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# KLIKTRONIC ELECTRICAL FAULT FINDING FLOW CHART

*www.disabledmotorcyclerider.com*

**1. Does the control box click when the switch buttons are pressed?**

**yes, both buttons work**

**yes, but only one button works**

**yes, but the fuse blows**

**no, neither button works**

**13. Check all physical connections and tighten if necessary, check both fuses and replace if necessary. Make sure the wires to the in line fuse-holder are not under tension**

**11. Does the actuator rod move when either button is pressed**

**no**

**yes**

**12. Check the blade fuse and replace if necessary. Look for any signs of burning around the fuse blades, using pliers nip the fuse-holder tight if the fuse seems loose**

**Does the unit change gear satisfactorily**

**no**

**Check the open circuit battery voltage – is this in the range 12.5 – 13.5 volts, or with the engine running 13.5 – 14.5 Volts.**

**no**

**yes**

**Charge battery and re-test, replace if necessary and check charging system**

**14. Go to the mechanical fault finding flowchart**

**2. Unplug the switch from the control box (4 pin connection), using a multi-meter set for continuity test place one probe in the socket marked 3 and the other in 1, press the green button – if the switch is OK then you should have continuity but only when the buttons are pressed. Repeat with sockets 3 and 4 for the red button, if either switch does not give continuity or there is continuity without pushing the buttons then replace the switch assembly**

**3. If you do not have access to a multi-meter or the meter you are using does not have this facility then take a short piece of wire and bare both ends ¼". Touch one end on the pin number 3 on the control box 4 pin connection then touch the other end on pin 4 – the box should click and if the actuator is connected it should retract. Repeat on pins 3 and 4 – in this case the box should click and the actuator rod extends. If the box functions correctly then replace the switch**

**4. The small glass fuse blows**

**5. Check the switch cable for any sign of rubbing or nipping, re-route cable or repair insulation as required**

**yes**

**Does the unit still blow the glass fuse**

**6. the main power blade fuse blows**

**7. Check the actuator cable for any sign of rubbing or nipping, re-route cable or repair insulation as required**

**Does the unit still blow the main fuse**

**yes**

**no**

**8. Unplug the actuator from the control box and operate the switches**

**Go to step 11.**

**Does the unit still blow the main fuse**

**no**

**10. Actuator burnt out, return to dealer for replacement**

**yes**

**9. Suspect faulty control box, return to dealer for replacement**

Unplug the actuator at the control box, at the 3 pin connection on the box place negative probe on pin2 and positive on pin1. This should show 12 volts when green (up) button is pressed. Repeat across pins 2 and 3 for down button operation. If no voltage present then go to step 12, if fuse blown go to step 6.