

POWAKADDY SPORT

Controller Replacement



Approx fix time:
30min

Symptoms



Dead.



Trolley is intermittent or the TX, RX or OCP fault code have been displayed, with OCP this can happen if the current draw has been between 35A and 42A for more than 15 seconds (excessive) and normally a very heavy bag going up a steep slope with the golfer hanging onto the handle.



Also see the Fault Code List for further indicators.



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



If the customer reports the screen went out but the trolley carried on going or the trolley stopped without the on/off being pressed then it is more than likely the battery was at low voltage.



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.



Dead, connect your test handle to the test controller plug into the motor and connect a known good battery, if still dead the fault is the motor.



In all cases check and double check.

Tools Required



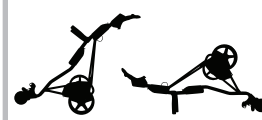
Cable
Cutters



Cross Headed
Screw Driver



Trolley Position



Upright

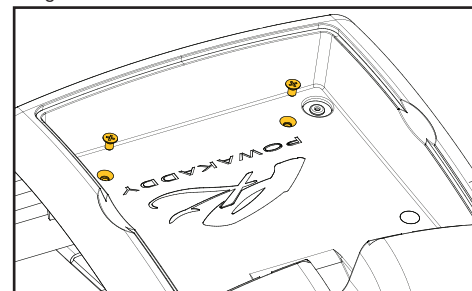
Upside Down

Removal

1

Undo the two screws in the battery tray.
See image 1.

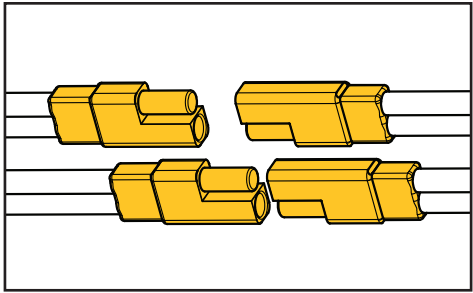
Image 1.



2

This will release the controller from the bottom of the battery tray and may make it easier to cut the cable ties.

Removal

	3 The handle wire is connected to the controller via a screw type connector disconnect it by unscrewing (if you have followed the correct testing procedure and used your test handle then this will already have been done). 4 Then disconnect the controller to motor lead (grey) and the controller to battery lead (Lead Acid) or tray lead (Lithium) this connector is Black. See image 2.	Image 2. 
	5 You will then be able to remove the faulty controller.	

Replacement

	1 When fitting the new controller it is best to put the controller in position, route the cables and cable tie first, the routing and cable tying is difficult so having the controller loose in position will make replacement easier. 2 Once this is done present the controller to the bottom of the battery tray and refit the two controller retaining 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.