



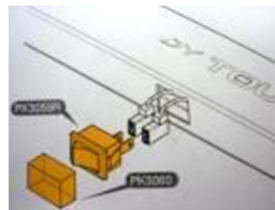
### TOUCH LINEAR POTENTIOMETER PCB PK6736

1. Reported intermittent power loss/surges, the trolley does not switch off or on, or when pushing the handle down to increase the speed there are variations or “dead” spots of power.
2. Before replacing the Touch mechanism it is always worth checking for loose wires. Make sure the leads behind the battery tray for the controller, motor, and handle wire are connected correctly.
3. To make sure the trolley functions correctly use the test handle supplied as a part of the set up kit. If yes it works using the test handle this would suggest it is either a connection, Touch handle mechanism or rocker switch fault.

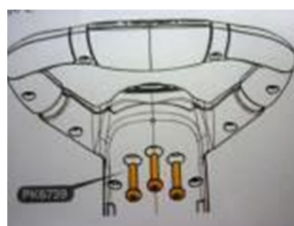
Tools required: 2mm Allen key, wire cutter, thin long nose pliers, flat headed screw driver, and Cross head (Pozi) screw driver.

#### **REMOVAL:**

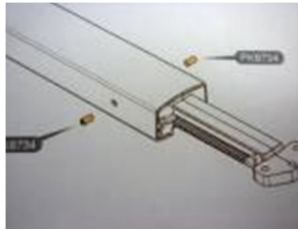
4. You will find it easier to turn the trolley over so its complete underside is facing up at you.
5. Disconnect the handle wire from the controller.
6. By using a flat headed screwdriver lever the switch cover (PK3060) off and then also using the same screwdriver remove the rocker switch casing out of the tube gently, making sure not to pull the switch to far until the two spade connection ends are pulled off. (When re-connecting the two spades they can be attached to either rocker switch male spade plate).



7. Loosen and take out the three large screws (PK6739) using the cross headed screwdriver which are located on the underside of the handle.



8. You can now pull the complete handle off of the tube, then using the 2mm Allen key loosen and take out the two grub screws (one either side and be careful not to lose either of them). **NOTE:** If you find that the grub screws are extremely difficult to release then try using some heat on the area to help “crack” the seal of the thread.



9. Remove cable ties from the motor and power cable and using one hand on the bottom of the handle wire start to feed the handle wire into the upper tube and at the same time with your other hand on the handle slider mechanism pull the mechanism clear of the metal upper tube.

10. Once the Touch mechanism is fully clear you will find a circuit board. Undo the four connection block screws. The board has letters to help you determine the correct colour wire to each block.

**REPLACEMENT:**

11. Pull apart the two plastic moulded halves; on one side you will see the linear potentiometer which requires replacing.
12. Peel off the “old” potentiometer and then make sure that the plastic moulding is free from any residue adhesive left on it.



13. The carefully pick up the replacement potentiometer/PCB assembly and peel off the adhesive backing paper and then making sure that the very end of the linear potentiometer is right up against the moulded recess then press down from that point all along to its end of adhesive strip.



14. Re-connect the handles wires in the correct sequence and on each one gently pull the wire to make sure that the wire end is secured. **NOTE:** Place your fingers either side of the PCB board so not bending the end of the PCB board which reduces the chances of “breaking” the solder joints.



15. At this stage it is worth powering the trolleys electrics fitting the switch temporarily and then using a finger to slide gently up and down the linear potentiometer to make sure the speed increases and decrease smoothly.



16. Next fix the two plastic moulding halves together and visually make sure that the glue stick adhesive does not touch the metal side.
17. You will need to pull back down the handle wire as you push the handle mechanism down inside of the tube until you can see the two switch wire spades and using the long nose pliers pull the two spades out of the tube, connect then to the rocker switch and then push the rocker switch back in to its aperture and put the cover back on.
18. Then watch for the grub screw threads being in line with the slider mechanism, fit and tighten the grub screws being careful not to strip or cross thread.
19. Re-fit the handle and three screws.
20. Replace the cable ties to the motor and power cable.
21. Make sure the grommets are fully inserted if they became dislodged.