

Husky Brute Electric Jacks (Part# 87247, 87248 and 87249) Instructions for motor control switch replacement (Switch part# 87452)

Important: Read all instructions before you start.

Step 1: Verify that your new motor control switch looks like the one shown in Figure A.

Step 2: Disconnect power from the Electric Jack.

Step 3: Remove 5 screws from the main cover (Figure B and C), then remove 4 screws from motor cover (Figure D). The cover can now be removed (Figure E).

Step 4: Remove all 3 lights from the cover by prying gently with a screw driver (Figure F).

Step 5: Remove the retaining rings from both switches. (Figure G).

Step 6: Remove the nuts and star washers from the circuit breaker (Figure H). This will allow you to remove the wires from the terminals of the circuit breaker, which will allow you to also pull the switches and the lights completely out of the cover. Note that the wire from the battery connects to the longer silver terminal and the wire from the motor control switch connects to the shorter brass terminal. Reinstall the nuts and washers on the circuit breaker after removing the wires so that no parts will be misplaced.

Step 8: Remove the shrink tube from all 4 terminals of the old motor control switch. Tape the wires that are soldered to each terminal together so they stay organized. Remove the solder from all 4 of the switch terminals (Figure I).

Step 9: Slide a 2 inch long piece of shrink tube over the heavy gauge blue wire and the black wire with a diode that is grouped with it, then solder the blue wire and the bare end of the diode to the correct terminal of the switch as shown in figure J. Slide the shrink tube down over the terminal and shrink it. **Make sure you connect to the correct terminal.**

Step 11: Slide a 2 inch long piece of shrink tube over the heavy gauge red wire and the black wire with a diode that is grouped with it, then solder the red wire and the bare end of the diode to the correct terminal of the switch as shown in figure J. Slide the shrink tube down over the terminal and shrink it. **Make sure you connect to the correct terminal.**

Step 12: Slide a 2 inch long piece of shrink tube over the black wire from the motor, the 3 smaller gauge black wires from the lights, the longest of the small gauge black wires from the brake assembly and the black wire with a diode on the end; which are all grouped together. Solder all 5 of these wires and the bare end of the diode to the correct terminal of the switch as shown in figure K. Slide the shrink tube down over the terminal and shrink it. **Make sure you connect to the correct terminal.**

Step 13: Slide a 2 inch long piece of shrink tube over the black wire that connects to the circuit breaker. This wire was not grouped with any other wires. Solder it to the correct terminal of the switch as shown in Figure L. Slide the shrink tube over the terminal and shrink it.

Step 14: Reassemble the components in the reverse order of disassembly.

Step 15: Reconnect the power to the electric jack.

Step 16: Test the operation of the jack, including the brake, several times.

