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Weatherpack Connector Kits

Terminal Installation

The male connector will use the female “socket” type terminal. The female connector will use the male “pin” type terminal, also the terminal used in the crimping photos on the following pages.



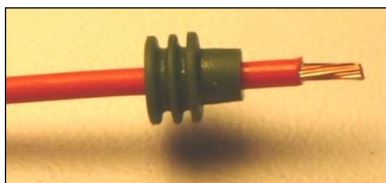
To crimp the terminals properly you will need a set of roll crimpers like those pictured to the left. Painless part number #70900.

STEP 1: Seal Installation



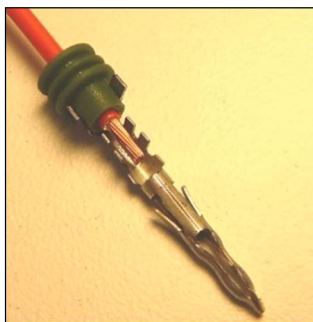
Slide the wire seal over the un-stripped wire as shown in the photo to the left. Doing this over an un-stripped wire will prevent the copper strands of exposed wire from penetrating the inside of the seal making it difficult to slide the seal onto the wire insulation.

STEP 2: Strip Wire



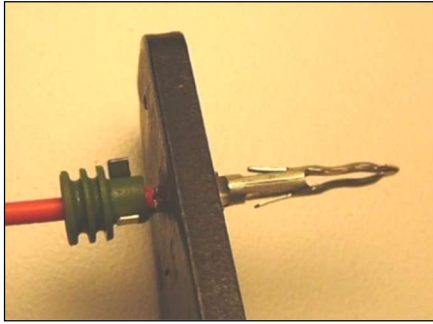
With the wire seal in place, strip no more than ¼” of insulation off of the wire. If your strip length is too long, then the terminal will not fit the wire properly and may not crimp the wire seal when crimping is done. Once you have stripped the wire, slide the seal towards the bare wire.

STEP 3: Terminal Installation



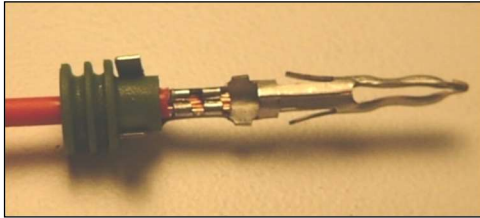
Install the terminal onto the wire as shown in the photo to the left, as well as the photo below. The tall straps found on the rear of the terminal will cradle the small end of the wire seal. The small straps found in the middle of the terminals should cradle the exposed copper of the stripped wire. If things do not fit as shown, you may have too much exposed copper wire or not enough. You will need to adjust your strip length until your terminal, seal, and wire strip resemble those pictured. Failure to do so will result in a bad crimp.

STEP 4: Terminal/ Wire Crimp

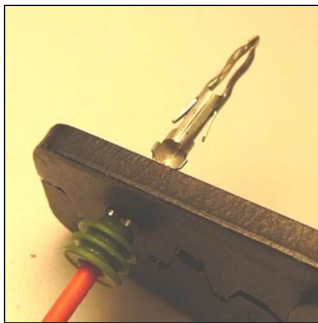


With the proper terminal, wire, and seal alignment established, you can now crimp the terminal to the exposed copper strands. Using the appropriate jaw location on the crimpers for the gauge wire you are using, crimp the terminal onto the wire. Make sure the crimp causes the terminal to “roll” over and down into the copper wire. In some instances, usually when the wrong jaw size is used, a crimp will cause the terminal straps to fold over on top of each other, this is not a good crimp. **NOTE:** Avoid over crimping which causes

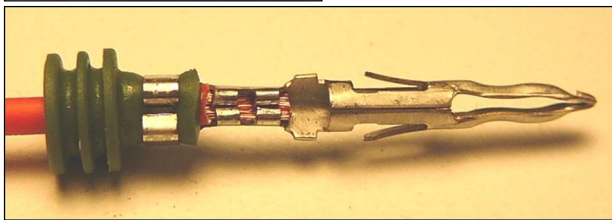
the terminal to distort and will make it difficult to plug into the connector.



STEP 5: Terminal/ Seal Crimp



The Terminal/Seal crimp is done in the same manner as the Terminal/Wire crimp. In most cases, depending on your crimpers, this crimp will be done using the largest jaw location on the crimpers. This crimp is simply holding the soft silicone seal to the terminal so not a lot of crimp force is needed. Again, when crimping the seal, make sure you get a “roll” over crimp as shown in the illustration above. Once the seal is crimped, you can now insert the wire and terminal into the correct pin location of the correct connector.



Painless Performance Limited Warranty and Return Policy

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty. All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.

Note: A full color copy of these instructions can be found at www.painlessperformance.com