

SARATOGA

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Anderson Powerpole Connector Assembly Instructions



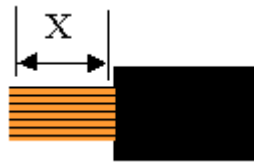
Cross Section View

For 15, 30 and 45 ampere Anderson Powerpole Power Connectors

ASSEMBLY

Strip wire to "X" dimension (Figure 1) taking care to avoid nicking or cutting of wire strands. Do not bend or twist strands too sharply.

Figure 1

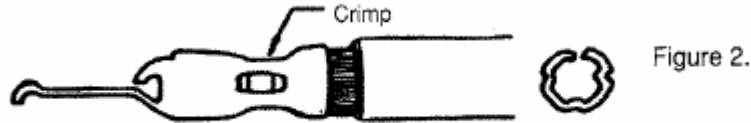


| <i>Amps</i> | <i>"X" Inches</i> | <i>"X" mm</i> |
|-------------|-------------------|---------------|
| 15 | 5/16 | 7.9 |
| 30 | 5/16 | 7.9 |
| 45 | 5/16 | 7.9 |

TERMINATION

Crimped

Insert wire to the base of contact, then crimp. The crimp indentation should fall in the middle of the barrel (see Fig. 2). Use recommended crimp tools only. Crimping by other means may disturb contact position in the housing and/or produce high resistance joints.

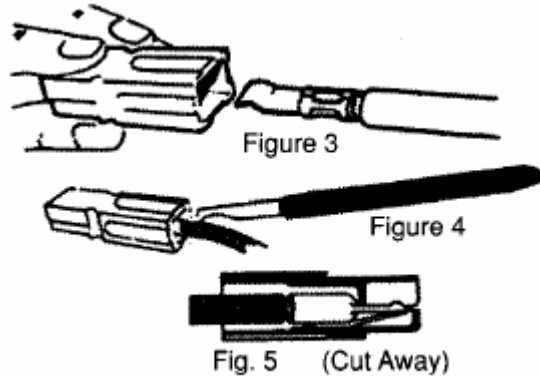


Soldered

Melt rosin flux tin solder into contact well, do not solder-dip contacts or overload the joint with solder. Solder flow should not be allowed to wick along the wire strands beyond the contact barrel.

CONTACT INSERTION

Insert contact and wire into the housing from the rear (See Fig. 3). Position contact as shown (See Fig. 4) and push forward using a small screw driver or awl as an insertion tool so that contact slips under the barrier and snaps over the end of the retaining spring (See Fig. 5). Tug slightly to make sure contact is locked in place.



CONTACT REMOVAL

Use a small screwdriver of appropriate size. Place the tip of the screwdriver between the contact and spring using a rotary motion. Continue rotation while pulling on the wire until the contact disengages from the spring. Withdraw contact from rear of housing (See Fig. 6)



HOUSING PAIR FINAL ASSEMBLY

Pair the housing together using the dovetail joints on the sides of the connectors. Arrange the connectors as shown in figure 7. This orientation will ensure compatibility with the PowerPanel and other popular power distribution panels as well as ARES/RACES interchange.

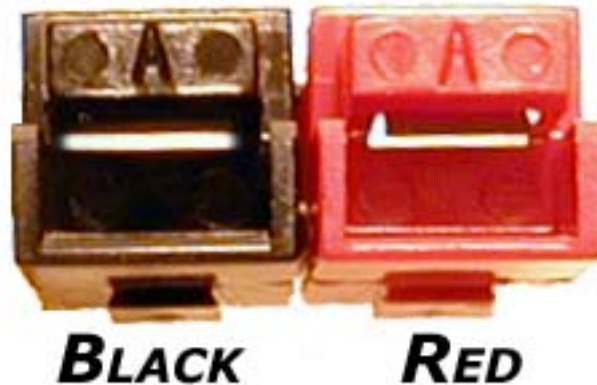


Figure 7

CONNECTOR USAGE

- Be sure the polarity is correct before connecting to power or equipment
- We **DO NOT** recommend the use of roll-pins. In most applications the dovetail will hold the joint well and no further fixation is necessary. The roll-pins can and will fall out, possibly causing a short or worse. As an alternative, Anderson Power Products recommends using cyanocrylic type glue, i.e. Crazy Glue. This will hold the connector bodies together permanently. If you find it necessary, glue them, don't use pins. Other solutions range from a toothpick in the hole or dab of silicon glue injected into the hole between the red and black housings.
- Do not disconnect under load. **Not for interrupting current.**
- Connector halves should not be disconnected by grasping cable leads.
- Use only in equipment where the acceptability of the combination is determined by UL / CSA or other applicable certification agencies.

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