



# Scorpion Power System

[www.scorpionsystem.com](http://www.scorpionsystem.com)

## Scorpion Anti Spark DIY kit

using connectors in a housing (XT series/ RC Proplus or similar)

[www.scorpionsystem.com/files/download/housingConnectorAntiSparkDIY.pdf](http://www.scorpionsystem.com/files/download/housingConnectorAntiSparkDIY.pdf)



direct QR to online manual

This Anti Spark DIY can be used on 6S- 16S Lipo battery systems

### Required parts:

1. PTC Resettable Fuse
2. plastic tube
3. heat shrink
4. male and female connector that fit to your cable size and current



PTC Resettable Fuse



plastic tube



heat shrink

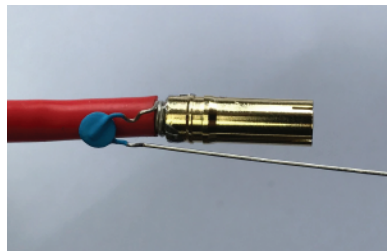


### How to install it:

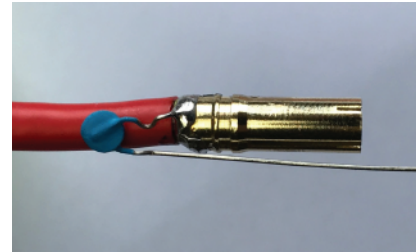
- 1) -cut the positive (+) wire that goes from housing connector to the ESC  
-solder the female connector as shown on the housing connector side



- 2) wind one leg of the PTC Resettable Fuse around the positive (+) wire as shown below



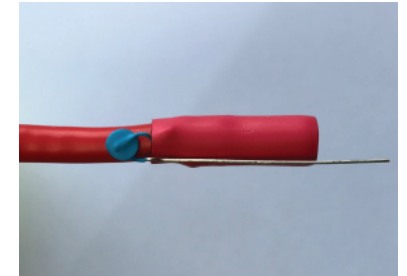
- 3) solder the leg of the PTC Resettable Fuse to the positive wire



- 5) modify the plastic tube (shorten it correctly and also cut it as shown in the picture)



- 4) apply a heat shrink over the connector to isolate the other leg from the connector



- 6) slide the plastic tube over the leg of the PTC Resettable Fuse and use CA to keep it in position



- 7) apply a heat shrink over it



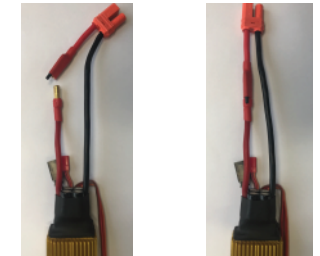
- 8) bend the leg of the PTC Resettable Fuse as shown in the picture like a "V", cut the leg if it's too long



- 9) solder the male connector to the ESC side and apply a heat shrink



- 10) Anti Spark DIY ready to use!



Now disconnect the Anti Spark wire first. After that connect the battery to the housing connector. Then connect the positive (+) cable coming from the ESC side to the PTC Resettable Fuse for a second and move straight into the positive female connector. There will be no spark during connecting your battery to the ESC.

Hope this DIY kit can help you on any spark issue during connecting a battery to an ESC.