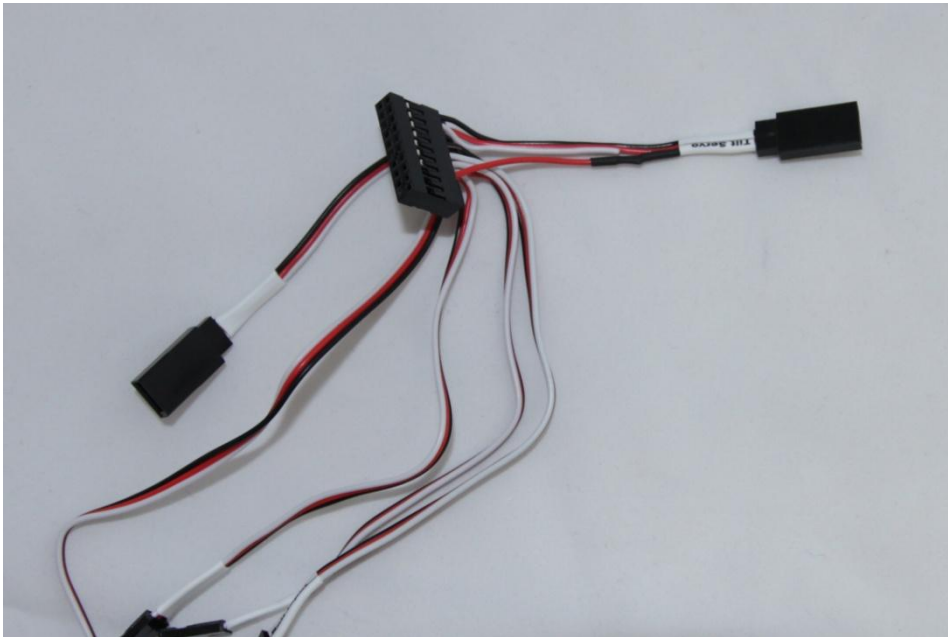









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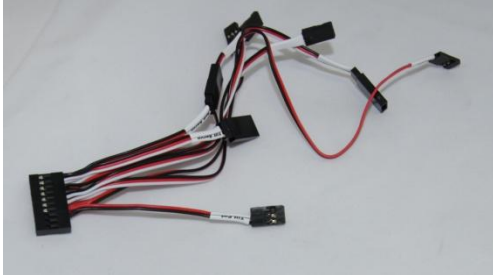
Skyline Harness Modification

This document provides instructions for modifying the skyline cable to work with Firmware 1.2.0 and newer.

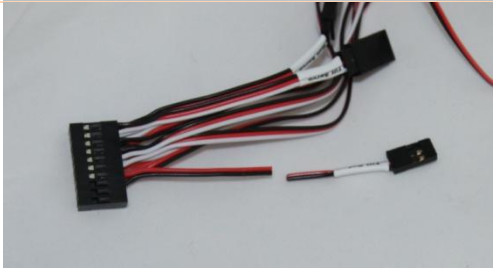
You will need:

	<p>Un modified skyline harness.</p> <p>If there are only six leads and no leads labelled “Tilt Pot” or “Roll Pot” then your harness doesn’t need modification</p>
	<p>Heat shrink</p> <p>One small length of 3mm heat shrink</p>
	<p>Side Cutters</p>
	<p>Soldering Iron</p>
	<p>Small flat head screw driver</p>

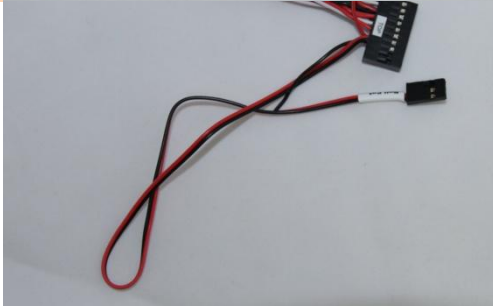
Instructions



1. Remove the skyline harness from your gimbal.



2. Find the lead labelled "Tilt Pot" and cut off the connector at the location shown.



3. Separate the black wire from the red signal wire.



4. Remove the lead labelled "Roll pot" and the black "Tilt Pot" wire.

Use a small flat head screw driver to lift the black tabs on the 20 pin connector and the pins will slide out easily.

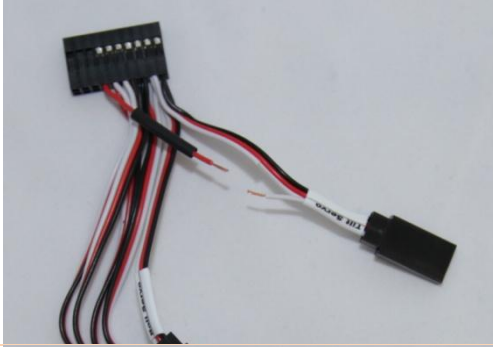


5. Cut the white wire on the lead labelled "Tilt Servo". Take care not to cut the red wire.

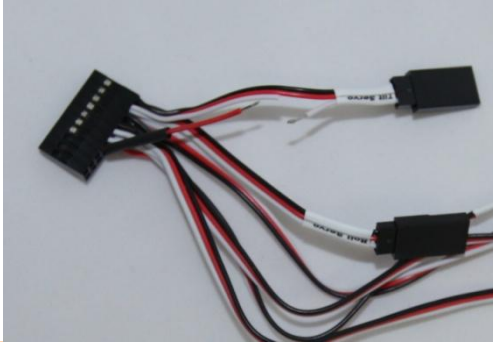
Separate a small section of the white wire on the servo connector end.



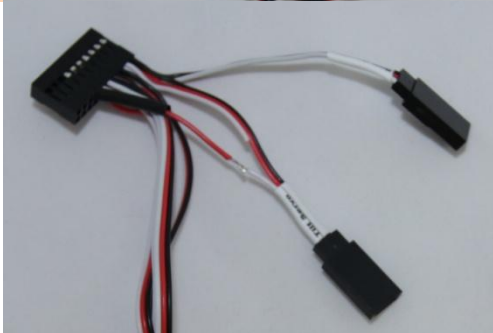
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6. Place a 20mm length of heat shrink on the free red wire and strip an 8mm length of insulator from the wires indicated.



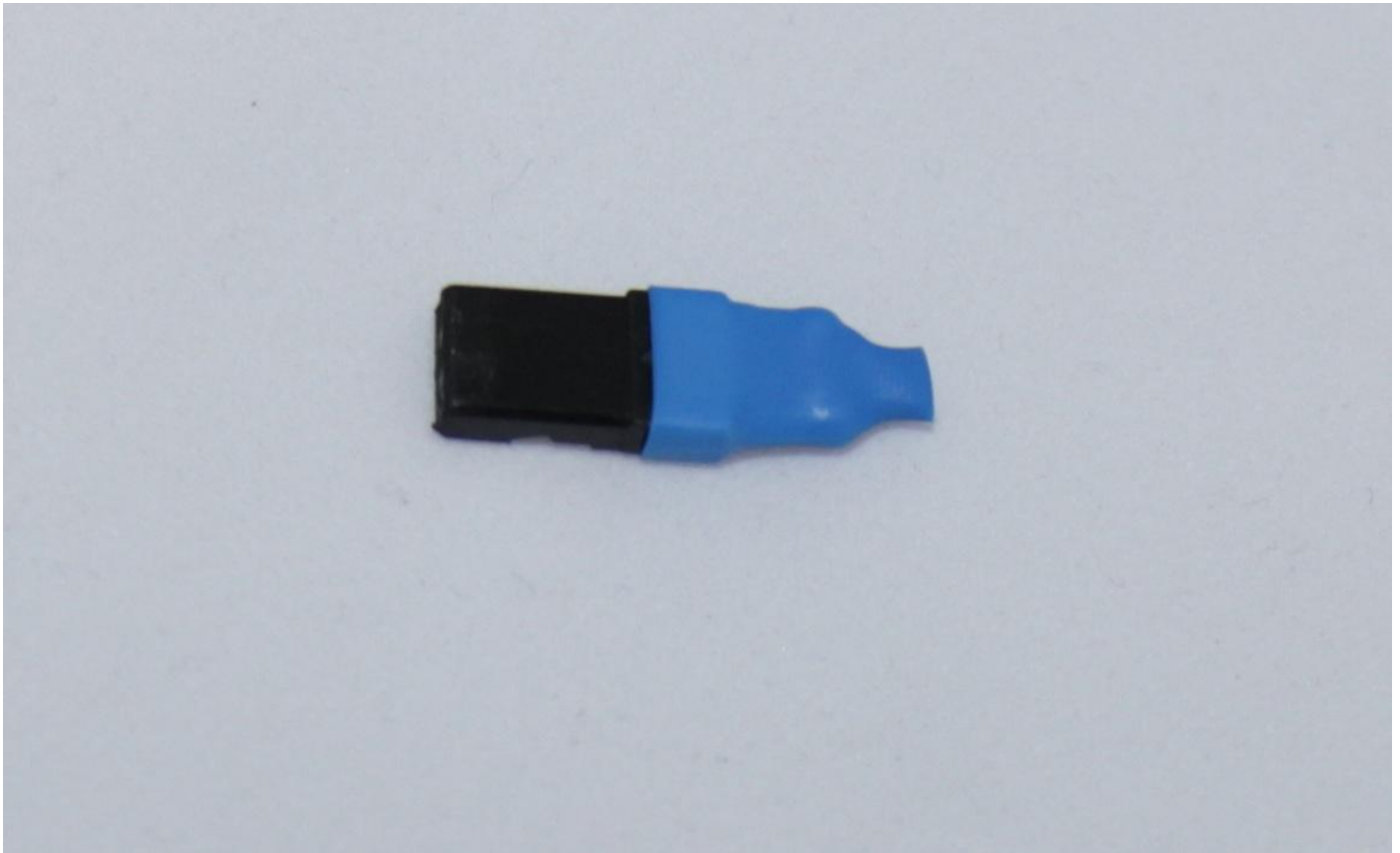
7 Use a soldering iron to tin the ends of the wires you just stripped with solder.



8. Solder the two ends together.



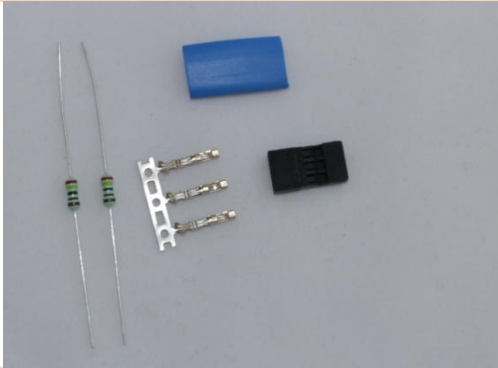
9. Move the heat shrink over the join and shrink it with a heat gun, lighter or match.



Skyline Potentiometer Modification

These instructions are for creating “dummy pots” that are needed when using Skyline Firmware 1.2.0 and above. You will need two dummy pots, one for the tilt servo and one for the roll servo. The pan servo comes already modified. Photo Higher will provide these dummy pots free of charge to anyone who has already purchased a Photo Higher Skyline.

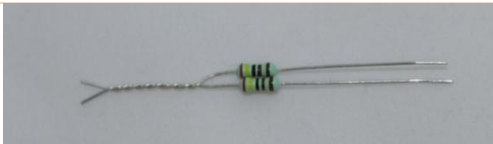
You will need

	<p>2 x 2.4K resistors JR male servo connector with pins 20mm of 6mm heat shrink.</p>
	<p>Double sided tape</p>
	<p>Side cutters</p>
	<p>Pliers</p>



Heat gun

Instructions



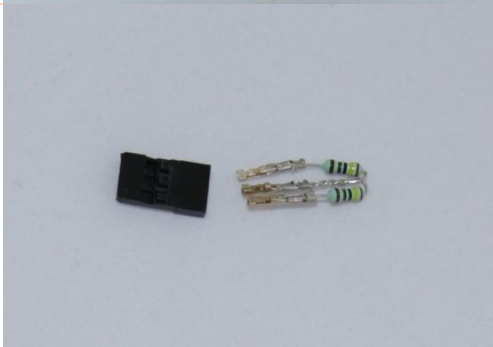
Twist one end from each resistor together.






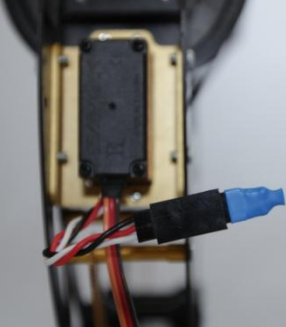
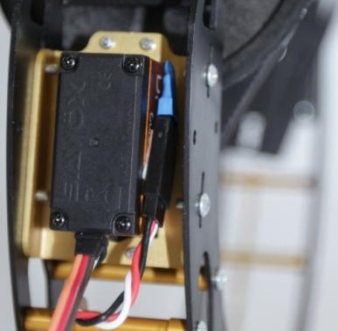
Fold the resistors leads together and the three ends to the same length with at least 1cm to spare.



Use pliers to crimp the pins onto the ends of the resistors. It is easier to work with the ends if you separate them from each other



Line up the three pins so they are approximately inline.

	<p>Insert all three pins at the same time into the male servo housing. Make sure each pin goes in far enough so the black tab locks the pin in place.</p>
	<p>Place about 20mm of 6mm heat shrink on the end of the servo plug so that the resistors are totally covered.</p>
	<p>Use a heat gun, lighter or match to shrink.</p>
	<p>Plug the two dummy pots into the roll and tilt servos</p>
	<p>Attach the pots to the side of the servo with double sided tape.</p>



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