



2501 Ludelle Street  
Fort Worth, Texas 76105  
817-244-6212 Phone • 817-244-4024 Fax  
888-350-6588 Sales • 800-423-9696 Tech  
E-mail: [painless@painlessperformance.com](mailto:painless@painlessperformance.com)  
Web: [www.painlessperformance.com](http://www.painlessperformance.com)

## Part # 60130

# EV1/Bosch Fuel Injector Connector Installation Instructions

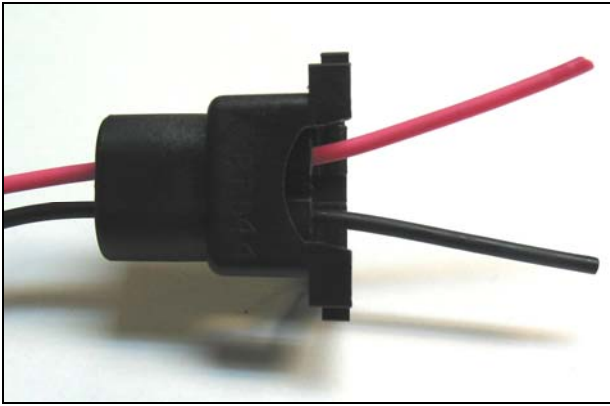


The connectors provided in this kit will allow you, the installer, to convert or repair your existing multi-port fuel injection harness to use EV1/Bosch style injectors. EV1/Bosch style injectors have several different appearances to them; however, they all utilize the same harness connector. To the left are examples of what these injectors look like.

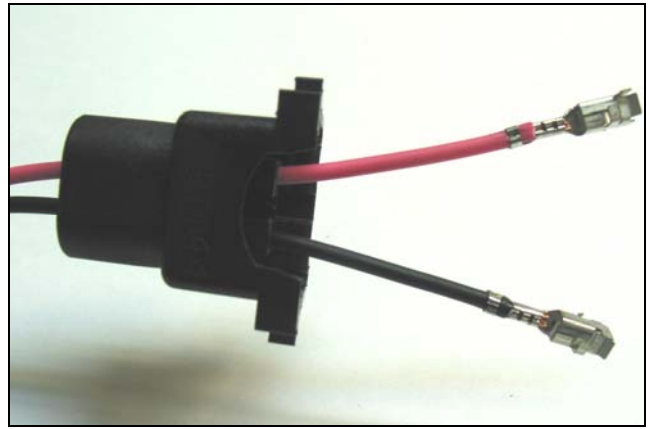
A factory schematic of your fuel injection harness may be needed in order to identify the power wire and the control wire for each injector. In most cases the power will be the wire that has the same color as wires going to injectors on the same bank or to the entire motor. This wire provides a switched 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.

Painless recommends replacing one connector at a time. The terminals used with this connector are "pull to seat" and must be installed after the wire has been inserted into the connector. The connectors contained in this kit can be installed in 4 easy steps, these steps are:

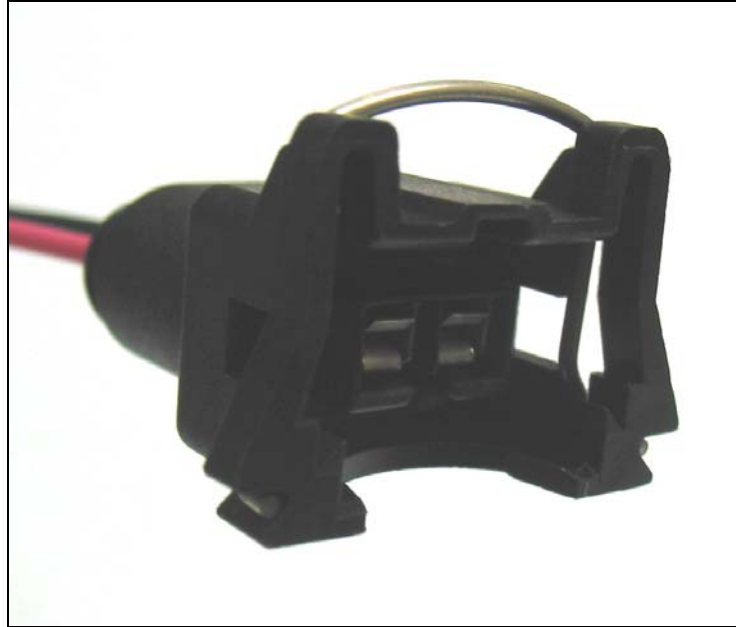
- 1) Cut the existing fuel injector connector off the harness. Cut as close to the connector as possible to avoid cutting too much wire causing the wires to be too short. This will make re-connecting to the injector tough if not impossible.
- 2) Insert the wires into a new EV1/Bosch connector according to the pin-out. With the wires inserted, strip ¼" of insulation away from each wire. Pin locations A and B are also molded into the back of the connector.
- 3) Crimp a terminal onto each wire. Using a good/quality pair of 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) With the terminal crimped pull the wire and the terminal down into the connector to lock it in place. You may need to rotate the terminal and wire as the terminal will only pull down into the connector one way.



Insert wires into connector, then strip insulation



crimp the terminals onto each wire



Pull the wires into the connector to lock the terminals into place

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.

## **Painless Performance Limited Warranty and Return Policy**

Chassis harnesses, fuel injection harnesses and Striker ColdShot 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.

**Copyright © 2008 by Perfect Performance Products, LLC**