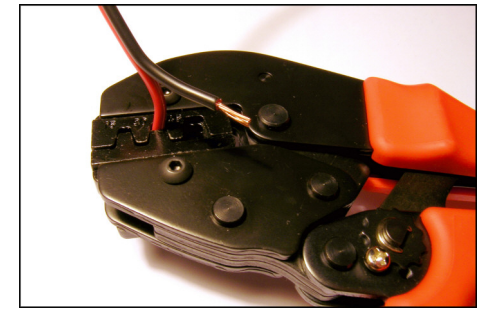
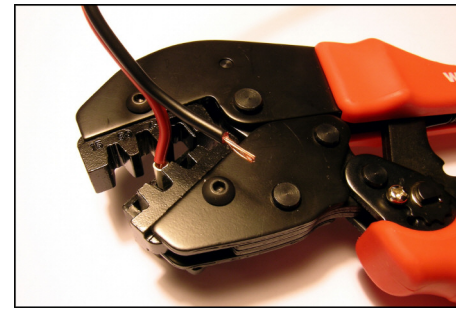
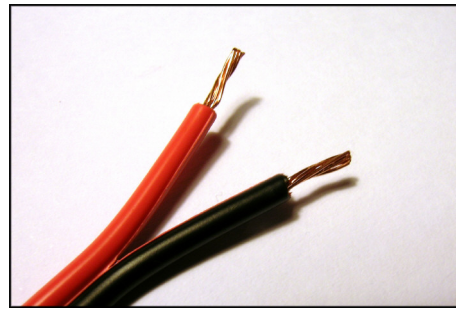
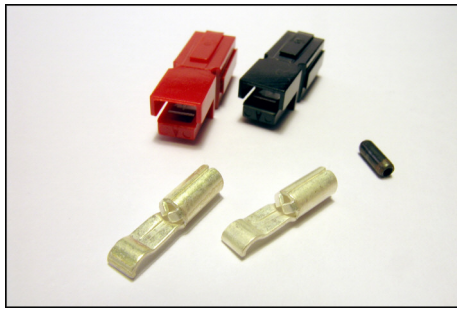
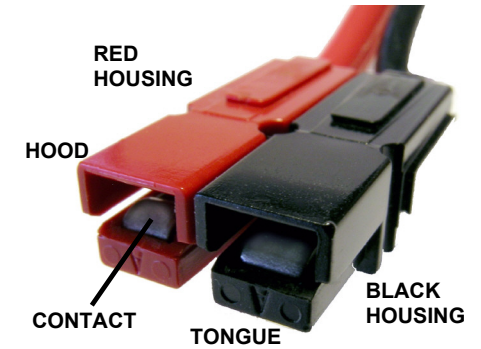


# Assembling Anderson Powerpole Connectors

By Bob Wilson, W3BIG

Anderson Powerpoles have been adopted by ARES and RACES units as the standard connector for emergency communications equipment. The connectors are robust, readily available and facilitate interoperability. For Amateur Radio use the connectors are available in both 15 and 30 amp models. The 15 amp model is for 16-20 AWG wire and the 30 amp model for 12-16 AWG wire. The connectors consist of a red and black plastic housing, two metal contacts and a roll pin.

Before beginning assembly, observe the layout of the red and black housings. With the tongue down and hood up, the black housing is on the right and the red on the left. This is critical for proper polarity.

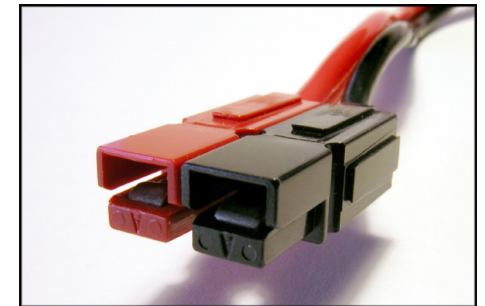
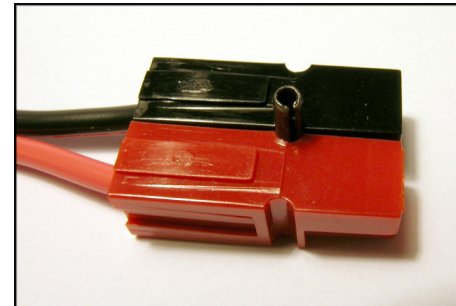
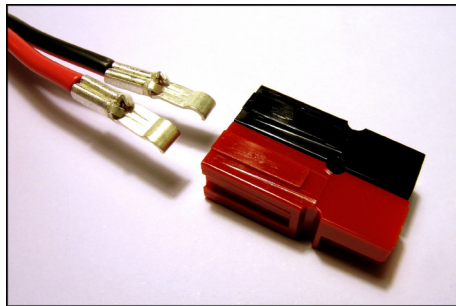
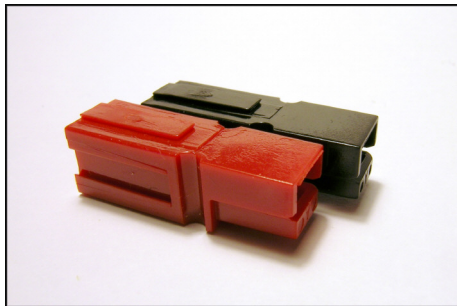


1. Assemble the parts including a red and black housing, two contacts and a roll pin.

2. Cut power cord to length and separate the red and black wires about one inch. Strip 1/4 inch insulation from each wire.

3. If you have a Powerpole crimping tool, place one contact in the appropriate sized slot. The curved end of the contact faces down and the round end with the hole up.

4. Squeeze the handles of the crimping tool firmly. Repeat for second contact and wire. Solder the wires to the contacts if a crimping tool is not available.



5. Slide red and black housings together keeping the hoods up and tongues down. Note the red housing is on the left.

6. Line up the wires with the installed contacts observing proper polarity.

7. Insert each contact into a polarized housing. Push contact in until a positive click is heard. Use a small screwdriver if needed. Push roll pin into hole between housings.

Finished Powerpole should look like this. If you opt to glue housings together instead of using a roll pin, add a drop or two of cement between housings prior to step 5.