

POWAKADDY SPORT

Handle Board Replacement PK3697



Approx fix time:
20min

Symptoms



Trolley is intermittent or the TX or RX fault code have been displayed.



In the majority of cases this will actually be a loose connection.



To prevent you doing unnecessary work plug in the test handle we have provided, if the fault demonstrates itself with your test handle the fault is unlikely to be in the handle. You can also plug in the test controller to see if the fault exists, if the fault goes when you plug in your test controller then it's likely the controller is faulty or there is a lead or connection fault under the battery tray.



If you cannot recreate the fault reported then consider speaking with the customer find out where the fault occurs for example "Bumpy Ground" is likely to be a connection issue, "Steep Hill" likely the current draw was too high and the trolley switched off to protect the electrics.



Make sure it's not something simple like bad battery connection (T Connector) or bad contact between Lithium Battery and contacts.

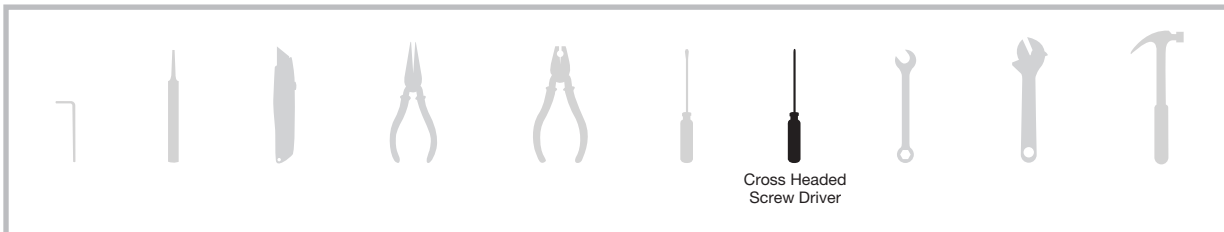


In all cases check and double check.



IMPORTANT: Disconnect the battery before starting work to avoid damaging the controller.

Tools Required



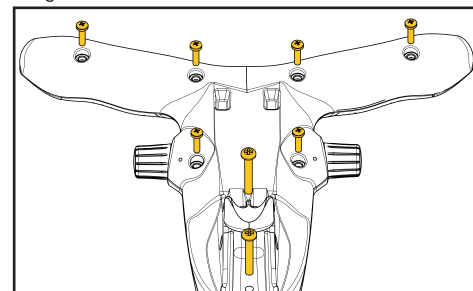
Trolley Position



Removal

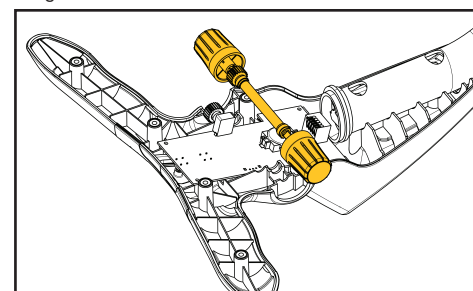
- 1 Remove all the handle screws (PK3777 & PK3464).
See image 1.

Image 1.



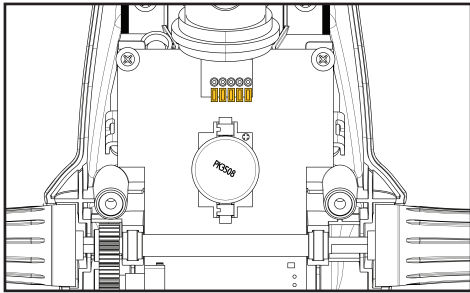
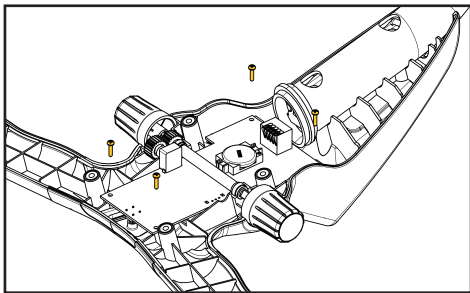
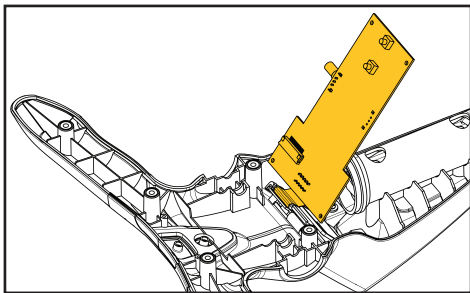
- 2 Once you have removed the handle screws you will then be able to separate the handle shell, revealing the handle board (PK3697) and roller assembly (PK3805). Lift out the roller assembly to use again.
See image 2.

Image 2.



- 3 Before replacing the screen check that the handle cable is not damaged, also check that all five wires from the handle cable are connected correctly and in the correct order it could be that a loose wire or damaged handle wire has caused the fault.

Removal

	4 Once you have checked and are confident the handle wire or connection is not the fault detach the handle wire from the handle board, the five orange retaining clips simply press down to allow the wires to be removed. See image 3. 5 Next unscrew and remove the four screws (PK3523) in the handle board (PK3697). See image 4. 6 Once the four screws are removed carefully fold the board back as it is still connected to the screen board. 7 To detach the handle board (PK3697) from the screen gently pull back the black sliding connector. See image 5. A small flat headed screwdriver or your finger nails should do it. 8 Once you have detached the screen ribbon cable you will be able to remove the handle board (PK3697).	Image 3.  Image 4.  Image 5. 
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Replacement

	1 Fit the existing screen ribbon cable into the cable block and press home the clip, making sure the ribbon cable is securely retained. 2 Fold the handle board back down and align the four screw holes, refit the handle board retaining screws you removed. 3 Once the handle board is secure fit the handle wires to the cable block in the right order and ensure each is secure by giving it a gentle pull. 4 Refit the roller assembly and then present the upper handle to the frame and tidy the handle cable (fold down the side of the handle board if there is excess). 5 Present the lower handle to the upper and re-fit the screws.	
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Checks

  	1 Once done set up the trolley and put on a battery, check that the trolley is set for the correct gearbox and battery. 2 Test the trolley to make sure it is not still faulty. 3 When repairing anything electrical on the trolley you should check all connections first as a matter of course.
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