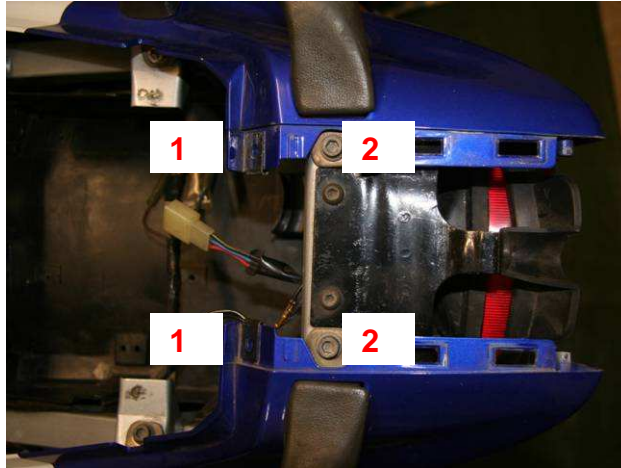


**YAMAHA YZF600R THUNDERCAT**  
**MOTOTECK INNOVATION UNDERTAIL INSTALLATION GUIDE**

- Remove the seat
- Remove the two screws (1) that hold the centre tail piece to reveal the bolts for the grab handles (2)



- Remove the grab handles
- Remove the 2 screws holding the side panels and then remove the side panels



- Remove the tail light assembly – 2 bolts on top and 1 on each side of the sub frame



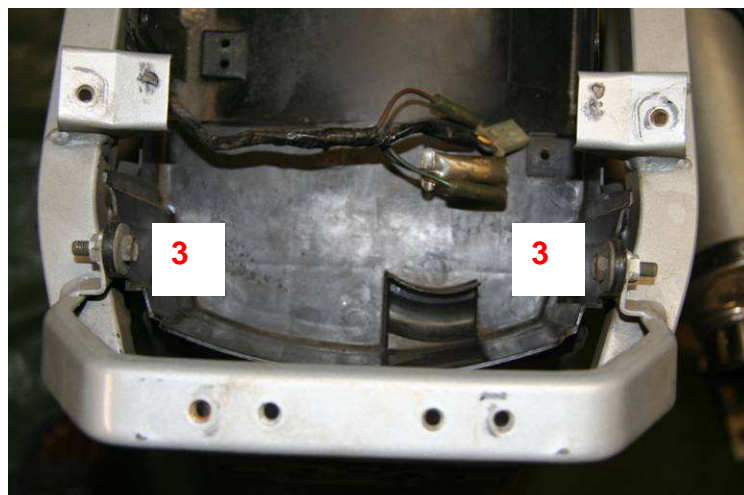
- Split the tail light assembly as you will need the metal frame during reassembling. It adds strength to the tail assembly.

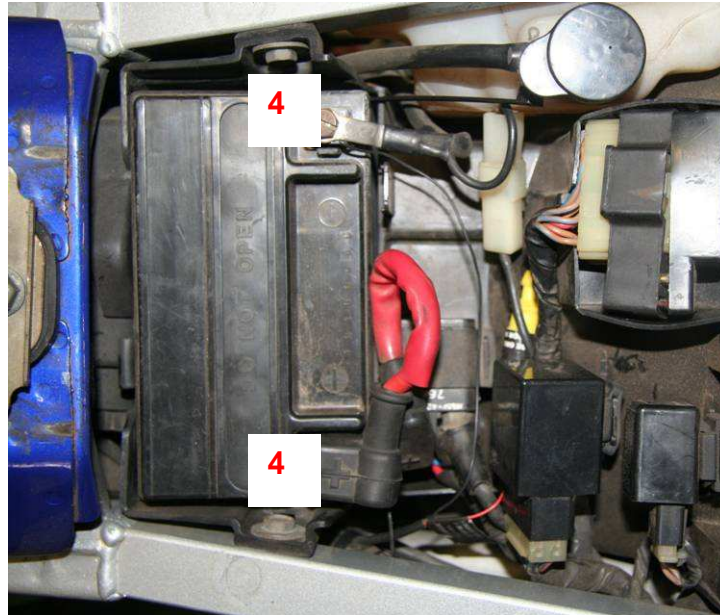


- Remove the indicators and number plate

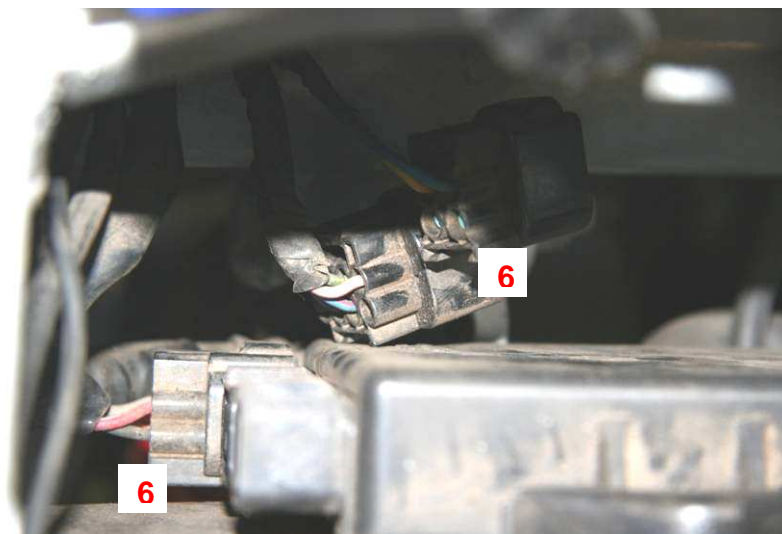


- Remove the bolts holding the plastic fender. 2 in the storage area (3), 2 at the battery holder (4) and 2 at the bottom of the sub frame (5), one on either side





- Remove the 3 plugs (6) from the “black box” located on the front of plastic fender (engine side)



- Move the fuse box and relays out of the way and remove the plastic fender



- Mark a cut line to remove the rearmost part of the fender (where the number plate was located) OR cut free hand. A dremel tool comes in handy! (please wear safety glasses as bits of hot plastic fly everywhere) The supports need to be removed as well.



- Next is the hard part – removing the “hump” (7 above) so that the undertail can fit. Part of the undertail fits into where the hump is. I suggest cutting a little at a time, fitting, checking and cutting again. (my intention was to cut off as a little as possible of the original). The fender should look like this once cut correctly (the “hole” that is made by cutting can in fact be a little smaller if you want). *Refit the modified plastic fender but do not insert the two bolts on the bottom of the sub frame (5). Refit the 3 “black box” connectors. Refit the battery and fuse holders and relays.*



- Cut off the two luggage hooks (8) on either side of the sub frame. Obviously some sort of corrosion protection will be required. (if you want to keep the luggage hooks you can cut the undertail to suit, but in my opinion this will not look too good!)



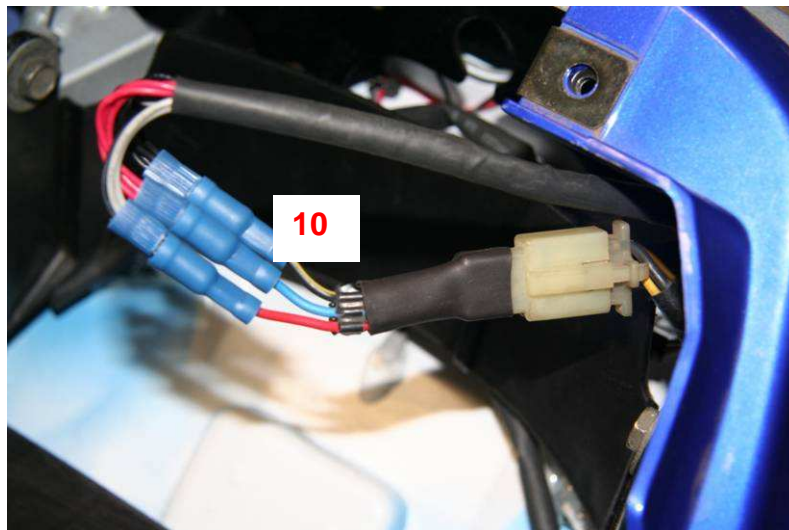
- Stick two pieces of foam (9) insertion on the undertail to protect it from the hook cut offs



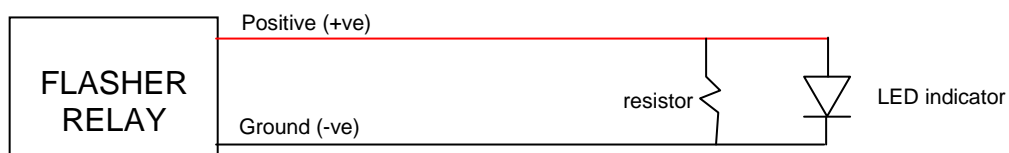
- Cut the “hooks” of the tail light metal frame. Again my approach was to cut off as little as possible so I fitted, checked and cut. *Refit the bracket once cut properly*



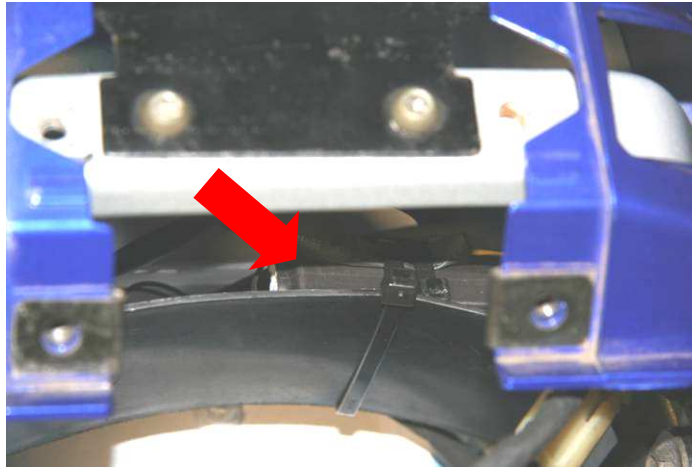
- *Refit the side panels*
- *The undertail can now be fitted into place. There are lips on the undertail that “clip” into the side panel*
- *Mark and drill holes for the bottom bolts (5). Refit the bolts*
- *I chose to keep the original wiring harness intact. Cut off the original connector from the tail light and crimp the provided female lugs (10) onto the wiring. Connect the tail/brake light wiring*



- The provided indicator resistors need to be connected in parallel to the LED indicators in order that they flash at the correct frequency



- Crimp new male lugs (provided) onto the indicator and resistor wires and connect to the existing connectors
- The resistors and wiring can be cable tied onto the back of the fender where the old tail used to be



- This is what it looks like before the final tail piece cover is put on



- *Refit the grab handles and the last tail piece cover*
- What the storage area looks like



- Check that the tail lights, brake lights and indicators all work correctly

- Drill holes and fit the provided number plate bracket. (cut the bolts if they are too long and protrude too much into the storage area)



- I also modified the tail light/brake light combination. The undertail comes wired such that all three tail lights work together. I disconnected the top tail light wire so that it acts only as a brake light (it's more effective in my opinion). The other two act as tail and brake lights.



Tail lights and left indicator



Brake lights and left indicator





