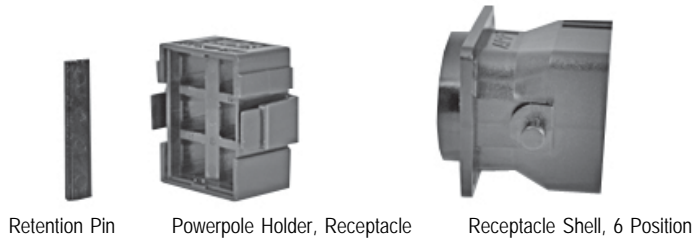


SPEC Pak Receptacle Assembly Instructions

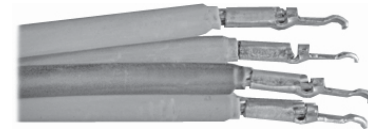
SPEC Pak Receptacle Kit (SK2-053B06) Components



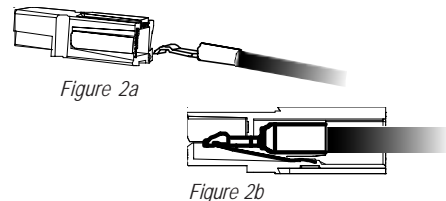
SPEC Pak Receptacle Explosion Diagram



1. Wire preparation - Strip insulation 5/16 inch (8 mm) from the end of the wires to be terminated, being careful not to damage the copper conductors.

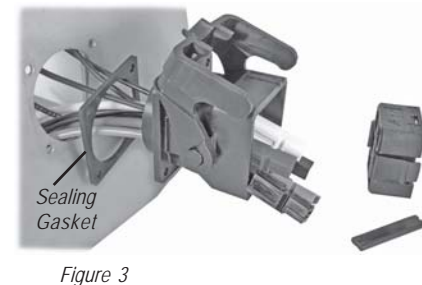


2. Terminate Powerpole contacts to individual wires by inserting contact into the recommended Anderson crimping tool and crimping. See SPEC Pak Data Sheet for additional information on contacts. Keeping all contacts on a similar plain while crimping will make installation into Powerpole Housings and SPEC Pak Holder easier. (See Figure 1)



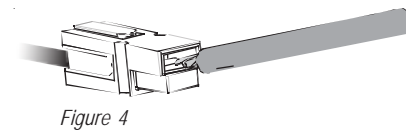
Crimping with non-APP recommended tools may produce high resistance or contact distortion, resulting in improper seating of the contact in the Powerpole Housing. Use of other tools may also effect UL & CSA approval.

3. Install contacts into Powerpole Housings. Position contacts as shown (See Figure 2a & 2b) and push contact and wire into Powerpole Housing so contact snaps into place. The contact will slip under the internal barrier and snap over the end of the internal retaining spring. Repeat until all wires and contacts have been firmly locked into their respective Powerpole Housings.



4. Slide SPEC Pak Receptacle Panel Mount Sealing Gasket and Shell onto wires. Panel Sealing Gasket should be between panel and rear of SPEC Pak Receptacle. (See Figure 3)

To insert or remove a contact from a Powerpole Housing use Anderson insertion / extraction Tool P/N: 111038G2. Place one of the forward prongs of the tool between the contact and spring using a rotary motion. Continue rotation while pulling on the wire until the prong causes disengagement of the contact from the retention spring. Withdraw contact from the rear of the Powerpole Housing. (See Figure 4) Reinstall contact into correct Powerpole Housing per step 3 above.



SPEC Pak Receptacle

Page 2

5. Position Holder so APP Logo is up (See Figure 5). Insert Powerpole Housings into Holder from the rear. Holder is marked with "Front".

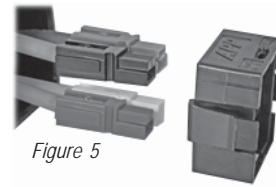
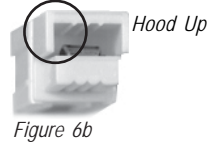


Figure 5

Standard orientation for Powerpoles in SPEC Pak Plugs are Hood Down. (See Figure 6a)
Standard orientation for Powerpoles in the SPEC Pak Receptacle are Hood Up. (See Figure 6b)



Hood Down
Figure 6a



6. Once all Powerpole Housing are inserted into Holder, insert Retention Pin into Holder. (See Figure 7). Continue to press Retention Pin into Holder until fully inserted. (See Figure 8)



Figure 7



Figure 8

7. Position APP Logos on Receptacle Shell and Holder in up position. Press Holder into Receptacle Shell until Holder Snaps into place (See Figure 9). Holder may be removed from the Receptacle Shell with a small flat screw driver. Insert screw driver beside Holder Latch and depress latch on one side (See Figure 10), then the other. Pushing the wire or cable from the back, while depressing latches will help to remove the Holder. To reinsert the Holder repeat step 7.



Figure 9



Figure 10

8. Attach SPEC Pak Receptacle to Panel with #6 screw (not included). Make sure the surface of the panel contacting the sealing gasket is clean and dry to ensure an IP67 seal. (See Figure 11).



Figure 11

Torque requirements

Receptacle to panel: 3½ to 5 in-lbf (0.4 to 0.56 Nm)