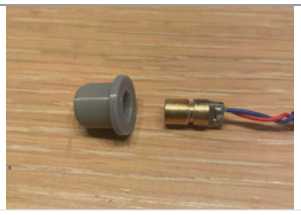
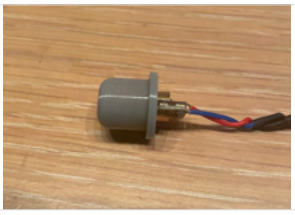
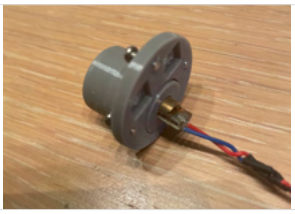
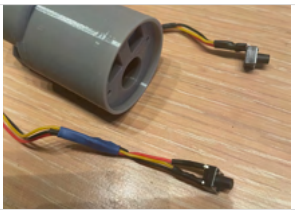
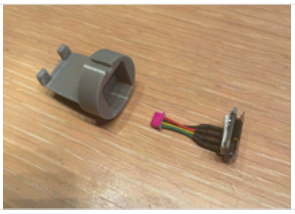
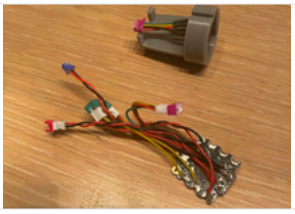
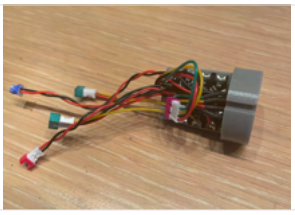
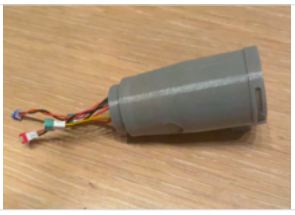
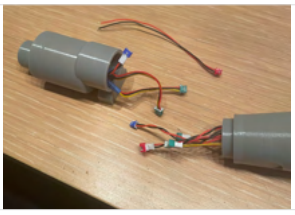
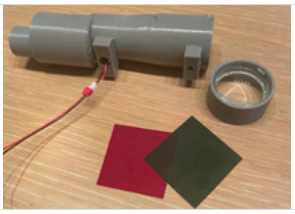
PropTroniX - E-11 Blaster Scope Electronics Install Guide.

Measure the length required for all the cables and solder to the components, remember to add the 10K resistor on the GROUND wire from the 6mm Tactile Switch.

1. 4-Pin JST Leads - 0.49” OLED Display
2. 3-Pin JST Lead & 10K Resistor - 6mm Tactile Switch
3. 2-Pin JST Leads - Laser LED and Battery Power Supply

Once all wires have been soldered you can continue with the following:

	#1	Insert LED Laser into Part #1 Laser LED Holder. Make sure you DON'T Paint the inside bit of the Laser Holder or the Laser LED will NOT Fit.
	#2	If it is too tight to fit sand the inside of the Holder - If it’s too loose use a small amount of Hot Glue to hold in place. It should look like the image when done.
	#3	Place Part #1 Laser LED Holder into Part #2 Scope Front End
	#4	If too tight sand the parts until they fit nicely. No need to glue.
	#5	Take the wired 6mm Tactile Switch and pass through the Front of Part #3 Scope Front Body (Ignore the 2nd Switch in the image, this is for the updated version which has 2 switches)
	#6	No need to glue the switch in but it must sit all the way down. You can sand the hole if needed.

	#7	Now place Part #2 Scope Front End on to the Front of Part #3 Scope Front Body, making sure the switch operate correctly (Small Click) before screwing together with 3 x M2 Cheese Head Screws. Front part of the Scope is now Complete.
	#8	Pass the Wires through the hole in Part #4 Electronics Holder and use a small piece of Double Sided Tape to secure the OLED inside of Part #4 Electronics Holder.
	#9	Now place the DFRobot Beetle with all wires soldered into the top of Part #4 Electronics Holder with the USB Port facing up facing towards the front of the Scope.
	#10	Glue a 4x3mm Neodymium Magnet into the Hole in the back of the Electronics Holder. Your completed Electronics Holder should look something like this.
	#11	Glue a 4x3mm Neodymium Magnet in the Hole on the small end of Part #5 Scope Rear Body. Slide Part #4 Electronics Holder into Part #5 Scope Rear Body, making sure the wires for the LED Laser, Laser On/Off Switch and Battery Power thread all the way through the space at the back of Part #5 Scope Rear Body.
	#12	Now connect all the cables, making sure you connect the right leads together. I suggest marking each wire with a different colour Sharpie when building so you know which plug goes in which socket. Make sure you also pass the Battery power cable through the hole in the bottom of the front foot on the Part #3 Scope Front Body.
	#13	Your display screen should look like this.
	#14	The 30mm Glass Cabochon is pushed into Part #6 Scope Lens Cap. Cut a piece of colour film to the same size as the Cabochon and place behind it when fitting after painting to give the Scope Display a colour. I use Red, but you can use any colour you like. Connect 3.7v Battery to Power Lead and your Scope should come to life. The button on the Front turns theLaser On and Off.Scope Display.
	Congratulations! you now have an E-11 Blaster Animated Scope	