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Contents of the HQ Micro Handles Package (QM29500)

In addition to the Micro Handles assembly, the HQ Micro Handles box includes the following items:

Part #	Quantity	Description	Use for
QM11515	3	M6 x 60 mm screws (silver)	HQ Avanté (use all 3 screws) HQ Sixteen with tilt handlebars (use only 2 screws)
QM10455	3	M6 x 50 mm screws (black)	HQ Sixteen with nontilt-screen handlebars
QM10721	1	M6 x 20 screw (black)	HQ Sixteen with tilt-screen handlebars
QM11510	1	Alignment adapter MHB	HQ Sixteen with tilt-screen handlebars
QM21501	1	Adapter board	HQ Avanté and HQ Sixteen
QM21503	1	Telephone-style cable	HQ Avanté and HQ Sixteen
QM31801	1	Instruction manual	HQ Avanté and HQ Sixteen

Tool Needed (not included)

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

Read This First

 **CAUTION:** It is important to use the screws indicated above for your machine and type of handlebars. If you use screws that are too long, you risk damaging or cutting the cables inside your machine.

If any items are missing, please contact Handi Quilter immediately at 1-877-MY-QUILT (697-8458) or sales@HandiQuilter.com.

 **IMPORTANT:** The HQ Micro Handles were not designed to work with the Simply Sixteen™. If you purchased the micro handles to use with the Simply Sixteen, contact Handi Quilter (1-697-8458 or sales@HandiQuilter.com) within two weeks of receipt for a return authorization and a full refund. We do not guarantee satisfactory performance with these handles with the HQ Simply Sixteen machine.

 **CAUTION:** Turn off the machine’s power, or the machine or micro handles may be damaged during installation.

HQ Avanté Installation

1. Turn off the power to the machine and unplug the handlebar cable from the side of the machine.
2. Use a 5mm Allen wrench to remove the three black bolts that attach the handlebars to the machine.



3. Hold on to the handles to prevent them from falling off while you are removing the bolts. Carefully set the handles aside.
4. Put aside the old screws. They won't be needed again. They will be replaced with the silver screws (M6 x 60 mm) provided with the HQ Micro Handles.
5. Attach the micro handles bracket between the machine head and the front handles. Use the three M6 x 60mm silver bolts to attach.
6. Plug the micro handles adapter board into the handlebar cable port connector. (You may need to first unplug the handlebar cable.)



7. 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 for step 1 under To adjust the angle of the micro handles.



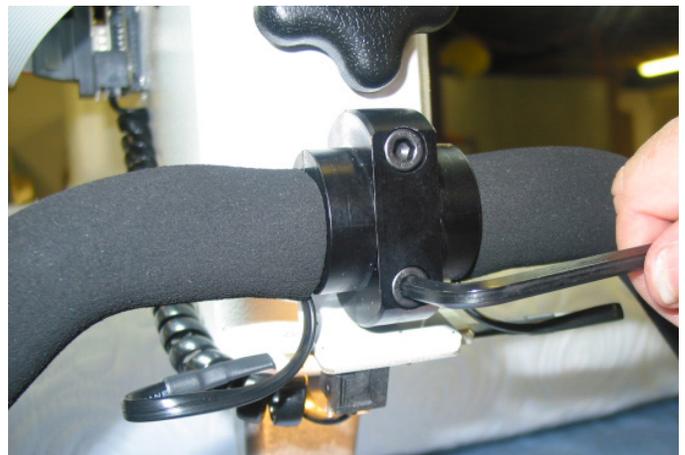
To adjust the height of the micro handles

- Loosen the black star knob (rotate counterclockwise) and then raise or lower the micro handles to the desired height. Then tighten (rotate clockwise) the knob.



To adjust the angle of the micro handles

1. Use a 5mm Allen wrench to loosen (rotate counterclockwise) the two black bolts which clamp the micro handles to the front of the micro handles bracket.



2. Gently rotate the handlebars in or out to the desired position. Tighten (rotate clockwise) the two 5mm bolts to fix the position of the handlebars.



Machine Quilting Tip: Positioning the Micro Handles

Handi Quilter recommends starting with the handles near the hopping foot. Some quilters like to work with the 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 your working style.

To temporarily remove the micro handles for normal quilting

⚠ CAUTION: Be sure to turn power off before removing or adding micro handles or you may cause damage to the machine or the micro handles.

1. Turn off the machine.
2. Disconnect the telephone-style cord from the handlebar cable adapter board on the side of the machine and loosen the black star knob.
3. 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 disconnect from the upper bracket.
4. Store your micro handles in a safe location
5. Reverse process to reinstall micro handles.

⚠ CAUTION: Be sure the 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 to function. This would not be considered normal wear and tear, nor is it a manufacturing defect. Give the electrical connections the care they deserve.

HQ Sixteen Installation

 **NOTE:** Note that step five below is specifically for the tilt-screen handlebars and step six is for the nontilt-screen handlebars. The rest of the steps are the same for both style handlebars.

1. With the power turned off, remove the front handles from your machine.
2. Unplug the handlebar cable from the side of the machine.
3. Use a 5mm Allen wrench to remove the bolts on top of the handles behind the tilt screen. (The tilt-screen handlebars, shown at right, have two bolts; the nontilt-screen handlebars have three bolts.)

Hold onto the handles to prevent them from falling off while you are removing the two bolts. Carefully set the handles aside.

If you have the tilt-screen handlebars, remove the shorter 5mm bolt from the adapter plate.

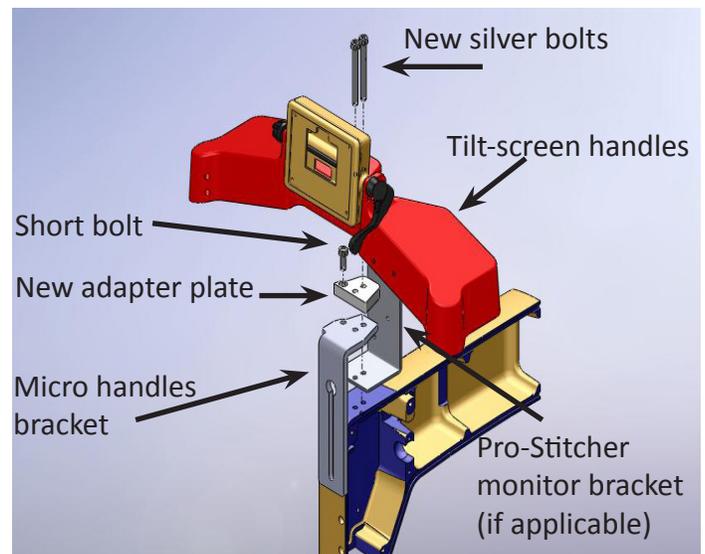


4. Put aside all the bolts as they won't be needed again. You will be replacing them with the screws that came with the micro handles.

 **NOTE for Pro-Stitcher Owners:** If you have a Pro-Stitcher monitor attached, carefully hold onto the monitor and brackets while you remove the bolts and set the monitor and bracket aside. Put aside the adapter plate; you will use a thicker adapter plate provided with the micro handles.

If you have tilt-screen handlebars:

5. Attach the micro handles bracket to the machine head, layering the parts from the machine head upward as follows:
 - Bottom: HQ Pro-Stitcher monitor bracket (if applicable)
 - Micro handles bracket
 - New thicker adapter plate
 - Short bolt
 - Tilt-screen handlebars



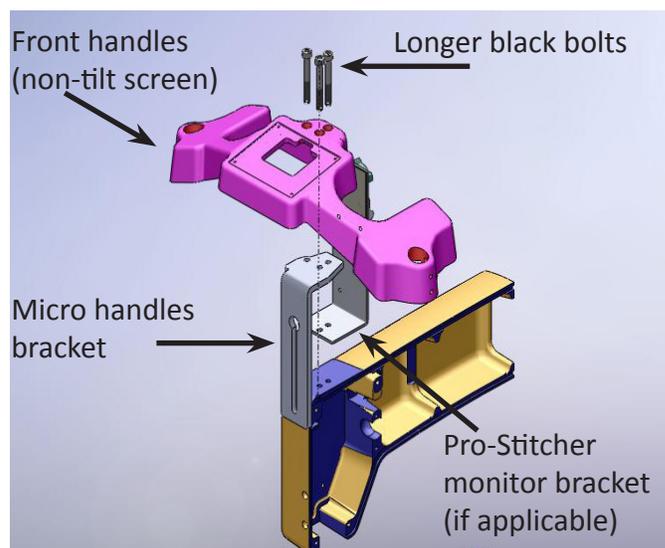
Use the new, longer, silver bolts to attach the tilt-screen handlebars to the machine head. (The black bolts will be too short.) **Continue with step 6 above for the HQ¹⁸ Avanté on page 2.**



NOTE: When attaching the adapter plate, begin threading the small bolt into the front-left hole (through the adapter plate, the micro handle top bracket, and the HQ Pro-Stitcher monitor bracket). Loosely insert one of the longer bolts into either of the remaining two holes to help align all the parts while you tighten the short bolt.

If you have nontilt-screen handlebars:

6. Attach the micro handles bracket to the machine head, layering the parts from the machine head upward as follows:
 - Bottom: HQ Pro-Stitcher monitor bracket (if applicable)
 - Micro handles bracket
 - Front handlebars



Use the black bolts included with the micro handles to attach the front handles to the machine head. These bolts are longer than the bolts you removed. Do not use the silver bolts from the other bag; they are used with tilt-screen handlebars only. **Continue with step 6 above for the HQ Avanté on page 2.**