PA600 Emergency down retrofit kit instructions

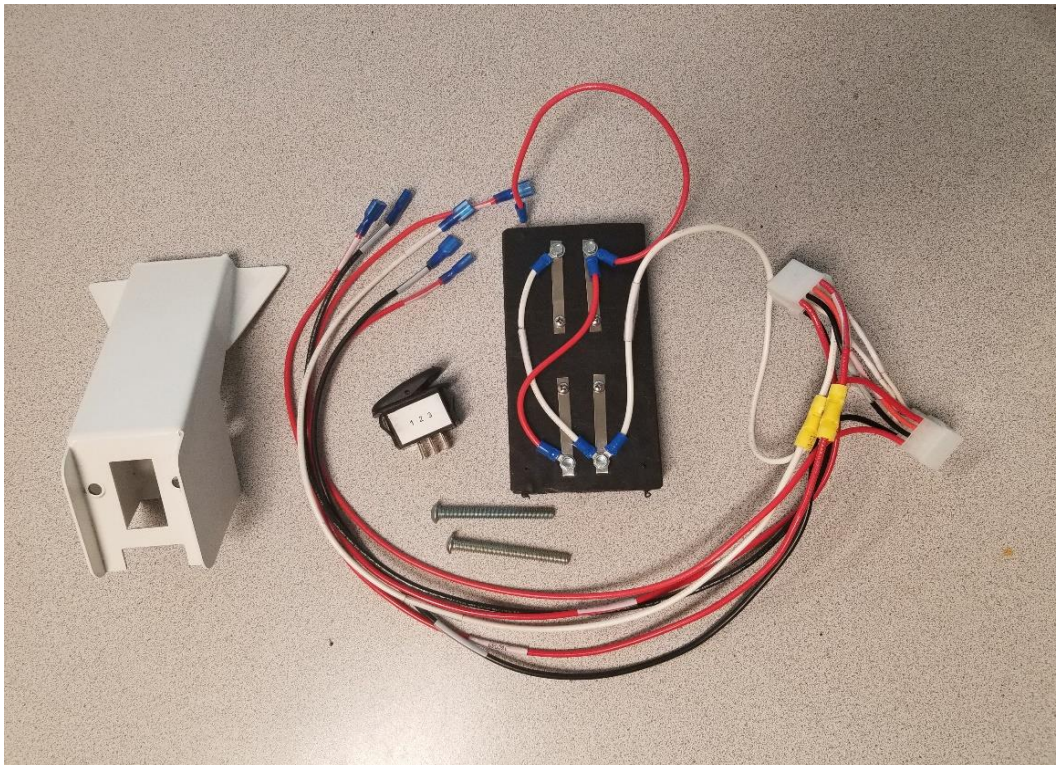
Revision: B

Date: 3/12/2019

Instructions #180059

Tools you will need:

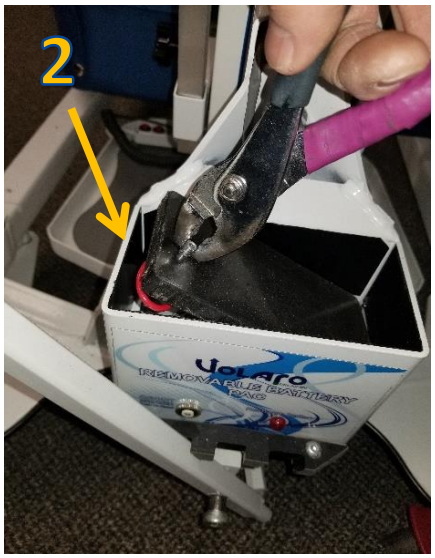
1. Philips screw driver
2. Pliers
3. Side cutter
4. 5/32 Allen wrench

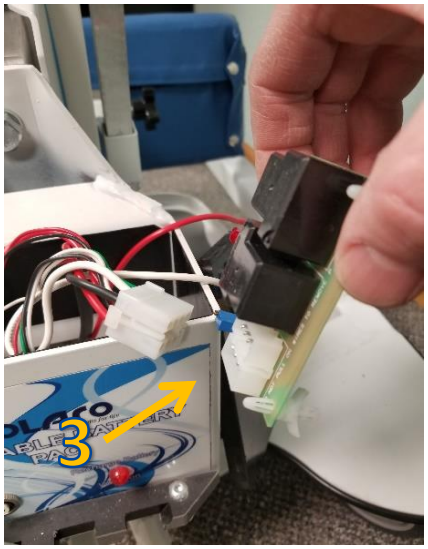


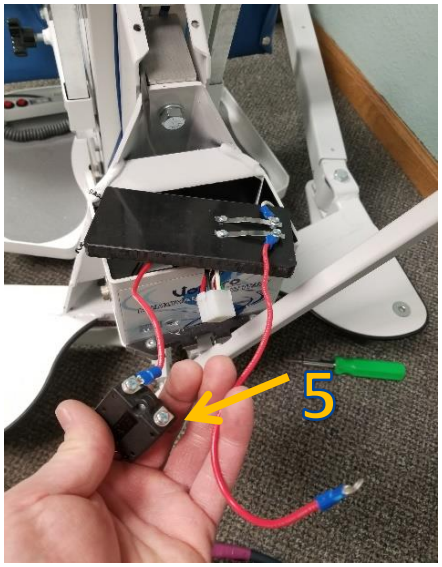
Notes:

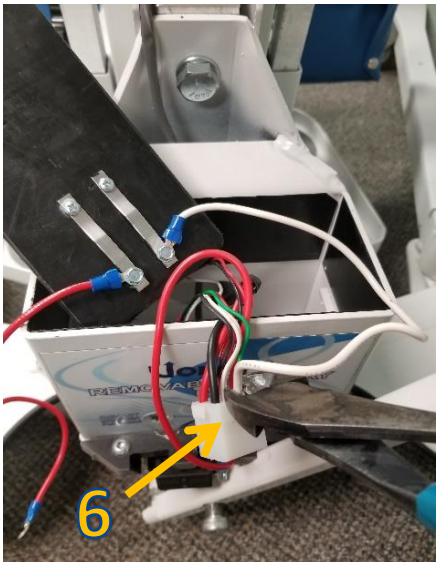
Disassembly:

1. Remove the 8 philips screws that hold the battery contact plate and the bottom plate in place.
2. Using the pliars, lift the battery terminal plate out the top of the battery box.
3. Disconnect the connector from the circuit board.
4. Use pliars to remove the circuit breaker nut.
5. Remove the circuit breaker and use a Philips screw driver to remove battery contact plate red wire from circuit breaker screw terminal
6. Use side cutter to cut the battery contact plate white wire as close to the connector as possible.



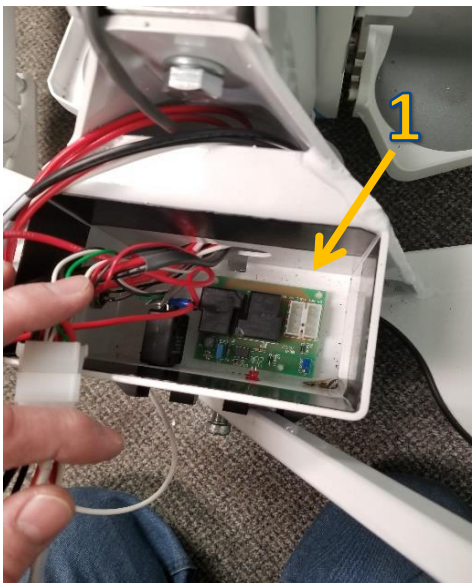


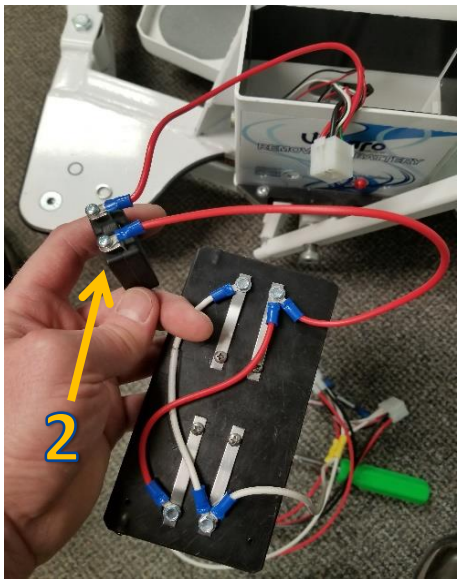


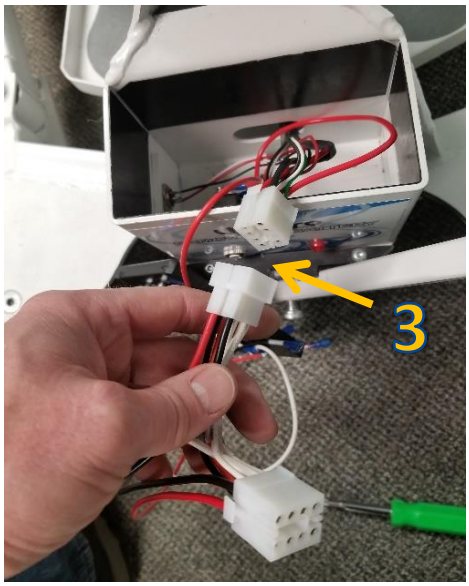


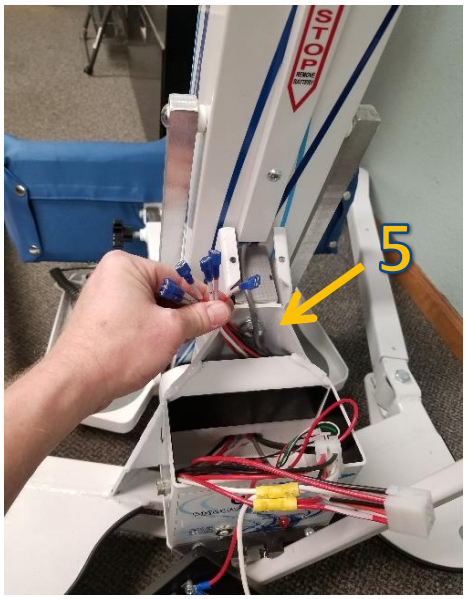
Assembly:

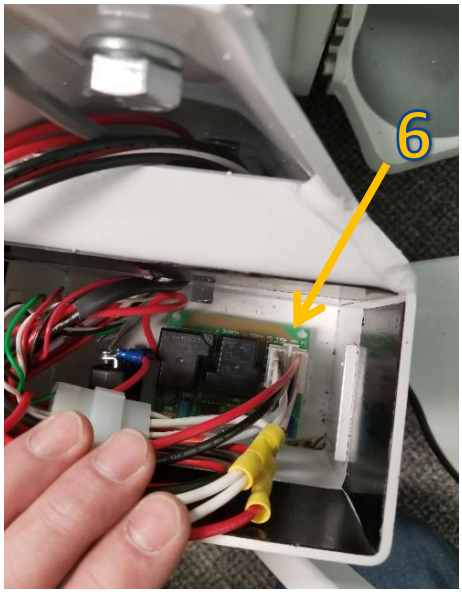
1. Reinstall the circuit board.
2. Connect the red wire from the new double contact plate to the circuit breaker.
3. Connect the original wiring harness connector to the mating connector of the retrofit harness.
4. Route the switch wires out the hole in the back of the battery box and out the bottom for now.
5. Next, pass the switch wires up behind the battery box and out the hole in the top.
6. Plug the last connector into the mating circuit board connector.





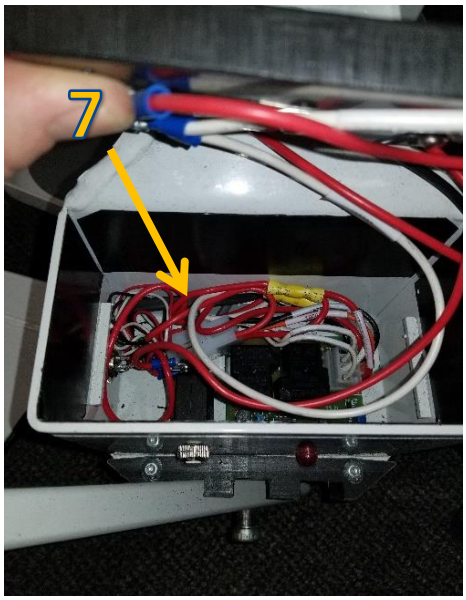


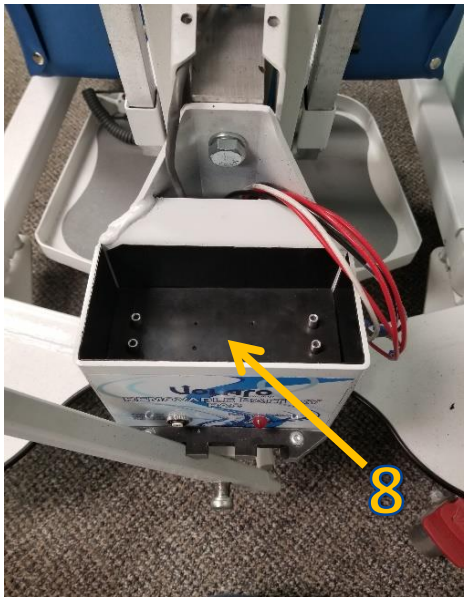


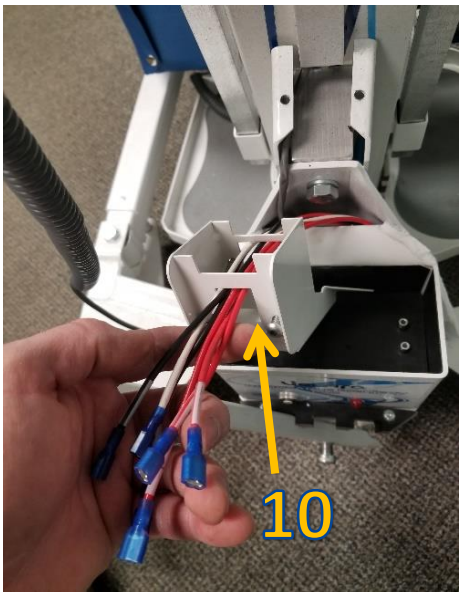


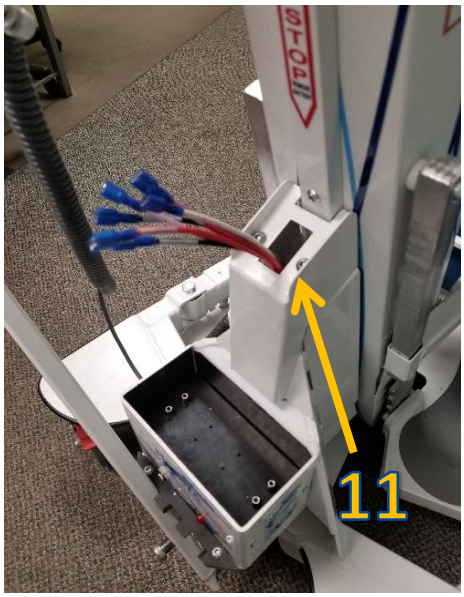
Assembly:

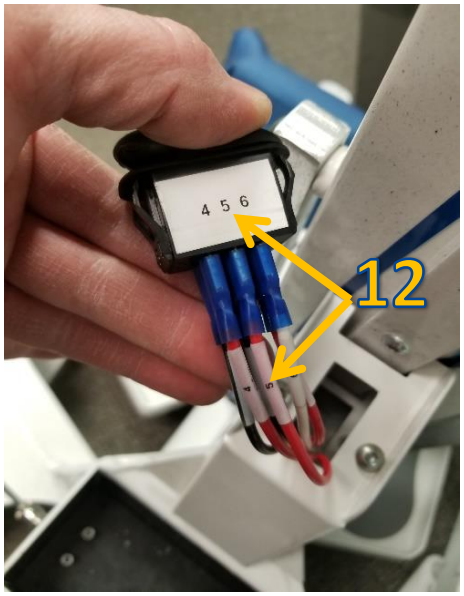
7. Tuck the wires into the bottom of the box.
   Note: The connector must be placed in this position to allow clearance for the double contact plate to be reinstalled.
8. Install the new double contact terminal plate.
9. Reinstall the 4 Philips screws into the sides of the battery box.
10. Pass the 6 switch wires up through both rectangle holes in the retrofit kit switch mount.
11. Install the switch mount using the supplied ¼-20 bolts.
12. Connect the switch wires to the switch. Match the wire numbers to the corresponding labels on the sides of the switch.











Assembly:

13. Place a charged battery on the battery holder and test all the controls including the Emergency down switch before snapping the switch into the switch mount.
14. Snap the switch into the switch mount as shown. Note orientation.
15. Replace the “Emergency stop” graphic with the supplied “Emergency down switch” graphic.
16. Add “Emergency stop” graphic to both sides of the battery.