

Getting Started

Monitor Styles

1. Identify the monitor style on your Pro-Stitcher by comparing to the photos at the right; newer tablets photos are not shown, see other tablets as applicable.
2. Find the Part Number in the list below that is associated with your monitor; see page 2 for more detailed information.
3. Go to the indicated page for the Tablet Upgrade Parts List and Installation Instructions.

Hardware Upgrade Part Numbers

IEI Computer/Monitor (Figure 1)

QM03802 Pro-Stitcher Tablet Upgrade (*without Pro-Stitcher Designer*)

QM03803 Pro-Stitcher Tablet Upgrade (*with Pro-Stitcher Designer*)

See **Page 2** for more detailed information.

Innovatek Monitor (Figure 2) and Lilliput Monitor (Figure 3)

QM03806 Pro-Stitcher Tablet Upgrade (*without Pro-Stitcher Designer*)

QM03805 Pro-Stitcher Tablet Upgrade (*with Pro-Stitcher Designer*)

See **Page 2** for more detailed information.

Note: Please see the next page for a list of complete part numbers with suffix for specific machines: HQ16, Avante, Fusion, Infinity, Simply, etc. These kits include the appropriate hardware and cables for the different machines and the software for each machine on the tablet (e.g. -H, -A, -F, -INF, -S -AM, -FO).



Figure 1 IEI Computer/Monitor
(QM03802 without PSD or QM03803 with PSD)



Figure 2 Innovatek Monitor
(QM03806 without PSD or QM03805 with PSD)



Figure 3 Lilliput Monitor
(QM03806 without PSD or QM03805 with PSD)

Machine	Monitor/Tablet	Upgrade Part Number Without Pro-Stitcher Designer	Upgrade Part Number With Pro-Stitcher Designer	Notes and Page #s
HQ Sixteen	IEI, Asus EEEPC, Acer W500, HP Omni, Acer W700, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-H	QM03803-H	-H for HQ Sixteen on tablet See pages: 4-7
HQ Sixteen	Innovatek Monitor, Lilliput Monitor	QM03806-H	QM03805-H	-H for HQ16 on tablet See pages: 10-17
Fusion	IEI, Asus EEEPC, Acer W500, HP Omni, Acer W700, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-F	QM03803-F	-F for Fusion on tablet See pages: 4-7
Fusion	Innovatek Monitor, Lilliput Monitor	QM03806-F	QM03805-F	-F for Fusion on tablet See pages: 10-17
Avante	EEEPC, Acer W500, HP Omni, Acer W700, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-A	QM03803-A	-A for Avante on tablet See pages: 4-7
Avante	Innovatek Monitor, Lilliput Monitor	QM03806-A	QM03805-A	-A for Avante on Tablet See pages: 10-17
Infinity	Acer W700, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-1-INF	QM03803-INF	-INF for Infinity on tablet See page: 8
Simply	Acer W700, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-S	QM03803-S	-S for Simply on Tablet See pages: 4-7

Continued on next page

Machine	Monitor/Tablet	Upgrade Part Number Without Pro-Stitcher Designer	Upgrade Part Number With Pro-Stitcher Designer	Notes and Page #s
Amara	Acer W700, HP Omni, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-AM	QM03803-AM	-AM for Amara on tablet See page: 9
Forte	Acer W700, HP Omni, Acer Switch 11, Acer Alpha 12, Acer Switch 3	QM03802-FO	QM03803-FO	-FO for Forte on tablet See page: 9



- QM03803 with Pro-Stitcher Designer
- QM03802 without Pro-Stitcher Designer
- QM03805 with Pro-Stitcher Designer
- QM03806 without Pro-Stitcher Designer

Parts Lists

HQ Pro-Stitcher Tablet Upgrade for:

IEI, EEPC, W500, HP Omni, W700, Switch 11, Alpha 12, and Switch 3 tablet

With Pro-Stitcher Designer

QM03803-H(w/PSD) for HQ16

QM03803-F (w/PSD) for Fusion

QM03803-A (w/PSD) for Avante

QM03803-S (w PSD) for Simply

Included Parts

- (1) **QM20887-16** HQ Pro-Stitcher Touch-Screen Tablet
- (1) **QM11087** HQ Pro-Stitcher Tablet Mounting Bracket Assembly (w/base)
- (1) **QM20830** *Pro-Stitcher Designer* Software
- (1) **QM20811-9** Cable PS USB REVA
- (1) **QM20812-8** Cable PS Power 12v to PC
- (1) **QM20865** PS USB Flash Drive HQ
- (1) **QM30014** Pro Stitcher Quick Reference Guide
- (1) Instructions (these instructions)



- QM03803 with Pro-Stitcher Designer

Without Pro-Stitcher Designer

QM03802-H (w/o PSD) for HQ16

QM03802-F (w/o PSD) for Fusion

QM03802-A (w/o PSD) for Avante

QM03802-S (w/o PSD) for Simply

- QM03802 without Pro-Stitcher Designer

Note: The kits have the same hardware, but the tablets are imaged for the specific machine: -H for HQ16, -F for Fusion, -A for Avante, and -S for Simply.

Installation Instructions

QM03803 and QM03802 for HQ16, Fusion, Avante, and Simply

1. Disconnect the two serial cables and the power cable from the bottom of the IEI or other tablet (*Figure 4*).
2. Remove the three bolts from the handlebar and carefully remove the black plastic bracket and tablet from the quilting machine (*Figure 5*).

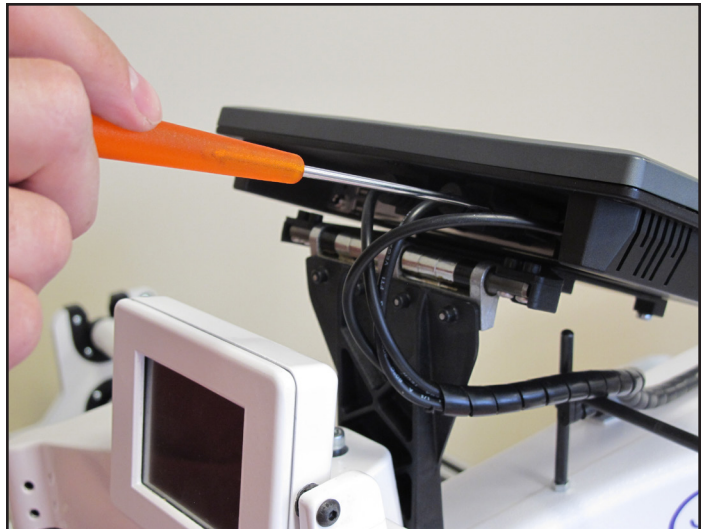


Figure 4



Figure 5

3. Attach the new tablet bracket to the quilting machine using the handlebar bolts in the same way the previous IEI bracket was mounted (*Figure 6*).
4. Attach the two 9-pin serial cables (*Figure 7a*) to the appropriate connectors labeled #1 and #2 on the black box mounted on the back of the new bracket (*Figures 7a and 7b*).
5. Plug the barrel connector (from the third cable wrapped together with the two serial cables, *Figure 7a*) into the middle connector on the bottom of the black box (*Figure 7c*).

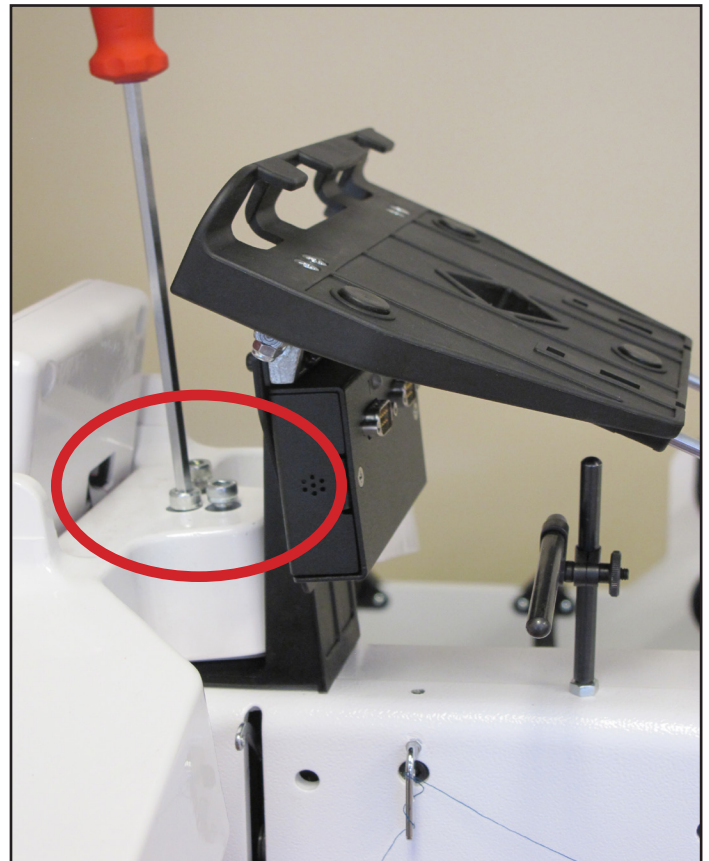


Figure 6



Figure 7a

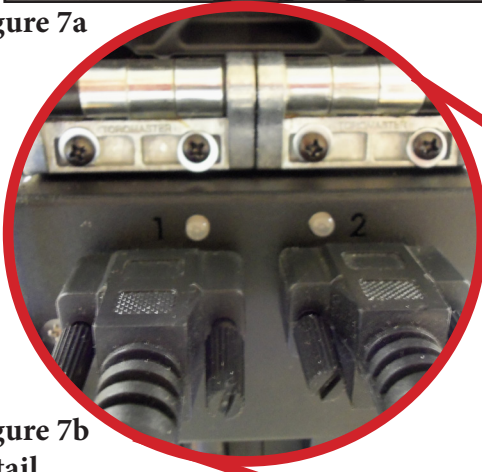


Figure 7b
detail

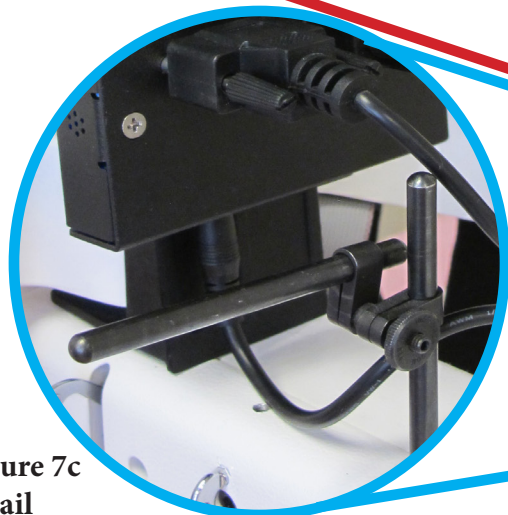


Figure 7c
detail

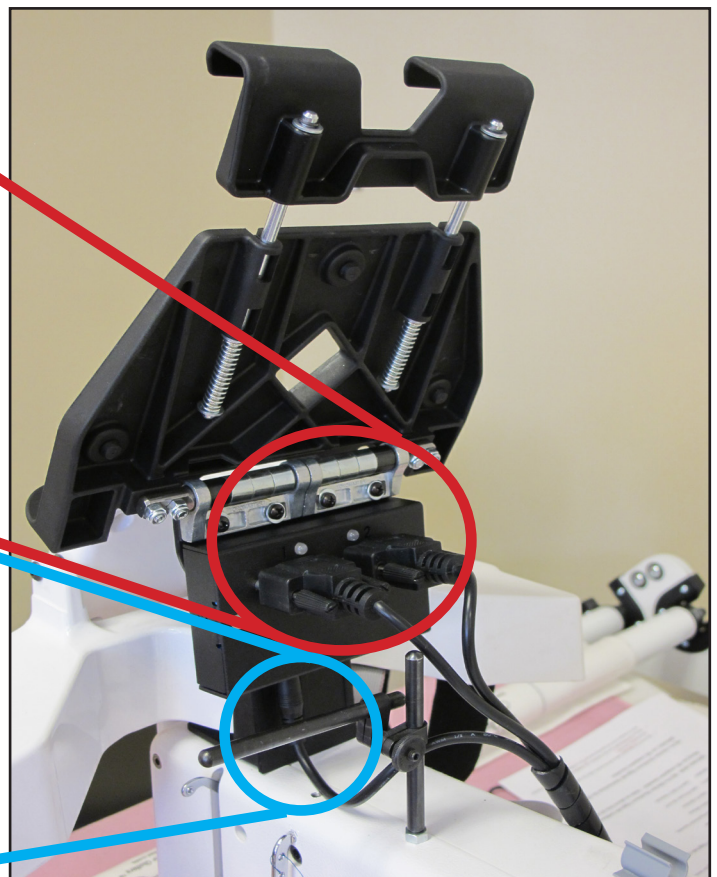


Figure 7

6. Lift up on the top bracket and slide the tablet sideways into the new computer bracket until it is centered (*Figure 8*).
7. Carefully plug the appropriate end of the power cord and one end of the USB cable into the side of the tablet (*Figure 9*). Plug the opposite ends of the two cords into the bottom of the black box attached to the back of the tablet bracket (*Figure 10*).
8. The black box on the back of the tablet bracket has two USB ports on the left-hand side that can be used for the USB memory stick, a USB mouse, etc. (*Figure 11*).

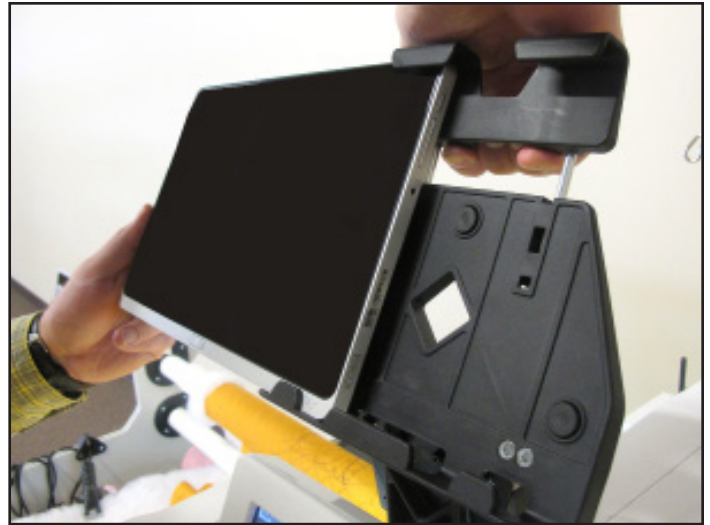


Figure 8



Figure 9



Figure 10



Figure 11

Parts Lists

HQ Pro-Stitcher Tablet Upgrade for:
HP Omni, W700, Switch 11, Alpha 12, Switch
3 tablets

With Pro-Stitcher Designer

QM03803-INF (w/PSD) for Infinity

Included Parts

- (1) QM20887-17 PS Tablet Microsoft Surface Pro
Pro-Stitcher Touch-Screen
Tablet for Infinity
- (1) QM12349 PS-Infinity Tablet Bracket
- (1) QM20830 *Pro-Stitcher Designer* Software
- (1) QM23811-9 Cable-USB PS Acer Switch Alpha
- (1) QM23094-9 Cable-DC Power Surface REVF
- (1) QM20865 PS USB Flash Drive HQ
- (1) QM30014 Pro Stitcher Quick Reference Guide
- (1) Instructions (these instructions)

Without Pro-Stitcher Designer

QM03802-1-INF (w/o PSD) for Infinity

Installation Instructions

QM03803 and QM03802-1 for Infinity

1. Remove the USB and power cables from the tablet.
(*Figure 12*)
2. Remove the USB and power cables from the side
of the machine.
3. Lift up on the top bracket and slide the tablet out
of the bracket. (*Figure 13*)
4. Remove the four screws from the mounting bracket
hinge with a 3mm hex tool. (*Figure 14*)
5. Place the tablet, mounting bracket, and cables
aside. The hinge screws will be reused.
6. Reverse the process with the new tablet, mounting
bracket, and cables to install the updated tablet
assembly.

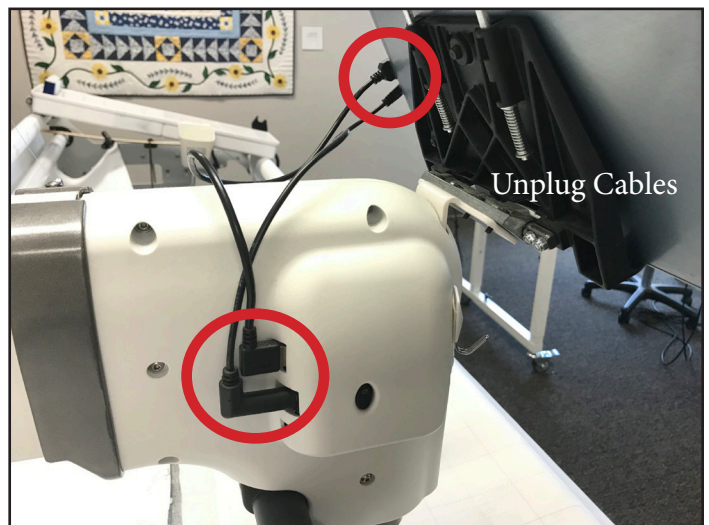


Figure 12



Figure 13

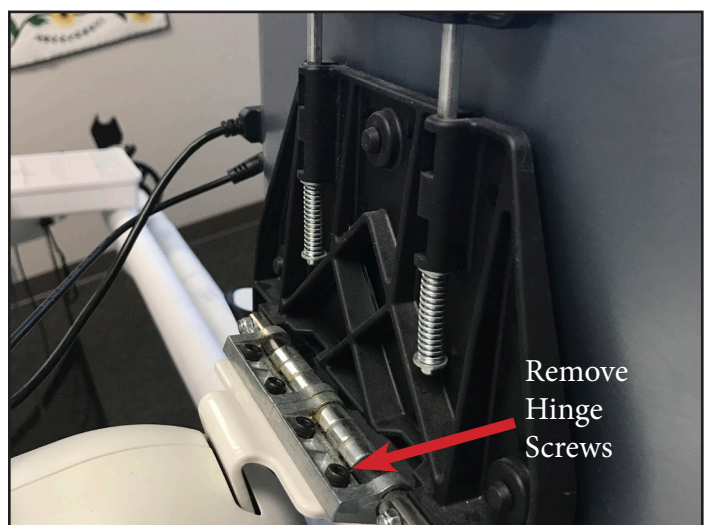


Figure 14

Parts Lists

HQ Pro-Stitcher Tablet Upgrade for:
HP Omni, W700, Switch 11, Alpha 12, Switch
3 tablets

With Pro-Stitcher Designer

QM03803-AM (w/PSD) for Amara

Included Parts

- (1) **QM20887-16** HQ Pro-Stitcher Touch-Screen Tablet for Amara
- (1) **QM12350** PS-Amara/Forte Tablet Bracket
- (1) **QM20830** *Pro-Stitcher Designer* Software
- (1) **QM20811-9** Cable PS USB REVA
- (1) **QM20812-8** Cable PS Power 12v to PC
- (1) **QM20865** PS USB Flash Drive HQ
- (1) **QM30014** Pro Stitcher Quick Reference Guide
- (1) Instructions (these instructions)

Without Pro-Stitcher Designer

QM03802-AM (w/o PSD) for Amara

Installation Instructions

QM03803 and QM03802

for Amara and Forte

1. Remove the USB and power cables from the tablet. (*Figure 15*)
2. Remove the USB and power cables from the top of the black box located on the back of the tablet bracket.
3. Remove the two cables from the bottom of the black box that come from the top of the machine face cover.
4. Lift up on the top bracket and slide the tablet out of the bracket. (*Figure 15*)
5. Remove the four screws from the mounting bracket hinge with a 3mm hex tool. (*Figure 16*)
6. Place the tablet, mounting bracket, and cables aside. The hinge screws will be reused.
7. Reverse the process with the new tablet, mounting bracket, and cables to install the updated tablet assembly.

HQ Pro-Stitcher Tablet Upgrade for:
HP Omni, W700, Switch 11, Alpha 12,
Switch 3 tablets

With Pro-Stitcher Designer

QM03803-FO (w/PSD) for Forte

Included Parts

- (1) **QM20887-16** HQ Pro-Stitcher Touch-Screen Tablet for Forte
- (1) **QM12350** PS-Amara/Forte Tablet Bracket
- (1) **QM20830** *Pro-Stitcher Designer* Software
- (1) **QM20811-9** Cable PS USB REVA
- (1) **QM20812-8** Cable PS Power 12v to PC
- (1) **QM20865** PS USB Flash Drive HQ
- (1) **QM30014** Pro Stitcher Quick Reference Guide
- (1) Instructions (these instructions)

Without Pro-Stitcher Designer

QM03802-FO (w/o PSD) for Forte

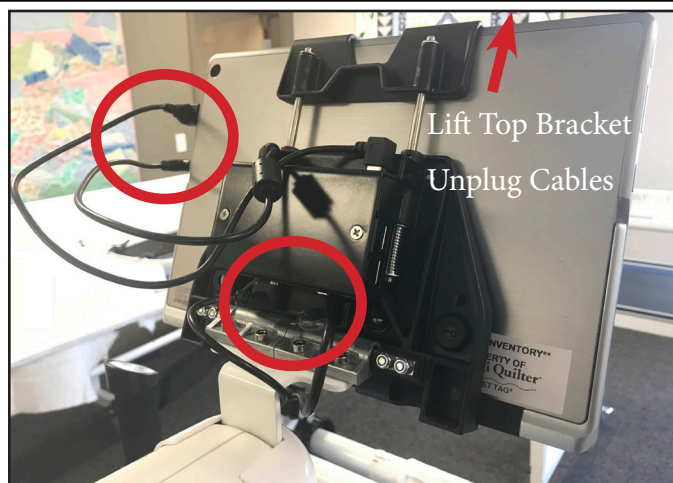


Figure 15

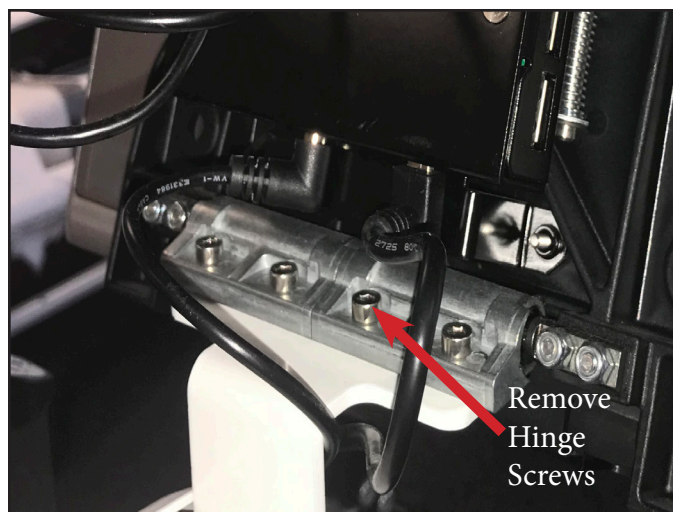


Figure 16

Parts Lists

HQ Pro-Stitcher Tablet Upgrade for:

IEI, EEEPC, W500, HP Omni, W700, Switch 11, Alpha 12, Switch 3 tablets

With Pro-Stitcher Designer

QM03805-H (w/PSD) for HQ16

QM03805-A (w/PSD) for Avante

Included Parts

- (1) **QM20887-16** HQ Pro-Stitcher Touch-Screen Tablet
- (1) **QM11087** HQ Pro-Stitcher Tablet Mounting Bracket Assembly (w/base)
- (1) **QM20830** *Pro-Stitcher Designer* Software
- (1) **QM20811-9** Cable PS USB REVA
- (1) **QM20812-8** Cable PS Power 12v to PC
- (1) **QM20820** Board PS SER SR Adaptor
- (1) **QM24860** Avante PS Wire Harness Old (QM20851 Cable PS Serial - Motor, QM24850 Cable-PS PC Serial - HQ 18/24, QM10066 Tubing-Corrugated PS, 68" with power both ends).
- (1) **QM11881** Clamp-Cable Flat
- (4) **QM11882** Holder-Cable Press-in
- (2) wire tie mounts
- (4) 6" wire ties
- (1) **QM20865** PS USB Flash Drive HQ
- (1) **QM30014** Pro Stitcher Quick Reference Guide
- (1) Instructions (these instructions)

HQ Pro-Stitcher Tablet Upgrade for:

IEI, EEEPC, W500, HP Omni, W700, Switch 11, Alpha 12, Switch 3 tablets

With Pro-Stitcher Designer

QM03805-F (w/PSD) for Fusion

Included Parts

- (1) **QM20887-16** HQ Pro-Stitcher Touch-Screen Tablet
- (1) **QM11087** HQ Pro-Stitcher Tablet Mounting Bracket Assembly (w/base)
- (1) **QM20830** *Pro-Stitcher Designer* Software
- (1) **QM20811-9** Cable PS USB REVA
- (1) **QM20812-8** Cable PS Power 12v to PC
- (1) **QM20820** Board PS SER SR Adaptor
- (1) **QM24852** PS Cable Assembly (QM24851 Cable-PS Serial Motor 24, QM24850 Cable-PS PC Serial 18/24, QM10066 Tubing-Corrugated PS, 88" with power both ends).
- (1) **QM11881** Clamp-Cable Flat
- (4) **QM11882** Holder-Cable Press-in
- (2) wire tie mounts
- (4) 6" wire ties
- (1) **QM20865** PS USB Flash Drive HQ
- (1) **QM30014** Pro Stitcher Quick Reference Guide
- (1) Instructions (these instructions)

Without Pro-Stitcher Designer

QM03806-H (w/o PSD) for HQ16

QM03806-A (w/o PSD) for Avante

Without Pro-Stitcher Designer

QM03806-F (w/o PSD) for Fusion

Note: The kits have the same hardware, but the tablets are imaged for the specific machine: -H for HQ16, and -A for Avante.

QM03803 with Pro-Stitcher Designer

QM03802 without Pro-Stitcher Designer

Note: The tablet is imaged for the specific machine: -F for Fusion.

QM03803 with Pro-Stitcher Designer

QM03802 without Pro-Stitcher Designer

Installation Instructions for Innovatek and Lilliput Monitors (Computer Mounted under Carriage)

QM03805 or QM03806

1. Disconnect the long VGA cable from the back of the Pro-Stitcher bracket (*Figure 17*).
2. Remove the handlebar mounting bolts from the handlebar (HQ Sixteen with tilt-screen owners will have a small bracket with one mounting bolt after the handlebar is removed that will need to be removed) and carefully remove the bracket and monitor from the quilting machine (*Figure 18*).

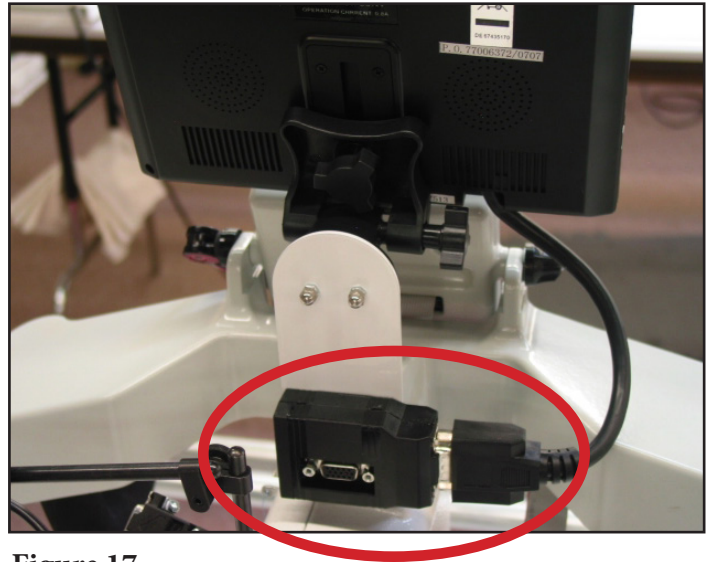


Figure 17



Figure 18

3. Attach the new tablet bracket to the quilting machine using the handlebar bolts in the same way the previous bracket was mounted.
4. With the frame poles removed, disconnect the stitch regulator cable from the back of the C-Pod and the machine encoder and carefully lift the quilting machine off the carriage (*Figures 19 and Figure 20*).
5. Turn the carriage over and disconnect the VGA cable, the gray 9-pin serial cable, the stitch-regulator ribbon cable and the power cord from the black box (you should no longer have any cables attached to the black box) (*Figure 21*).



Figure 19



Figure 20

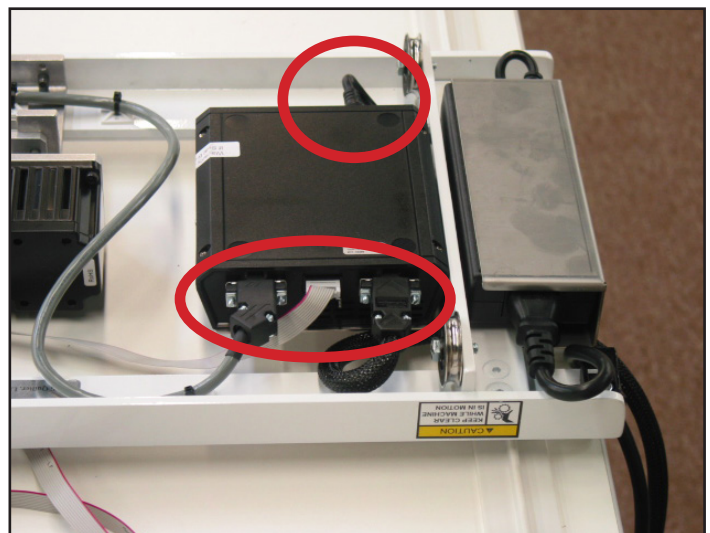


Figure 21

6. Disconnect the other end of the gray serial cable from the X-axis motor (there should still be a short black cable connecting the two motors together) (*Figure 22*).
7. Clip any plastic cable ties that are holding the gray serial cable to the carriage and completely remove the gray cable from the carriage (*Figure 23*).
8. Connect the new black cable harness to the X-axis motor and route the cable back toward the rear of the carriage under the Y-axis lever similar to the way the old gray serial cable had been mounted (*Figure 24*).

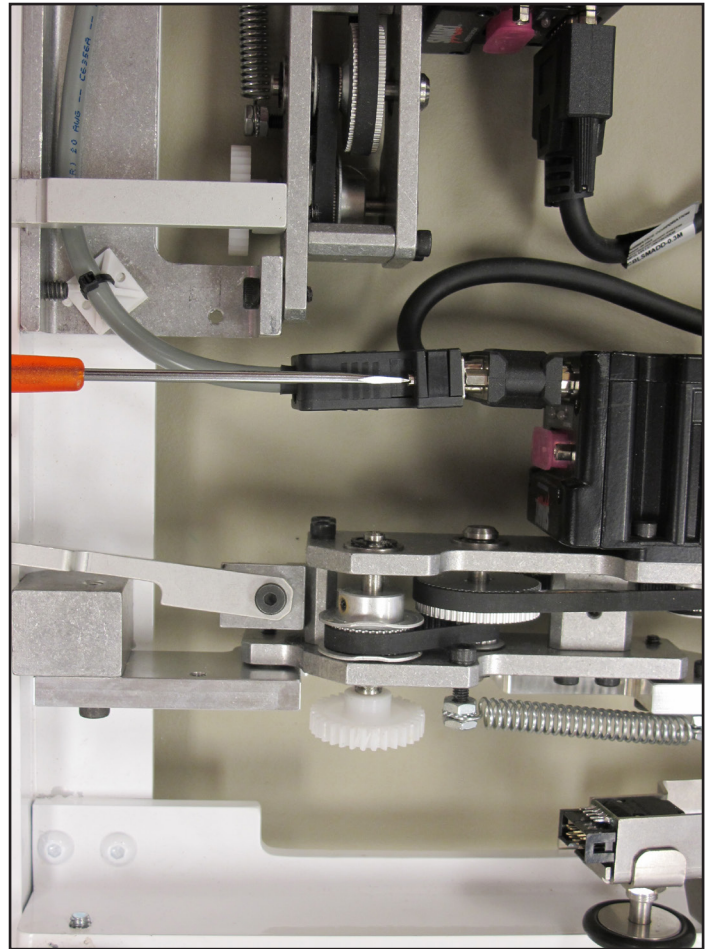


Figure 22



Figure 23

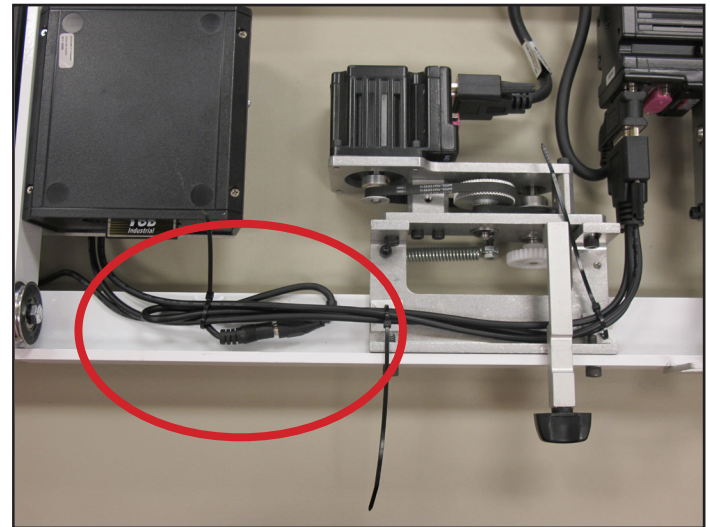


Figure 24

9. Using new cable ties (and mounting pads if necessary), attach the new cable harness to the underside of the carriage in such a manner that the X-axis motor can still freely move up and down with the lever and the cables do not interfere with any other components.

a. It may be necessary to fold the barrel connector cable over on itself prior to mounting with the cable ties as this cable may be slightly longer than needed (*Figure 25*).

10. Route the black cable harness up over the computer bracket and use the flat cable clamp to hold the two black cables (not the cable with the 3-pin connector) to the top surface of the old computer/power supply bracket (*Figure 26*).

11. Plug the new adapter board into the Y-axis encoder (*Figure 27*).

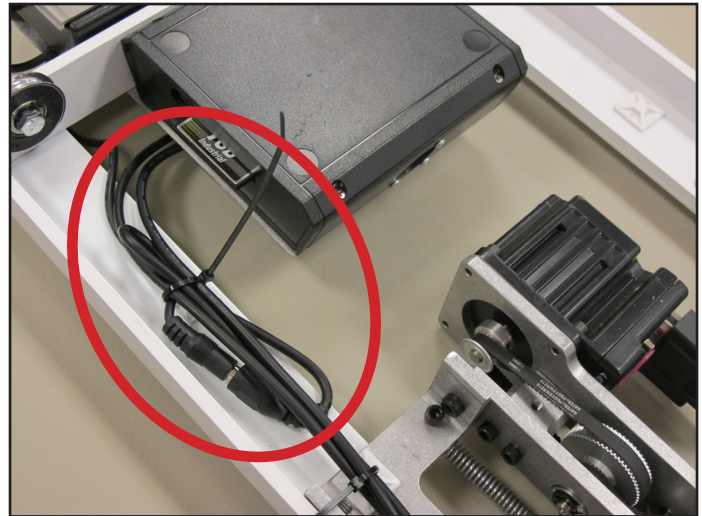


Figure 25

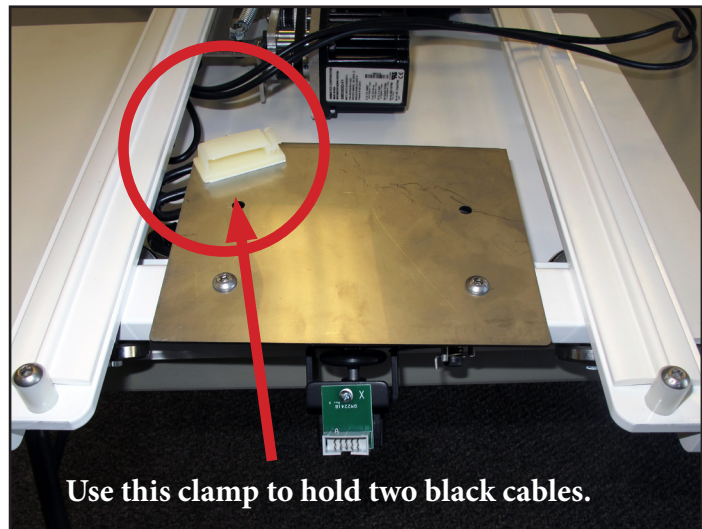


Figure 26

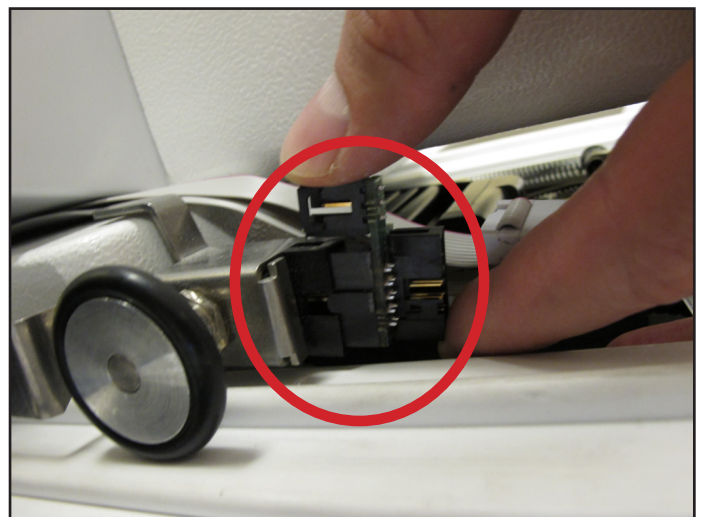


Figure 27

12. Route the 3-pin black cable under the P-pod and plug it into the mating 3-pin connector on the new adapter board (*Figure 28*).
13. The current flat stitch regulator cable may continue to be used, but the cable will be too long and have one extra connector. With the stitch regulator cable plugged into the carriage encoder, leave the last connector disconnected and plug the 10-pin connector closest to the 9-pin D-connector into the machine encoder adapter board (*Figure 29*). Use a cable tie to tie up the excess cable that is left after the quilting machine is fully extended toward the back.

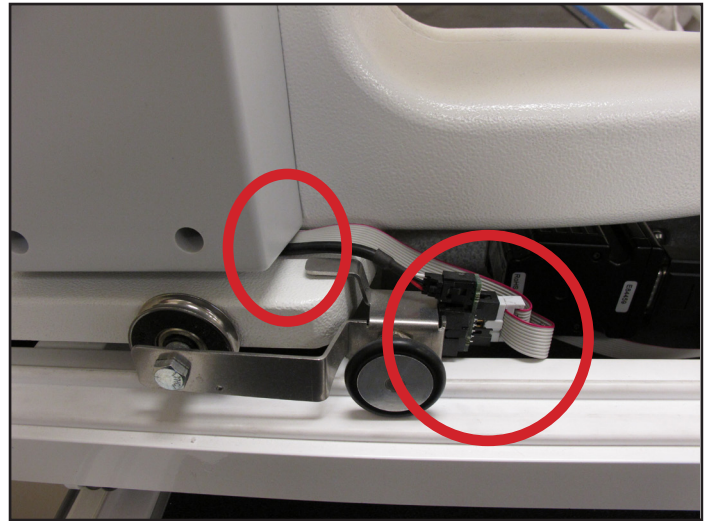


Figure 28

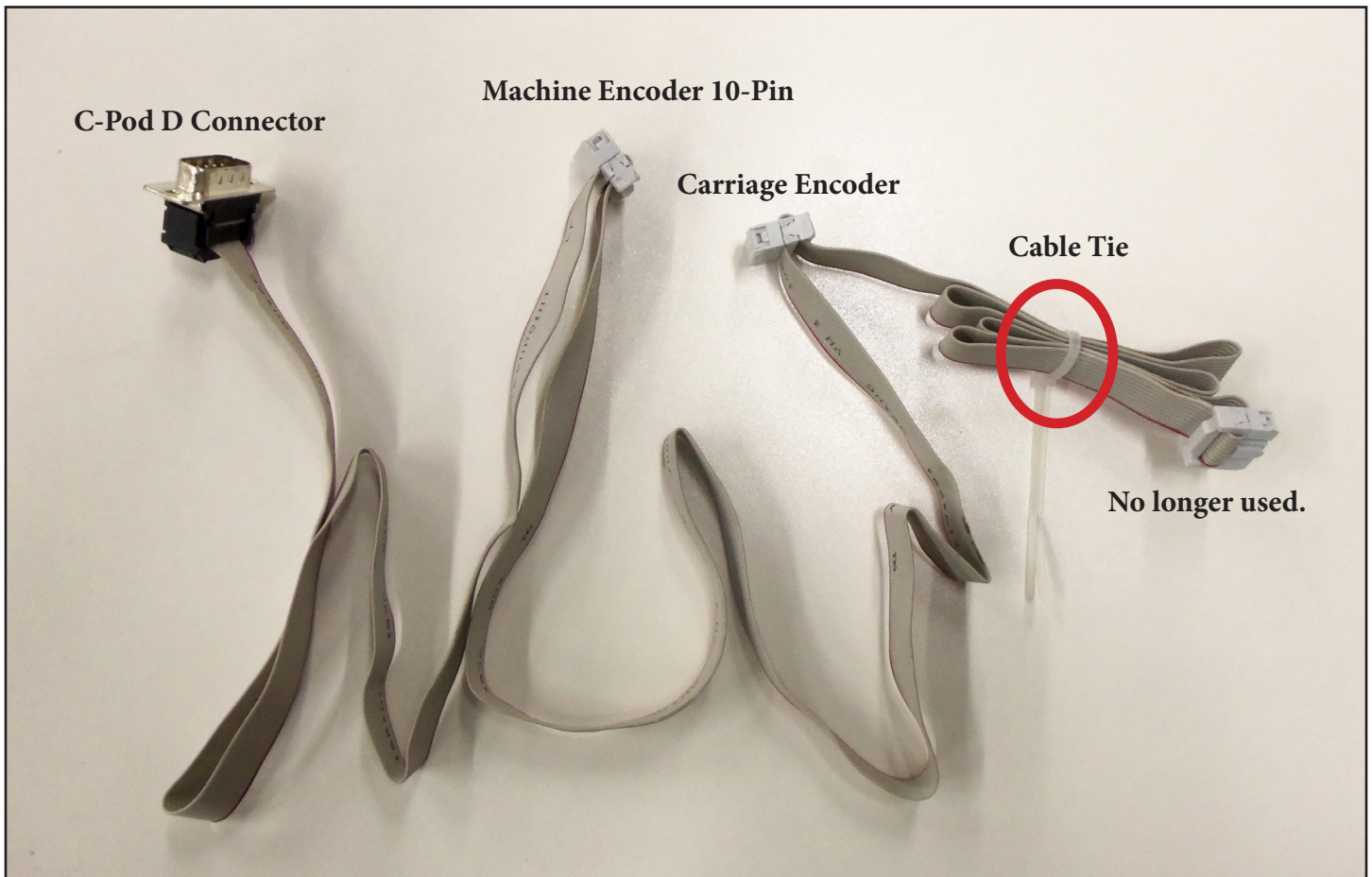


Figure 29

14. Route the new black cable harness up the back of the machine and across the top to the black box on the back of the new tablet bracket. Use the black plastic cable harness clips to hold the cable harness away from the rotating hand wheel and keep it attached to the top of the machine (Clips shown circled in *Figure 30*).
15. Attach the two 9-pin serial cables to the appropriate connectors labeled # 1 and #2 on the black box mounted on the back of the new bracket (*Figure 31, upper circled area*). See *Figures 7 a-c* on *Page 6* for details.
16. Plug the barrel connector (from the third cable wrapped together with the two serial cables) into the middle connector on the bottom of the black box (*Figure 31, lower circled area*).
17. Slide the computer sideways into the new tablet bracket until it is completely seated (*Figure 32*).

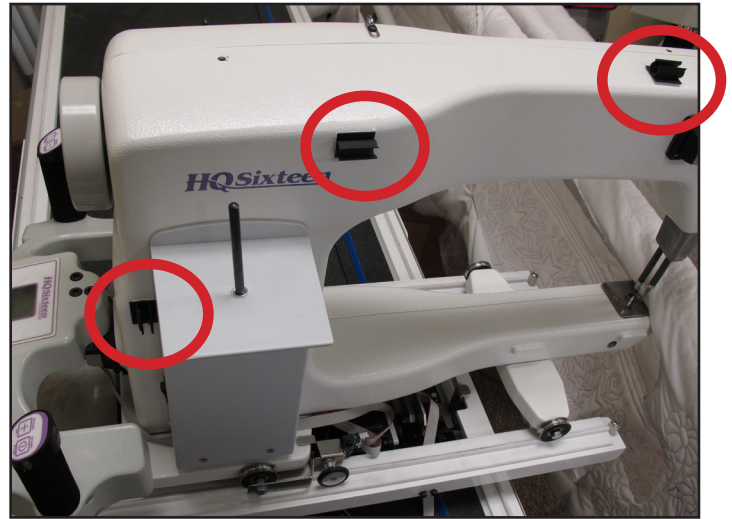


Figure 30

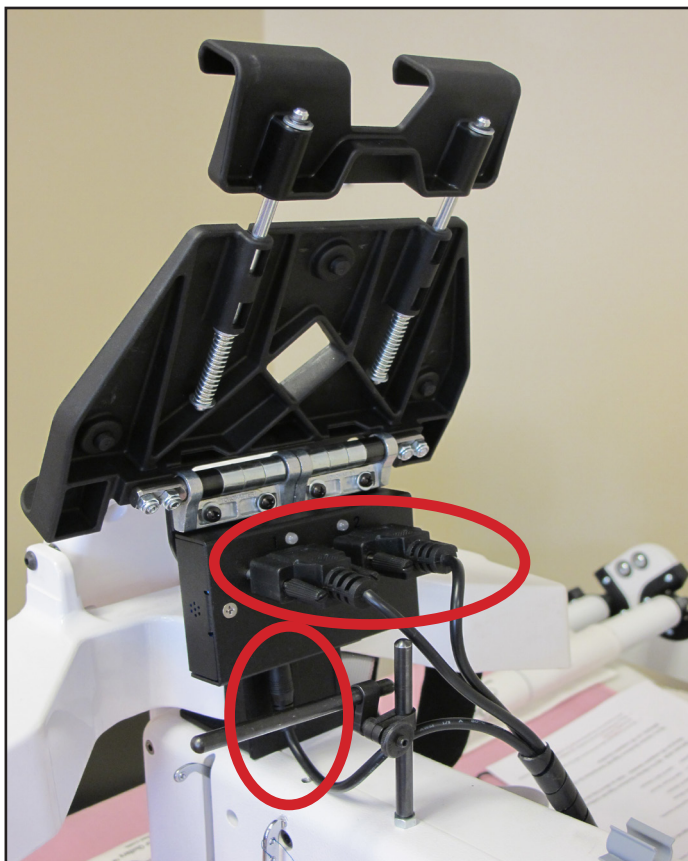


Figure 31

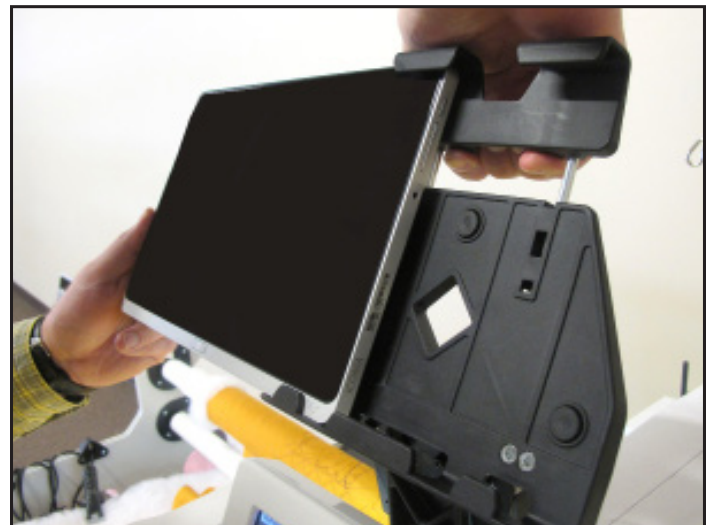


Figure 32

18. Download the latest Pro-Stitcher user manual from the prostitcher.com / [prostitcher](http://prostitcher.com). Refer to the instructions for connecting the USB and power cables.
19. Download and install the current version of Pro-Stitcher from prostitcher.com / [prostitcher](http://prostitcher.com) - software - update /