



# *HQ Micro Handles for HQ<sup>18</sup> Avanté* Installation Instructions

## *HQ Micro Handles Box Contents*

1. Micro Handles Assembly
2. Bag containing 3 silver M6 x 60 mm screws, adapter & cable
3. Installation Instructions (not shown)

### **Tool Needed (not included)**

5 mm hex wrench (use the wrench that came with the machine for use with the handlebar)



Figure 1

## *HQ Micro Handles Installation Instructions*

***WARNING: Turn machine power off or the machine may be damaged.***

### **Step 1**

- 1.1 Unplug the handlebar cable from the side of the machine.
- 1.2 With the power turned off, remove the front handles from the machine using a 5mm Allen wrench to remove the three black bolts (Figure 2). Hold onto the handles to prevent them from falling off while you are removing the bolts. Carefully set the handles aside.
- 1.3 Put aside the 3 screws. They won't be needed again. They will be replaced with the 3 silver screws provided with the HQ Micro Handles.



Figure 2

## Step 2

### Attach the new Micro Handles Bracket

- 2.1 Attach the Micro Handles Bracket between the machine head and the front handles.
- 2.2 Use the three (3) M6 x 60mm silver bolts to attach.

## Step 3

### Install the Handlebar Cable Adapter Board

- 3.1 Plug the Micro Handles Adapter Board into the handlebar cable port connector (if the handlebar cable is plugged into this port, unplug it first). Figure 3
- 3.2 Plug the handlebar cable into the Micro Handles Adapter Board and plug the loose end of the telephone-style cable into the telephone jack connected to the light board.\* This board is mounted on the lower portion of the Micro Handles bracket and can be seen in the image under Step 5. Figure 4

## Step 4

### Adjust the Micro Handles Height

- 4.1 With the black “star” knob loose (rotated counter-clockwise), raise or lower the Micro Handles to the desired height. Figure 5
- 4.2 Tighten (rotate clockwise) the knob at the desired height.

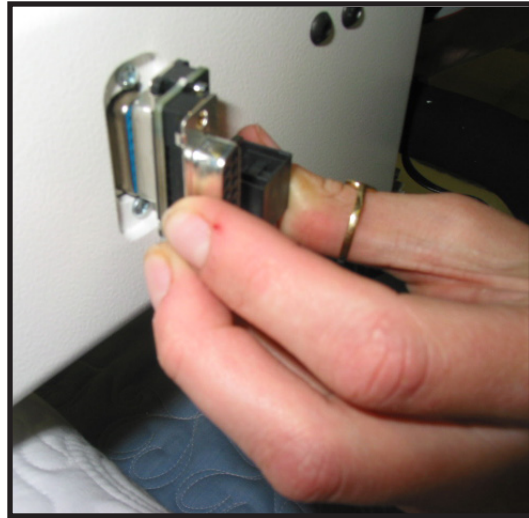


Figure 3



Figure 4



Figure 5

## Step 5

### Adjust the Micro Handles Angle

5.1 Use a 5mm Allen wrench to loosen (rotate counter-clockwise) the two black Allen bolts which clamp the Micro Handles to the front of the Micro Handles Bracket. Figure 6

5.2 **Gently** rotate the handlebars in or out to the desired position (Figure 7). Handi Quilter recommends starting with the handles near the hopping foot. Some quilters like to work with their handles very close to the needle, while others are more comfortable with the handles away from the needle. Choose a position that is best for the quilter's working style. Tighten (rotate clockwise) the two 5mm Allen bolts to fix the position of the handlebars.

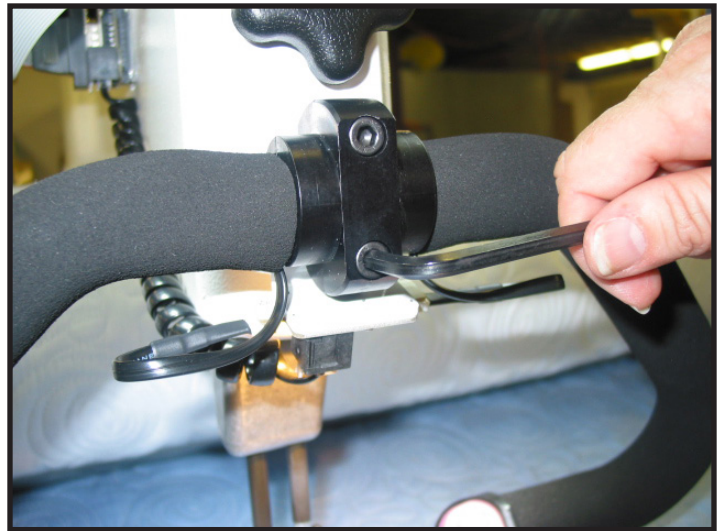


Figure 6

## Step 6

### Temporary Micro Handles Removal for Normal Quilting

**WARNING:** *Failure to turn power off before removing or adding micro handles may cause damage to machine or micro handles.*

- 6.1 If at any time the quilter wishes to remove the HQ Micro Handles:
- Turn off the machine.
  - Disconnect the telephone-style cord from the Handlebar Cable Adapter Board on the side of the machine and loosen the black "star" knob.
  - Carefully lift the handles until the bolt in the "star" knob is located in the enlarged round hole in the Bracket. Pull forward and the entire handlebar lower bracket section will become disconnected from the upper bracket.
  - Store your Micro Handle in a safe location
  - Reverse process to re-install HQ Micro Handles.



Figure 7

**\*IMPORTANT!** Be sure the HQ Micro Handles are securely fastened to the bracket before plugging the cable into the jack. If the handles fall while plugged in, the permanent cable connections could be pulled apart, causing the handles to fail. This would not be considered normal wear and tear, nor is it a manufacturing defect. Please use common sense and give the electrical connections the care they deserve.