused later on.

1-4 Set the pole bracket aside.

1-5: Repeat steps 1-3 and 1-4 for the other pole bracket.

Step 2: Front Sidearm Assembly to Connection Arm



Heads to outside


Fig. 2-1


Parts Needed

- 1 - front unplugged sidearm assembly
- 1 - front plugged sidearm assembly
- 2 - connection arm
- 4 - M8 x 25mm SBHCS
- 4 - M8 washer
- 4 - M8 nut

Tools Required

- 5mm Allen wrench (provided)
- 13mm wrench (provided)

 **NOTE:** The above image is shown as it would appear with the plugs on the left and the ratchets and hand wheel on the right side of the frame.

 **NOTE:** If the nuts are tightened too much, it will impede the front sidearm assembly from being set into the two different user positions.

2-1: Decide whether you want the ratchet stop latches and hand wheel to be on the left or the right side of the frame. See **2-1** and note on next page.

2-2: If not already assembled, place the front sidearm assembly QM12026-804 over the connection arm QM12026-103. Place the two shoulder bolt screws through them with the head on the outside and the washers and nuts on the inside.

2-3: Repeat the process on the other front sidearm assembly. The screw heads should be on the outside and the washers and nuts should be on the inside.

2-4: Tighten the nuts fully, then loosen slightly so the front section can be pulled forward and back for the two pole position settings, ClearView and Standard.

2-5: Repeat steps 2-2 through 2-4 for the other sidearm assembly.

Step 3: Rear Sidearm Assembly to Front Sidearm Assembly

Parts Needed

- 1 - front sidearm assembly with connection arm unplugged
- 1 - rear sidearm assembly unplugged
- 1 - front sidearm assembly with connection arm plugged
- 1 - rear sidearm assembly plugged
- 6 - M8 x 25mm SBHCS
- 6 - M8 washers
- 6 - M8 lock nut

Tools Required

- 5mm Allen wrench and 13/17mm wrench



NOTE: You will find it best to tighten the screws in this step after mounting the pole bracket assemblies onto the frame mounts in **step 4-2**.



NOTE: Left-Side Hand Wheel option: If you prefer the hand wheel and ratchet stops on the left side of the frame, you will need to assemble the sidearm assembly unplugged with the nuts on the inside of the pole bracket when it is positioned on the left side of the frame.



NOTE: The screw ends, nuts and washers should be on the inside where they will not be inadvertently bumped or snagged by the user.

3-1: Decide whether you want the ratchet stop latches and hand wheel to be on the left or the right side of the frame (see Note). This will determine which direction the screws will be assembled through the sidearm assembly unplugged and the sidearm assembly plugged. The sidearm assembly unplugged is used for the hand wheel side of the frame.

3-2: Identify the sidearm assembly unplugged front and rear pieces and the sidearm assembly plugged front and rear pieces.

3-3: Assemble the sidearm assembly plugged front, the connector arm, and the sidearm assembly rear using three (3) M8 x 25mm SBHCS with three (3) M8 washers and three (3) M8 lock nuts as shown in Fig. 3-1a and Fig. 3-1b.

Fig. 3-1a shows assembly for the HQ Fusion®/HQ Forte™ 24-inch machine.

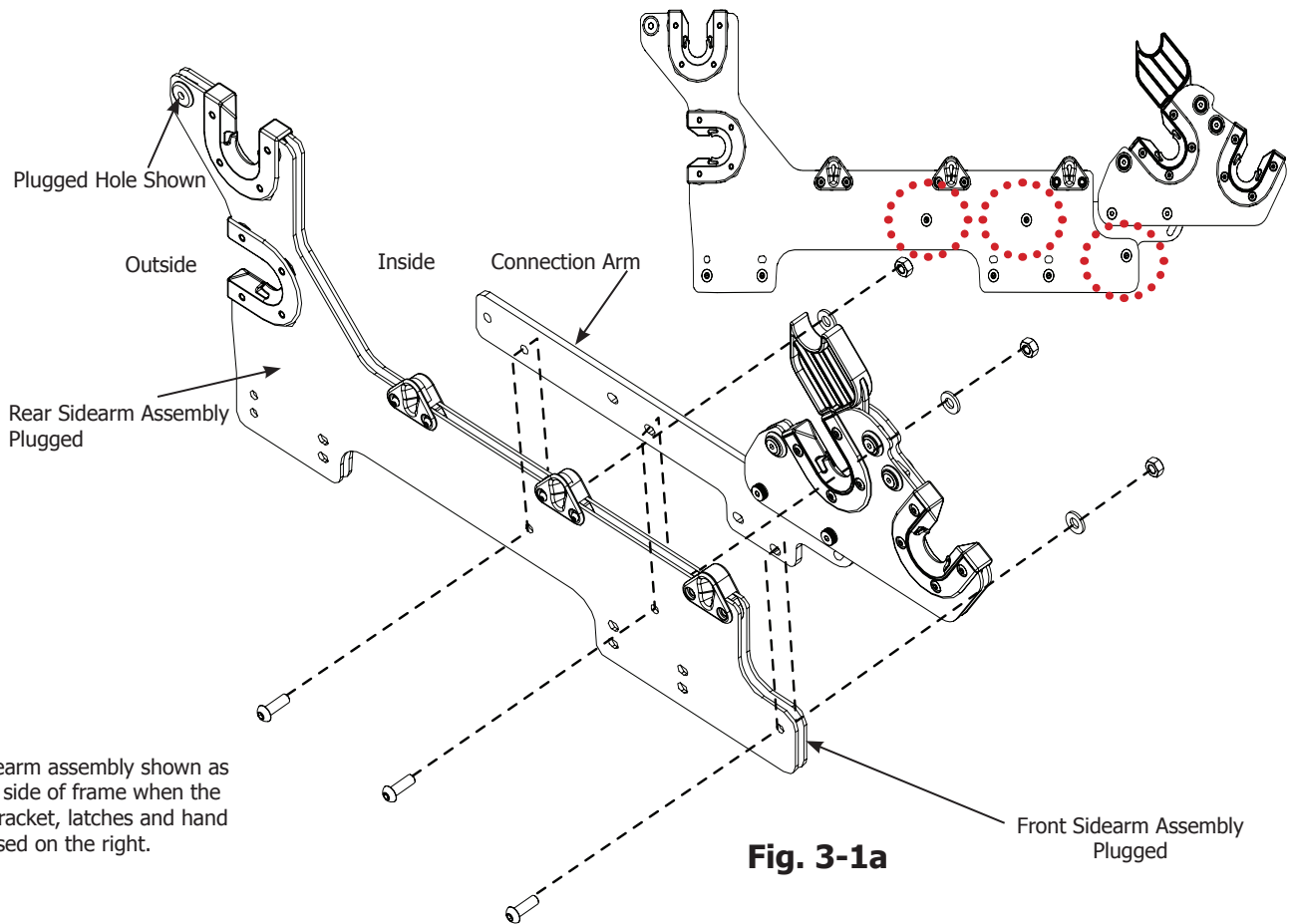
Fig. 3-1b shows assembly for the HQ Infinity® 26-inch machine.

Both figures show the sidearm assembly plugged as it would appear on the left side of the frame.

The screw heads should be on the outside and the washers and nuts should be on the inside when in position on the frame. Finger-tighten the screws for now. They will be tightened later in **step 4-2**.

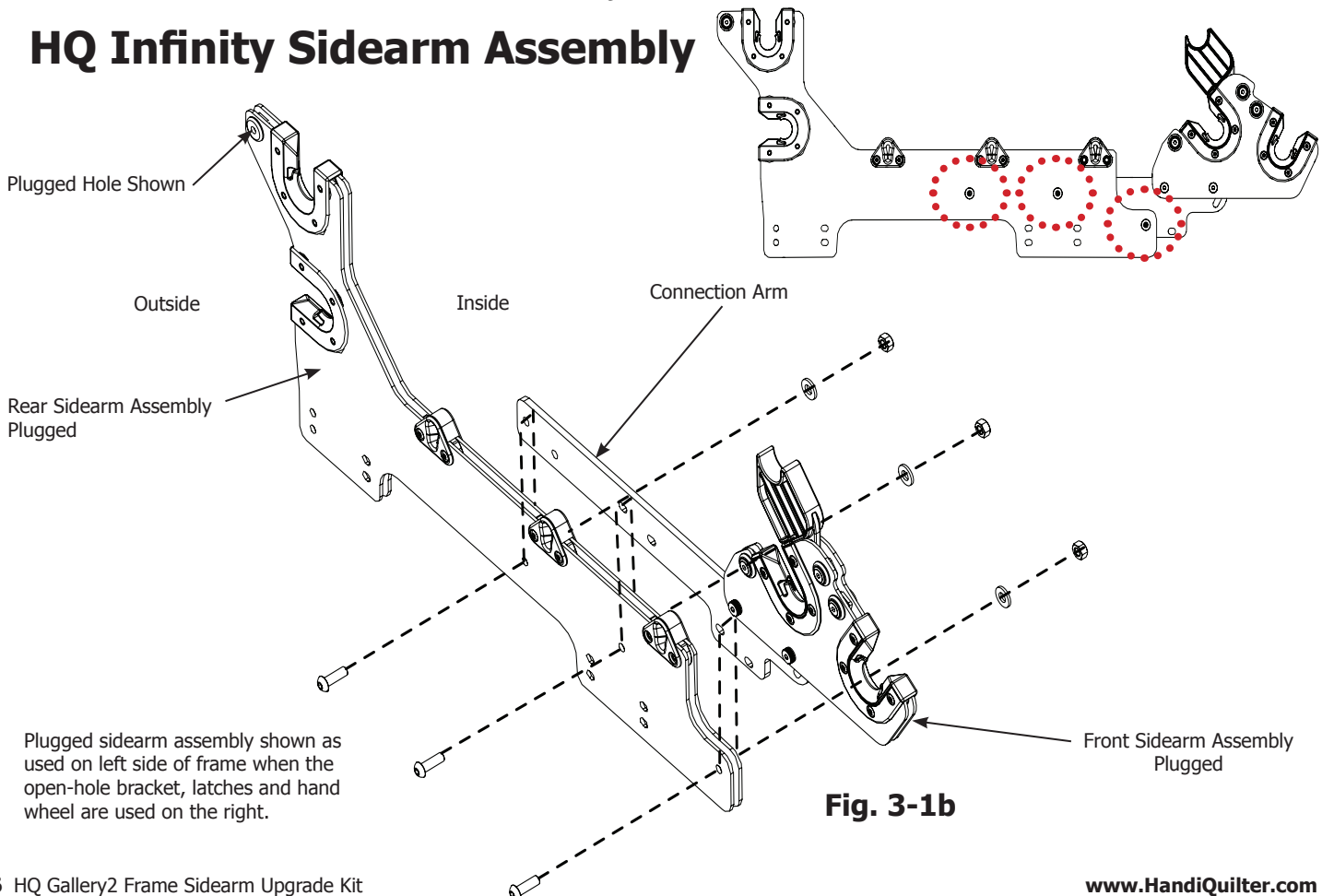
3-4: To assemble the sidearm assembly unplugged repeat **step 3-3**. The screw heads should be on the outside and the washers and nuts should be on inside when in position on the frame. Finger-tighten the screws for now, they will be tightened later in **step 4-2**.

Step 3: Rear Sidearm Assembly to Front Sidearm Assembly - cont.



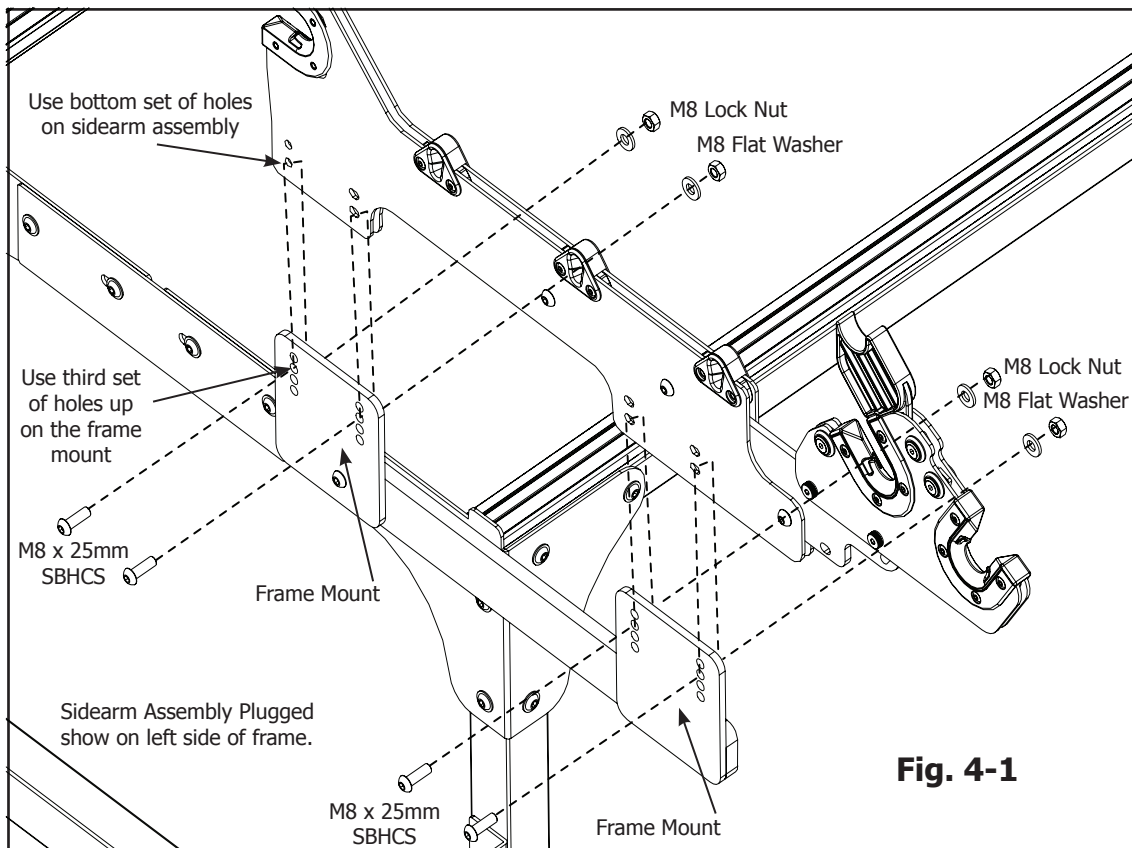
Plugged sidearm assembly shown as used on left side of frame when the open-hole bracket, latches and hand wheel are used on the right.

HQ Infinity Sidearm Assembly



Plugged sidearm assembly shown as used on left side of frame when the open-hole bracket, latches and hand wheel are used on the right.

Step 4: Sidearm Assembly to Frame Assembly



Parts Needed

- 1 - table
- 1 - sidearm assembly plugged
- 1 - sidearm assembly unplugged
- 8 - M8 x 25mm SBHCS
- 8 - M8 flat washers
- 8 - M8 lock nut

Tools Required

- 5mm Allen wrench
- 13/17mm wrench

4-1: Identify which end of the frame receives the hand wheel. The sidearm assembly unplugged will be placed on that end. Slide the sidearm assembly unplugged down over the two metal frame mounts on the end of the table. The sidearm assembly should straddle the two frame mounts.

Attach the sidearm assembly unplugged to the frame using four (4) M8 x 25mm SBHCS. Place the screws through the bottom set of screw holes on the sidearm assembly and into the third set of holes from the bottom of the frame mount. The screws should be threaded from the outside of the frame to the inside of the frame. On the end of each screw, slide a flat washer, followed by a lock nut (as shown in Fig. 4-1).

4-2: Fully tighten the four (4) screws with the 13/17mm wrench and the 5mm Allen wrench provided. Next, fully tighten the five (5) screws on the sidearm assembly unplugged that were finger-tightened in **step 3-3**.

4-3: Repeat **step 4-1** and **step 4-2** to attach the sidearm assembly plugged to the other side of the table.

Step 5: Ratchet-Stop Assembly

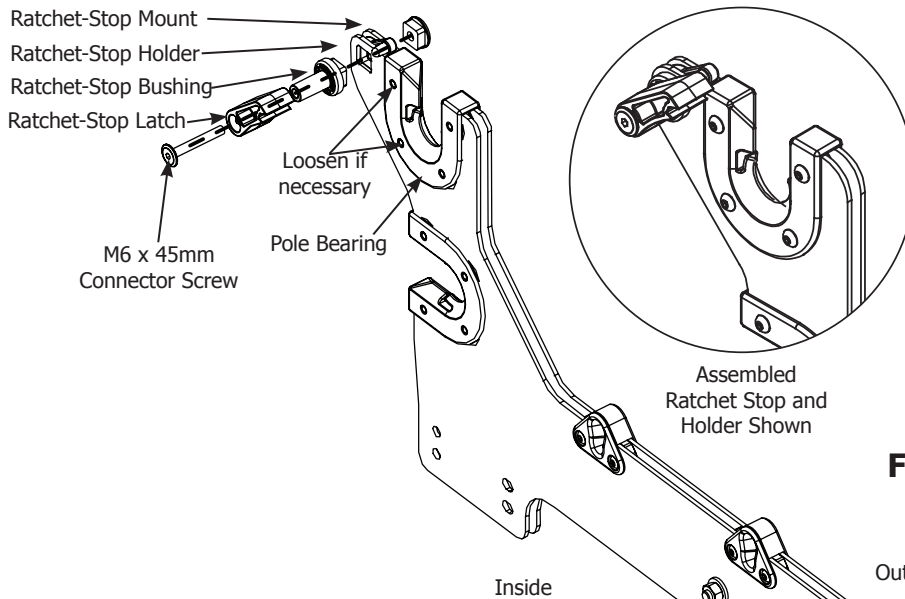


Fig. 5-1

Shown with ratchet stop latches assembled on right pole bracket for handwheel on right side.

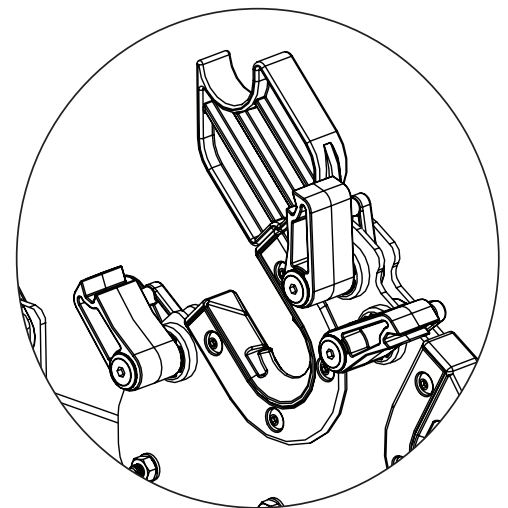
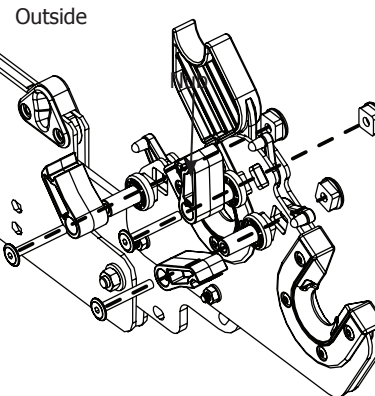


Fig. 5-2

Assembled Ratchet Stop and Holders Shown



Parts Needed

- 1 - sidearm assembly unplugged
- 4 - M6 x 45mm connector screw
- 4 - ratchet-stop latch
- 4 - ratchet-stop bushing
- 4 - ratchet-stop holder
- 4 - ratchet-stop mount

Tools Required

- 4mm Allen wrench (provided)

NOTE: If setting frame up with hand wheel on the left side of frame, reverse position (switch sides) of sidearm assembly. The ratchet stop latch assemblies will also need to be switched back to the inside.

5-1: Place one ratchet-stop holder between the two metal pieces at the back of the sidearm assembly unplugged, with the stop nub facing inside, as shown in Figs. 5-1 and 5-2. If the ratchet-stop holder will not fit, loosen the two bearing screws nearest the square hole. Slide in the ratchet-stop holder and re-tighten the bearing screws when finished.

5-2: Following the parts order in Fig. 5-1, thread one M6 x 45mm connector screw through a ratchet-stop latch, ratchet-stop bushing, sidearm assembly (with ratchet-stop holder inserted) and finally into the ratchet-stop mount. Pay close attention to the orientation of the ratchet-stop. Tighten with the 4mm Allen wrench until the ratchet-stop holder nub holds the ratchet-stop. (See Fig. 5-2).

5-3: In same manner, attach the remaining ratchet-stop latches and ratchet-stop holders to the front of the sidearm assembly unplugged, paying attention to the orientation of the ratchet-stop latches (Figs. 5-1 and 5-2).

Step 6: Pole to Frame Assembly

Parts Needed

- 1 - frame assembly
- 1 - batting storage pole
- 1 - idler pole
- 1 - quilt top pole
- 1 - backing pole
- 1 - take-up pole

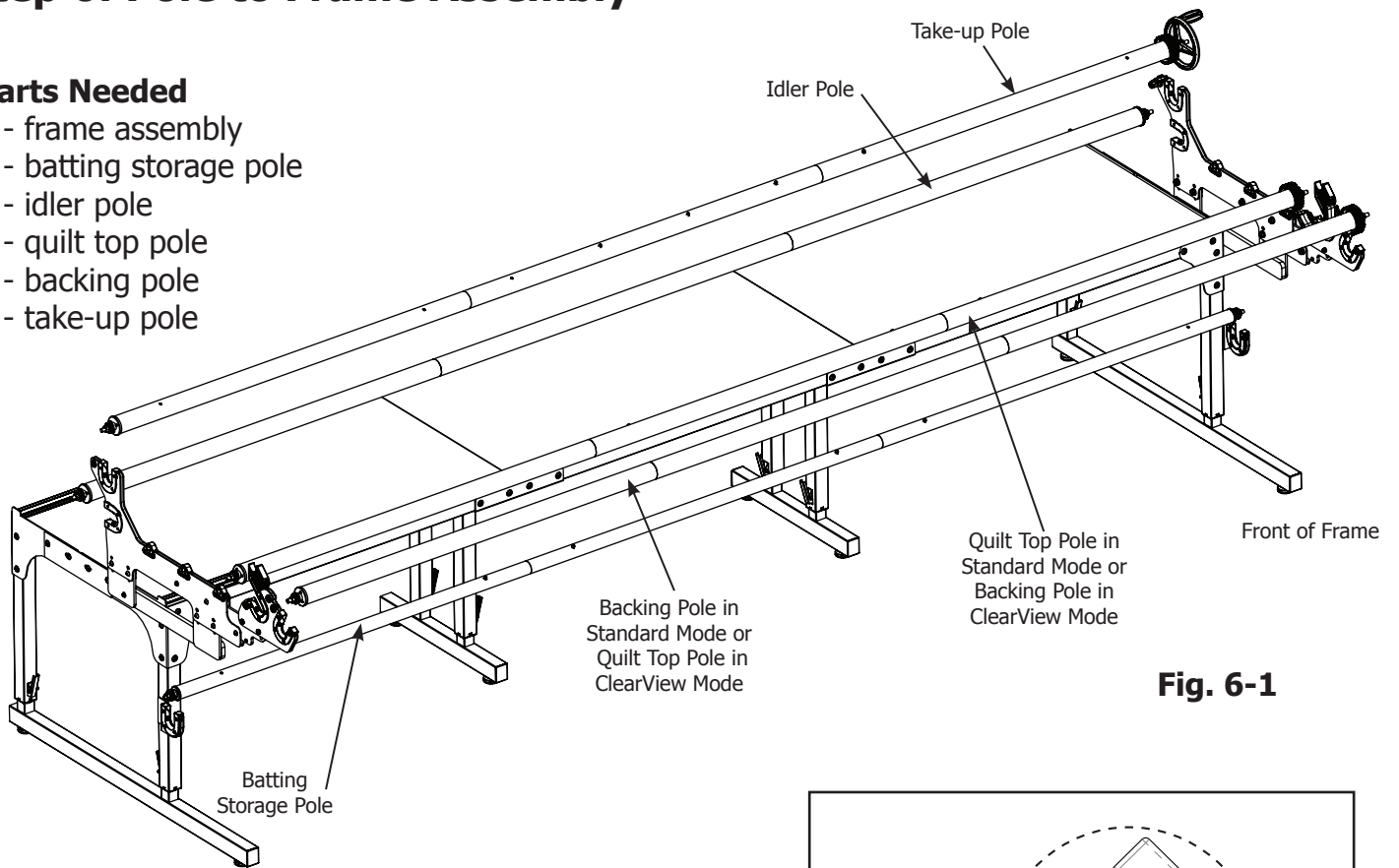


Fig. 6-1

6-1: Place the poles on the frame as shown in Fig. 6-1.

NOTE: The poles will snap past the plastic fingers, which are shown in Fig. 6-2.

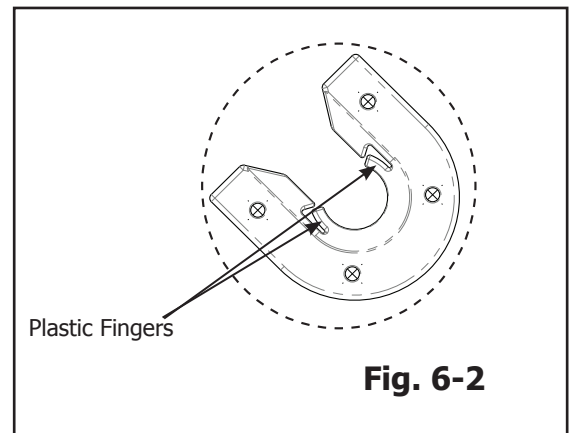


Fig. 6-2

Step 7: Bungee Side Clamp Assembly

Parts Needed

- 1- frame assembly
- 2- bungee clamps

7-1: Thread the bungee cord from the inside of the frame through the bungee slot and pull the cord in a downward movement to lock the bungee clamp in place.

7-2: Follow **step 7-1** for the other five bungee clamps (6 total).



NOTE: Your side clamps may appear different from the ones pictured. Refer to any instructions packaged with the clamps for additional information.

Step 8: Using the Pole Cradles

To use the HQ Pole Cradles when loading the quilt and quilt batting

1. After loading the quilt backing and the quilt top, release the ratchets on the quilt-top pole.
2. Pull one side of the quilt-top pole out of the pole bearing and lay it in the corresponding Pole Cradle. Repeat on the other side of the quilt frame.
3. Lay the quilt batting on the quilt backing, align it with the top of the backing, and smooth it in place.
4. Unroll enough of the quilt top to reach the top of the quilt backing and batting.
5. Return both sides of the quilt-top pole to the pole bearings and put the ratchet-stops back in place.
6. Proceed with attaching the clamps, stitching the plumb line, aligning the quilt top with the plumb line, and basting the top edge and sides of the quilt top.

To use the HQ Pole Cradles when advancing the quilt

1. When you're ready to advance your quilt, release the ratchet-stops on the top and backing poles. Advance the quilt by turning the take up pole.
2. Pull one side of the quilt-top pole out of the pole bearing and lay it in the corresponding Pole Cradle. Repeat on the other side of the quilt frame.
3. Reach under the quilt top to smooth and straighten the batting.
4. Return both sides of the quilt-top pole to the pole bearings and put the ratchet-stops back in place.
5. Proceed with attaching the clamps, smoothing and tensioning the quilt top, and basting down the sides of the quilt.





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