

NOTICE:

THIS UPGRADE MUST BE PERFORMED TO PROTECT AGAINST INVERTER FAILURE.

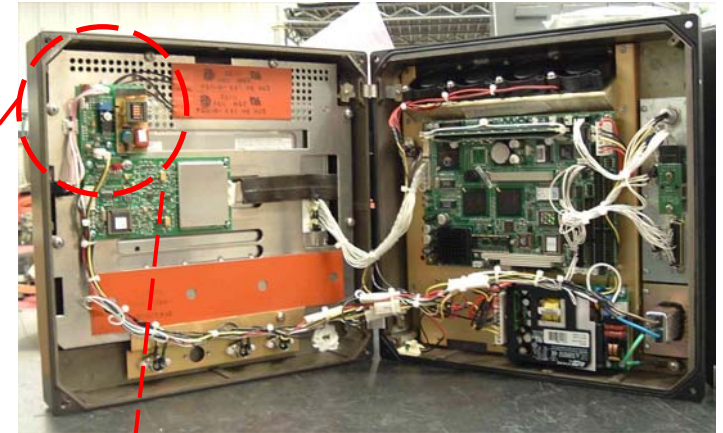
QT5000 / QT5000XT PRODUCT LINE: SERVICE BULLETIN: YCDD00000046

Figure 1.1:
QT5000XT unit closed

Remove 4 bolts in the corners.



Figure 1.2:
QT5000XT unit opened



Field update instructions for:

Inverter Rotation and Modification

1. Remove the 4 bolts securing the back enclosure to the front enclosure.
2. Open the unit and locate the inverter board. NOTE: This board is circled in figure 1.2.
3. Disconnect the backlight inverter cable and the inverter power cable (labeled in figure 1.3.). NOTE: Figure 1.3 shows a view of the previous orientation of the inverter.
4. Remove (Qty 2) 4-40 x 1/4" stainless steel screws from the locations shown in figure 1.3.
5. Lift the board and orient it as shown in figure 1.4.
6. Secure board to PEMs using screws removed in step 4. NOTE: The cables will still be disconnected at this point. The power cable will now be too short to connect and route properly.

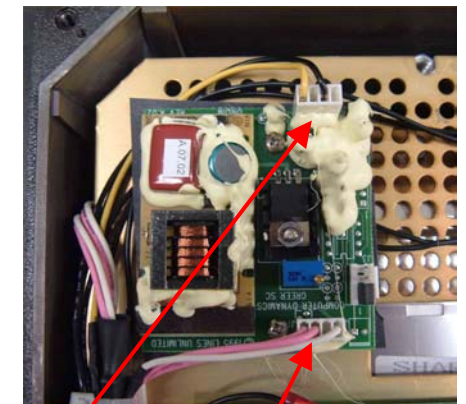
Figure 1.3:
Before rotation of inverter



Backlight inverter cable

Inverter power cable

Figure 1.4:
After rotation of inverter



Inverter power cable

Backlight inverter cable

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Field update instructions for:

Inverter Rotation and Modification

7. On the inverter power cable cut the yellow and black wires flush to the 4x1 shell. See figure 2.1. Discard this shell.
8. Strip the yellow and black wires 1/4".
9. Slide a cut piece of 3/32" heat shrink tubing onto each wire BEFORE soldering wires together. Solder cable 81A7601-0002 onto the existing inverter wire. Slide the heat shrink over the solder joint and apply heat (from a hot air blower) so that the heat shrink can form into place.
10. Connect the inverter power cable and the backlight cable as shown in figure 2.3.
11. Pull the 2x1 plastic shell off of the J5 position of the inverter. Cut pins down even to the board. See figure 2.4.
12. Route cables and add cable ties as shown in figure 2.3.
13. Close unit. Be careful not to pinch any wires as the halves join together.
14. Install the 4 bolts into the corners to reseal the unit.

Figure 2.1:
Inverter power wires being cut

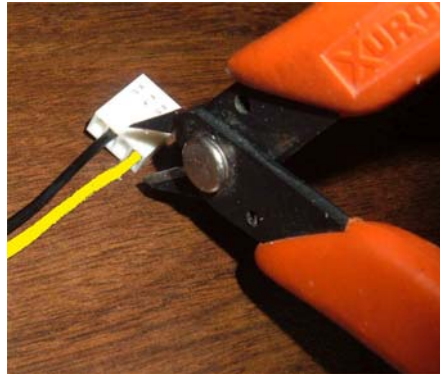
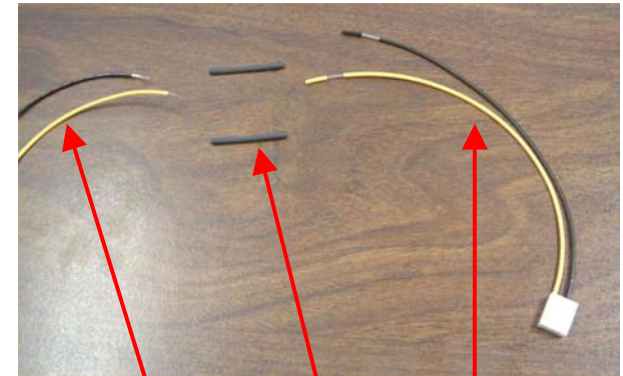


Figure 2.2:
Inverter wires about to be soldered to cable 81A7601-0002

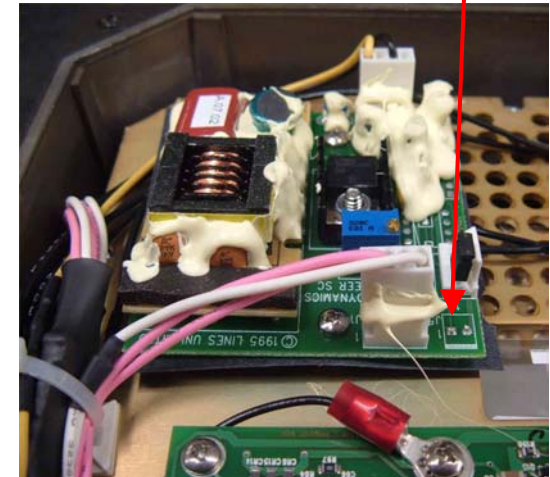


Inverter Power Wires 3/32" heat shrink New inverter extension cable 81A7601-0002

Figure 2.3:
Proper routing and cable tying of wires



Figure 2.4:
Pin cut and plastic connector removed from J5



J5