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Part # 60131

EV6/USCar Fuel Injector Connector Installation Instructions

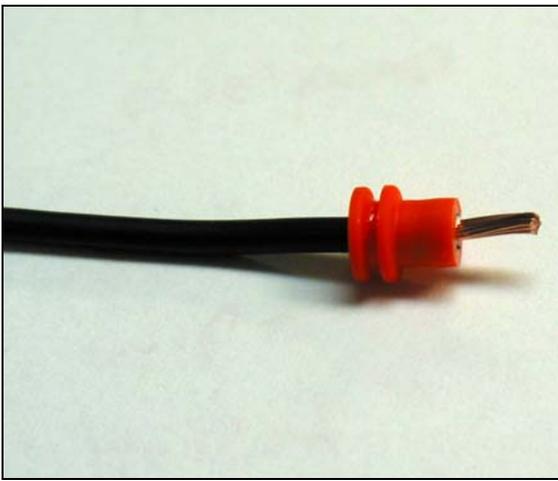


The connectors provided in this kit will allow you, the installer, to convert or repair your existing multi-port fuel injection harness to use EV6/USCar style injectors. EV6/USCar style injectors have several different appearances to them; however, they all utilize the same harness connector. To the left is an example of what this type of injector connection looks like.

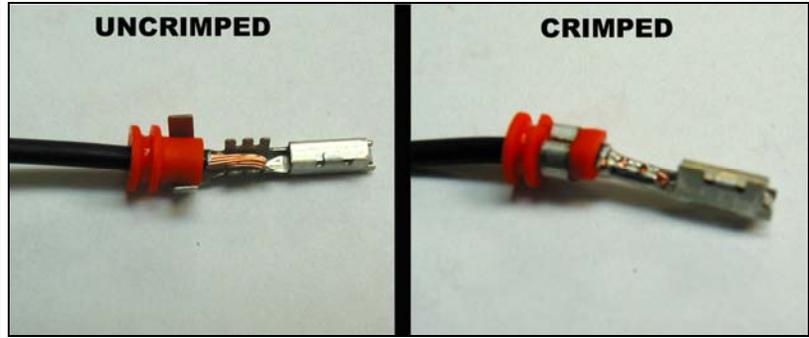
Each injector requires 2 wires, a switched 12 volt power and a ground. In most cases the power will be the wire that has the same color as wires going to injectors on the same bank or to the entire motor. This wire provides a switched 12v source to the injector(s). The control wire is a ground wire activated by the engine's computer and usually differs in color among the different injectors.

The connectors contained in this kit can be installed in 5 easy steps. Painless recommends replacing one connector at a time. These steps are:

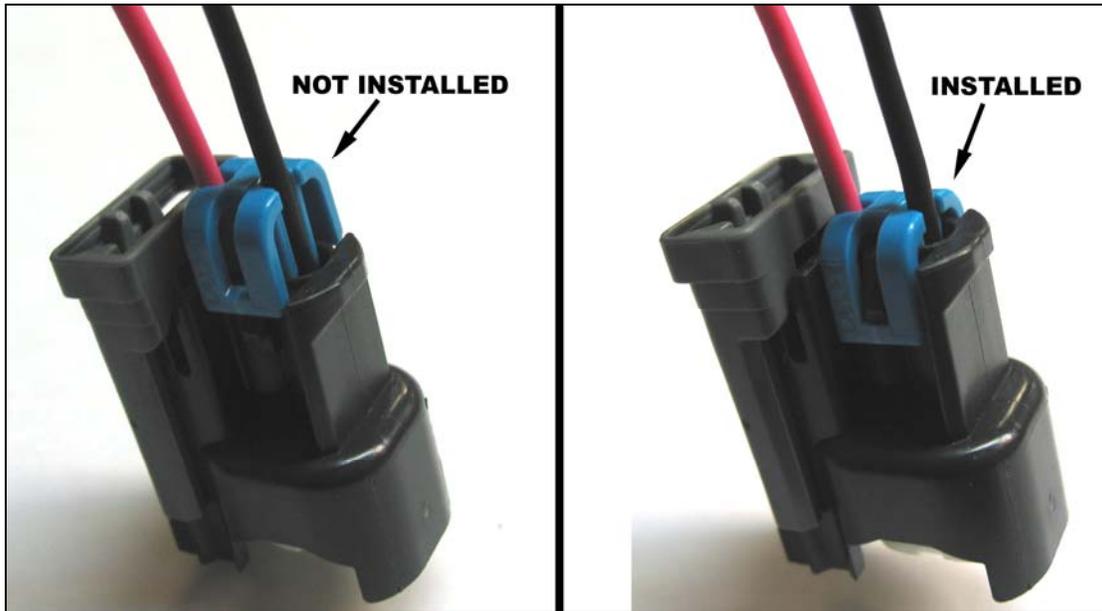
- 1) Cut the existing fuel injector connector off the harness. Cut as close to the connector as possible to avoid cutting too much wire causing the wires to be too short. This will make re-connecting to the injector tough if not impossible.
- 2) Insert the wires into a one of the wire seals as shown in the photo below. With the wires inserted, strip ¼" of insulation away from each wire.
- 3) Crimp a terminal onto each wire. Using a good/quality pair of "Roll Over" crimpers will ensure you get a proper crimp, DO NOT OVER CRIMP! Over crimping will cause the terminal to flatten or distort and will make pulling the terminal into the connector impossible.
- 4) Insert the terminated wires into the connector, the terminals will only fit one way and should not be forced into the connector. This connector does not have a specific pin out.
- 5) With the wire and terminals installed into their proper location, install the blue terminal lock onto the connector.



Wire inserted into cable seal, then striped



terminal positioned around bare copper and cable seal, then crimped



After wires are inserted into the connector, install the blue terminal position lock

PAINLESS WIRING OFFERS A TECHNICAL ASSISTANCE LINE TO ANSWER ANY QUESTIONS YOU MAY HAVE. THE NUMBER IS (800) 423-9696. PHONES ARE ANSWERED MONDAY THROUGH FRIDAY FROM 8 AM TO 5 PM CENTRAL TIME, NOT INCLUDING HOLIDAYS. PLEASE LEAVE A MESSAGE IF YOU ARE UNABLE TO REACH US AND WE WILL RETURN YOU'RE CALL AS SOON AS POSSIBLE.

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