

PC450/HD450 Emergency down retrofit kit instructions

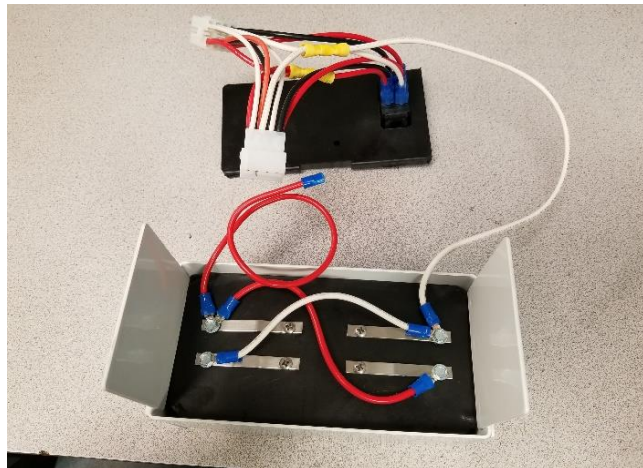
Revision: B

Date: 2/20/2019

instructions: part # 180044

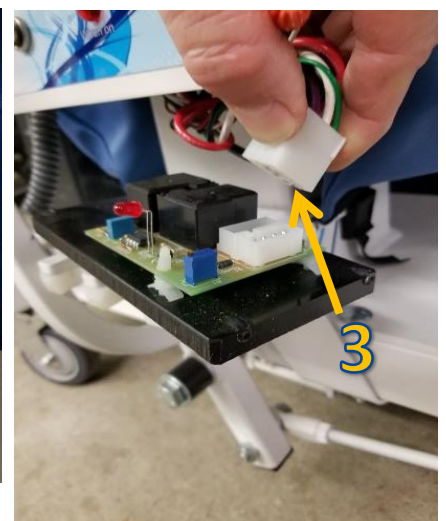
Tools you will need:

1. Philips screw driver
2. Flat screw driver
3. Pliers
4. Side cutter
5. 7/64 drill bit
6. Hand drill



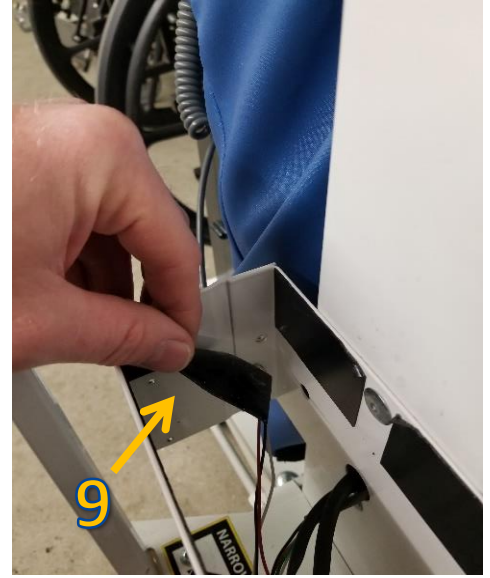
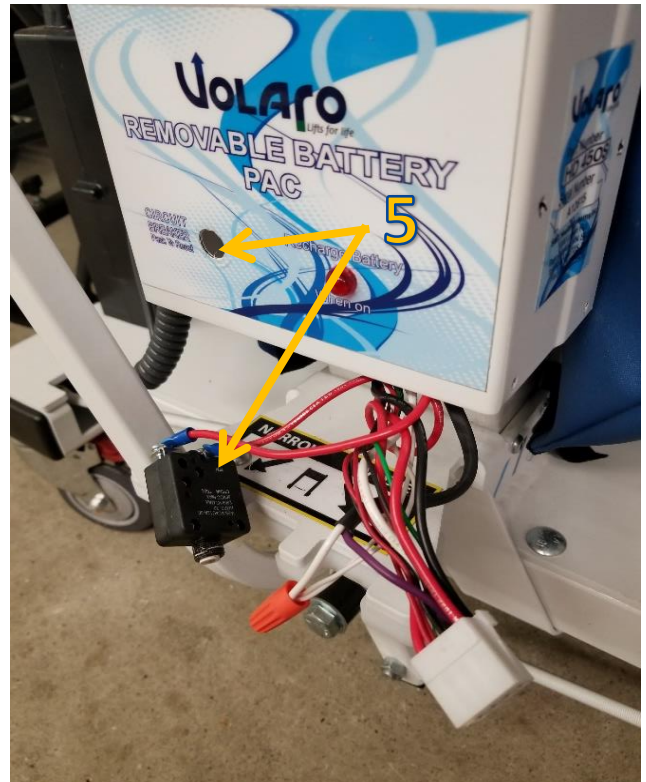
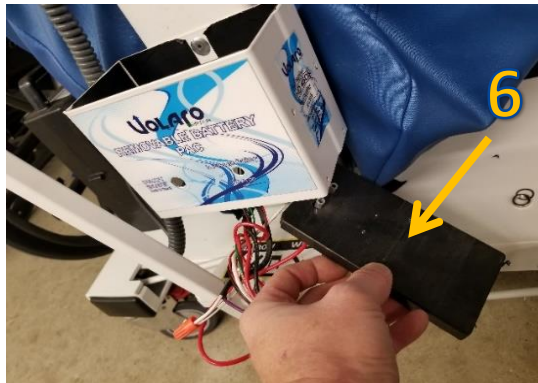
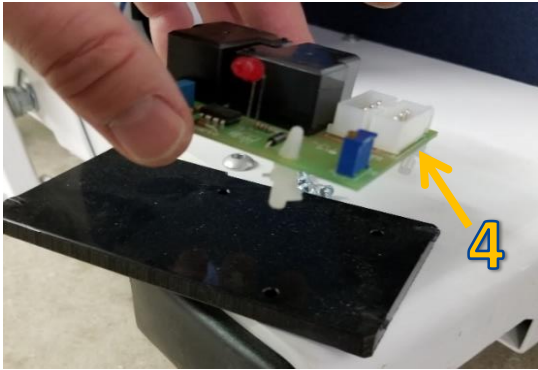
Disassembly:

1. Remove the 8 philips screws that hold the battery contact plate and the bottom plate in place.
2. Using a flat screw driver, pry down this side of the bottom plate.
3. Remove bottom plate from battery box and disconnect the connector from the circuit board.



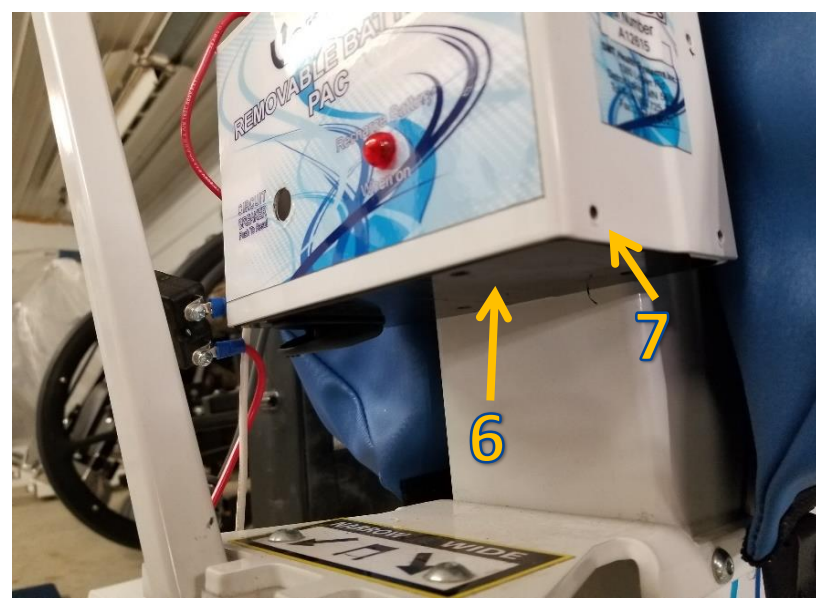
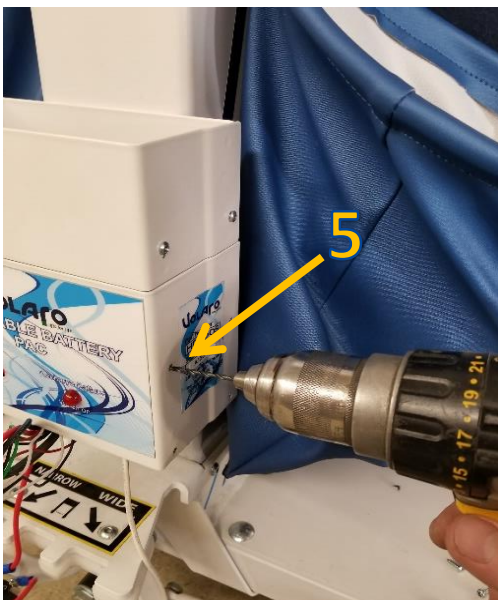
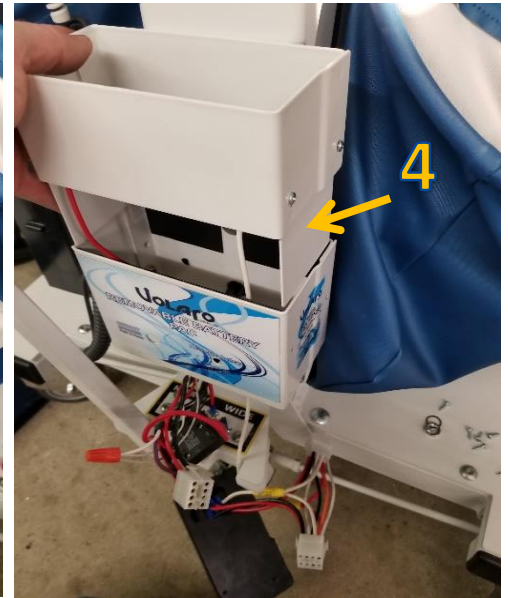
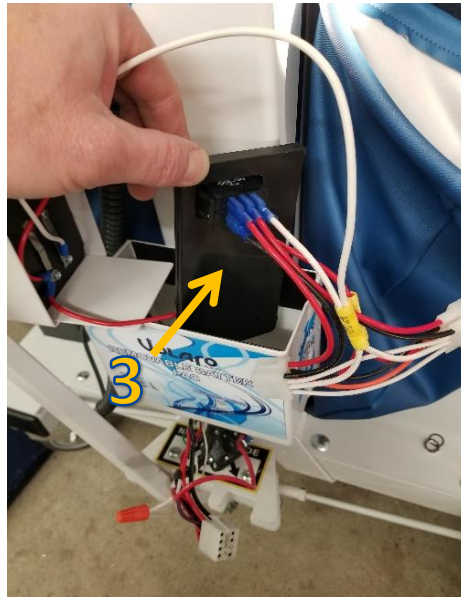
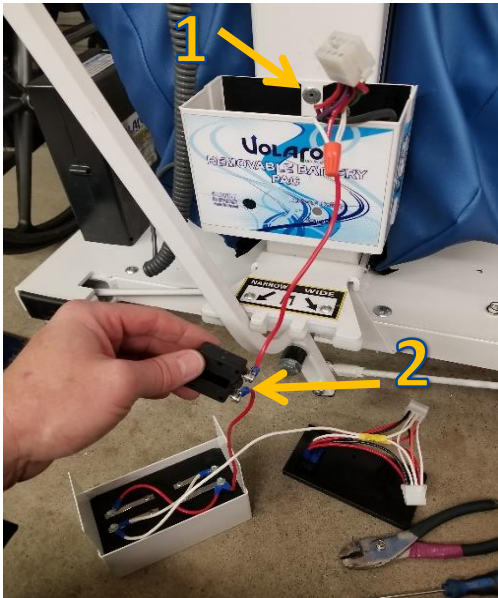
Disassembly:

4. Remove circuit board from original bottom plate.
5. Use pliers to remove the circuit breaker nut and pull the circuit breaker out the bottom.
6. Pull battery contact plate out bottom of battery box.
7. Remove battery contact plate red wire from circuit breaker screw terminal
8. Use side cutter to cut the battery contact plate white wire as close to the connector as possible.
9. Peel the black plastic from both ends of the battery box.



Assembly:

1. Route wires out the top of the battery box.
2. Connect red wire from the retrofit kit to the screw terminal on the circuit breaker.
3. Pass the bottom plate and circuit breaker through the battery box from the top and let all the wires hang out the bottom.
4. Test fit the box extension by sliding the side plates of the box extension into the top of the battery box.
5. Align the edges of the box extension with the battery box. Drill through the old contact plate holes into the box extension side plates in 4 places with the 7/64 drill bit. Drill one hole, thread a screw in the hole, then drill the next hole etc. to maintain alignment.
6. Insert the bottom plate so that it is flush with the bottom of the battery box with the switch on the left side.
7. Install the 4 philips screws that fasten the bottom plate to the box.



Assembly:

8. Remove the 4 philips screws that attach the box extension. And remove the extension.
9. Reinstall the circuit board and circuit breaker and tighten the retaining nut with the pliers.
10. Make sure that the LED is lined up with the red indicator lens.
11. Plug the original connector into the mating harness connector.
12. Plug the remaining connector into the circuit board.
13. Neatly tuck all wires and connectors into the box.
14. Reinsert the box extension and install the 4 philips screws.
15. Attach Emergency down switch decal as shown.

