

Connector Set Assembly Instructions

The steps outlined below will help you assemble your connector sets for installation on your batteries, electronic speed controls, charge leads and more.

A few tools are required for connector assembly.

- 40-watt soldering iron
- Rosin-core solder (like WSD2020)
- Pliers
- Wire stripper
- 1.5mm hex driver or small flat blade screwdriver
- Connector Set (with Housing and two Bullet Connectors)

The Assembly Process

Step 1: Strip one wire lead to expose about 2-3mm of wire. *IMPORTANT NOTE: When installing Battery connectors, be especially sure to strip, solder and install one wire/connector at a time, to prevent the chance of an accidental short.*

Step 2: Using the soldering iron and solder, tin the exposed end of the wire. Be sure to completely tin the wire to avoid a possible cold or poor solder joint.

Step 3: Lightly tin the inside of the gold “bullet” connector (try not to use too much solder in order to prevent excess solder from flowing to the outside of the bullet connector in the next step). *IMPORTANT NOTE: The female “tubes” are used for the Battery connectors, and the male “pins” are used for charger, ESC or other Device connectors.*

Step 4: Place the tinned wire into the tinned bullet connector while heating the joint with the soldering iron. A cleaned and tinned soldering iron tip will help provide a clean and secure solder joint. Be sure to keep excess solder from flowing onto the outside of the bullet connector. Excess solder on the outside of the bullet connector will make it difficult/impossible to install the bullet connector into the plastic connector housing. *IMPORTANT NOTE: In order to remove excess solder from the outside of the bullet connector, you must use a sharp hobby knife (and extreme care) or a rotary tool with a grinding stone (or cutting wheel).*

Step 5: While the bullet connector is still warm from the soldering process, insert it into the back of the appropriate plastic connector housing. Make sure to verify the polarity before inserting the bullet connector, as marked on the outside of the plastic connector housing. Push the bullet connector into the plastic housing with a 1.5mm hex driver or small flat blade screw driver and moderate to strong pressure, with the front of the plastic connector housing firmly seated on a solid surface. You will feel a “pop” when the bullet connector is properly locked into the plastic housing. *IMPORTANT NOTE: The bullet connectors must be aligned as straight as possible inside the housing or it will be difficult to connect and disconnect your connectors.*

Step 6: Repeat steps 1-5 with the other wire lead. At this point assembly of your Connector is complete.