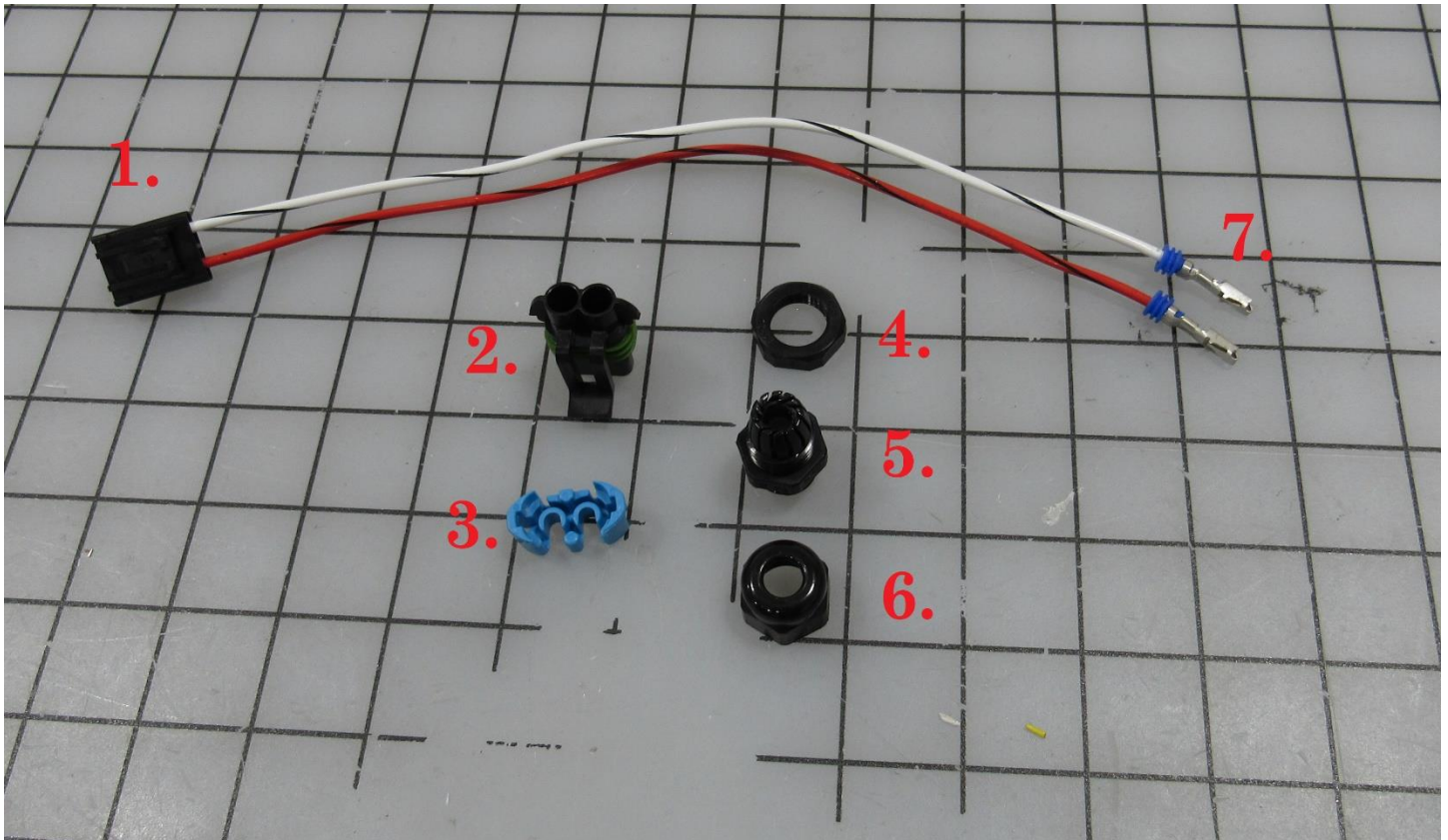


08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

This guide describes how to install the Bypass Connector if you added it on to your iWire Fuel Pump Controller Hardwire Kit. Please note, not all kits will have this connector. If you are unsure if you need this connector, please contact us.

In the Bypass Connector Kit there will be a connector that will match the fuel pump specified at the time of purchase. This guide uses the standard Walbro type. For many pumps both ends of this kit will utilize the same connector.

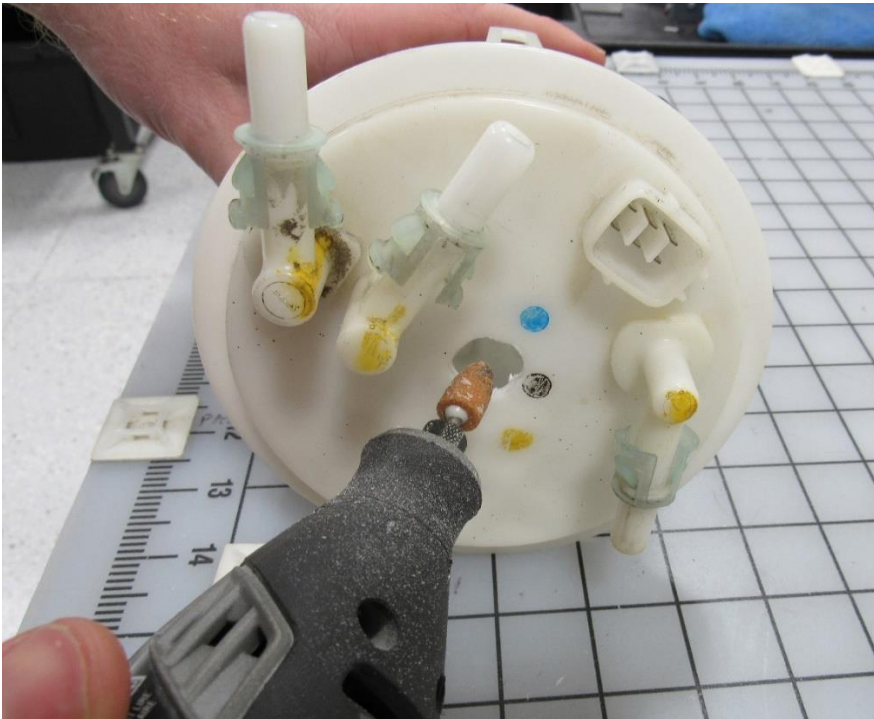
Bypass Connector Kit



1. Fuel Pump Connector (this plug may look different based on pump type you are using)
2. Plug to iWire FPC Hardwire Kit
3. Lock for Plug to iWire FPC Hardwire Kit (item 2 in kit)
4. Lock Nut
5. Connector
6. Cap
7. Terminals for Plug (item 2 in kit)
 - a. Please note that the prewired pigtail may have a Black wire instead of the White wire pictured above. The Black wire will go to the Blue ground wire in our FPC Hardwire Kit and the Red with Black Stripe wire will go to the White pump power wire in our FPC Hardwire Kit.

08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

First use a Dremel to open up a hole in the center of the assembly just large enough to fit the connector.

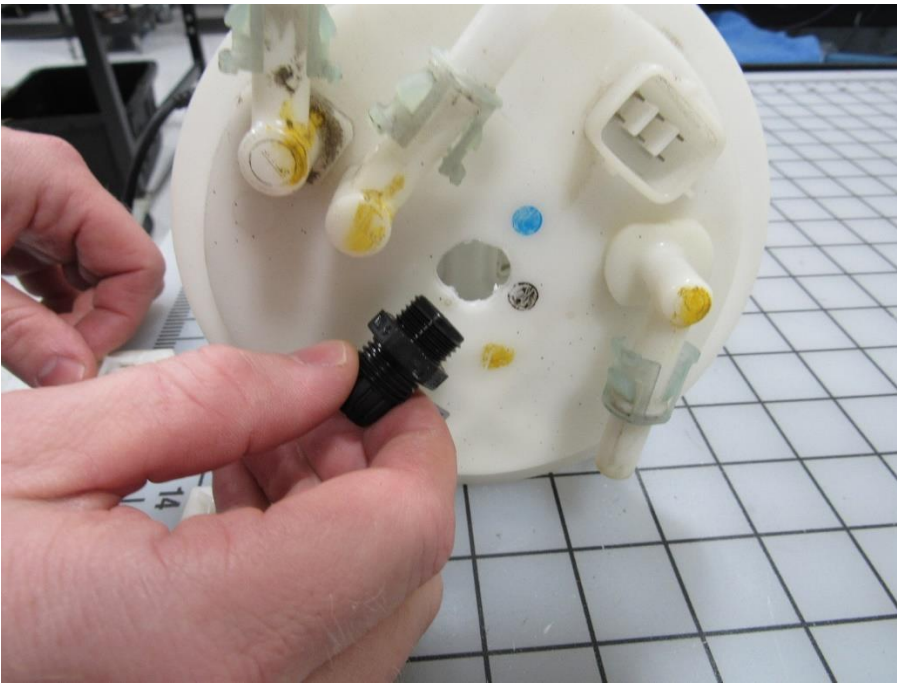


Use the Dremel to remove the cross patterns or ribs near the hole so the lock (item 4 in kit) will fit securely on the connector (item 5 in kit). If you do not remove these, the lock will not thread onto the connector properly.

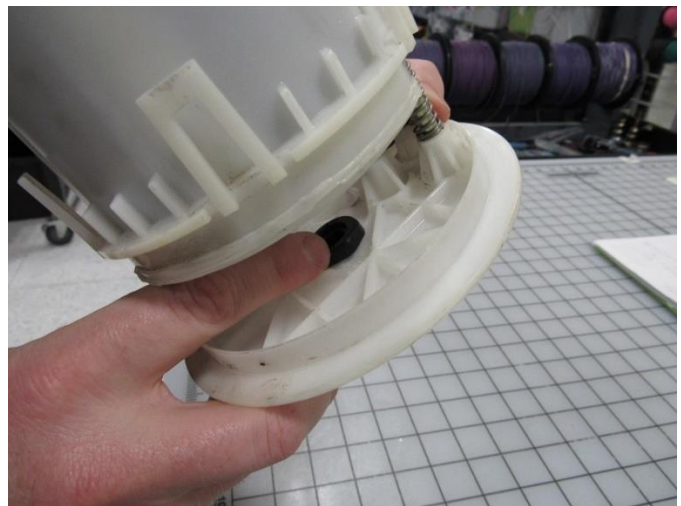
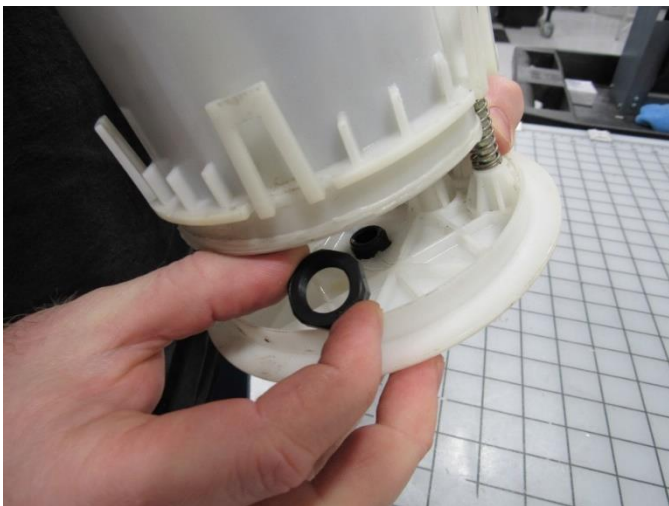


08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Insert connector into fuel pump assembly. It is probably best to add a touch of epoxy here to make sure the connector seals to the housing. Note our wiring skills are better than our Dremel skills. 😊



Thread lock onto connector threads and tighten.



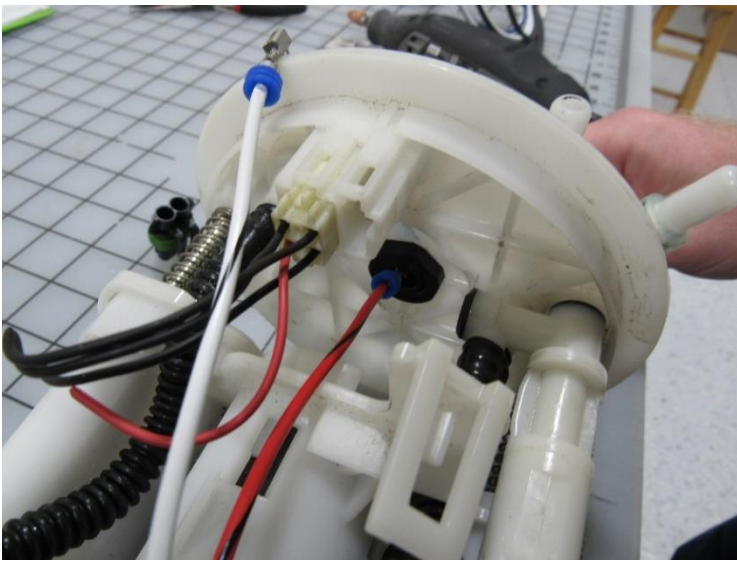
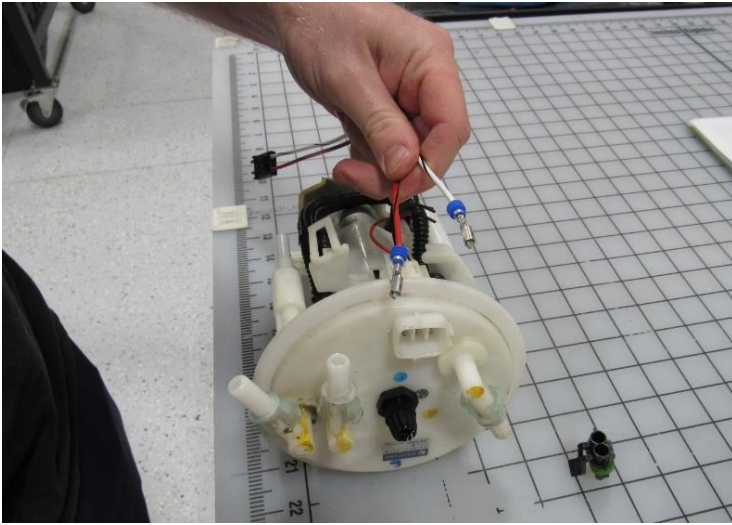
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

You can use the connector to tighten the lock nut. Do not overtighten!



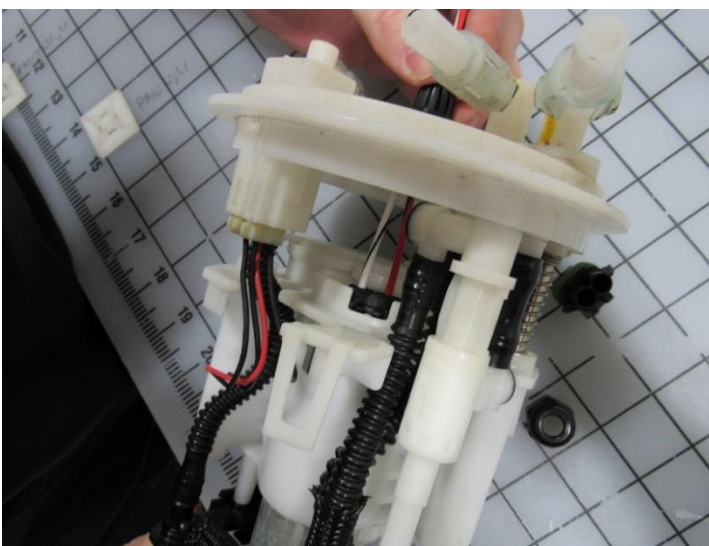
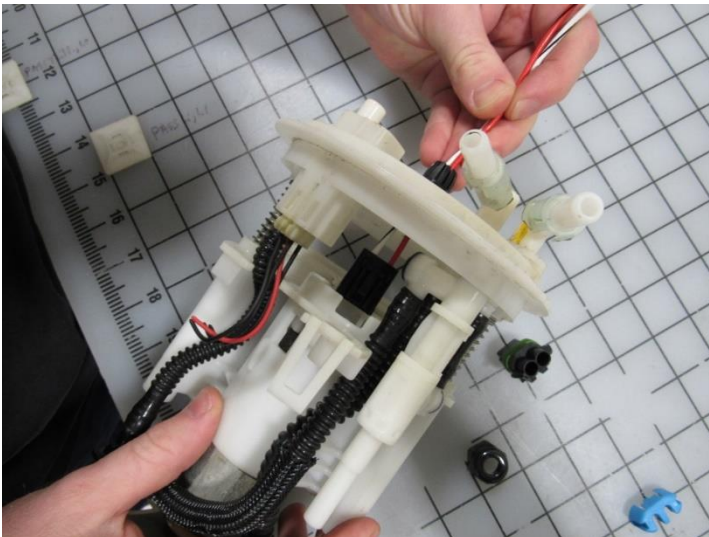
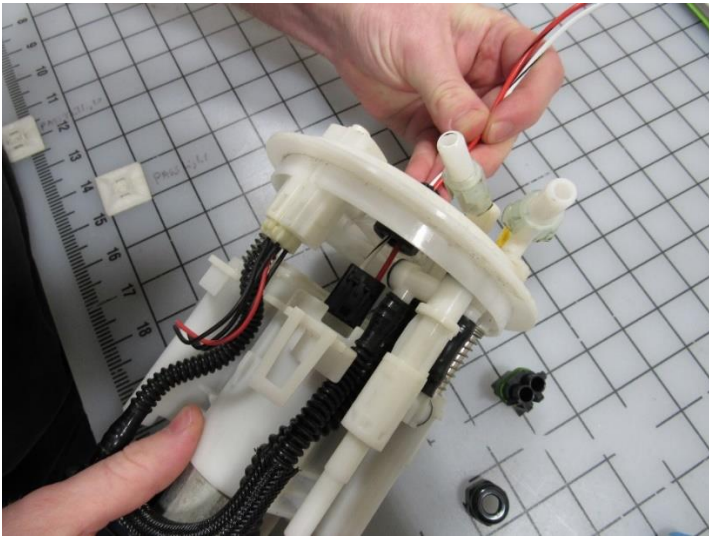
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Next insert the precrimped wires (item 7 in kit) into the connector from the bottom and pull through the top. It's best to do them one at a time.



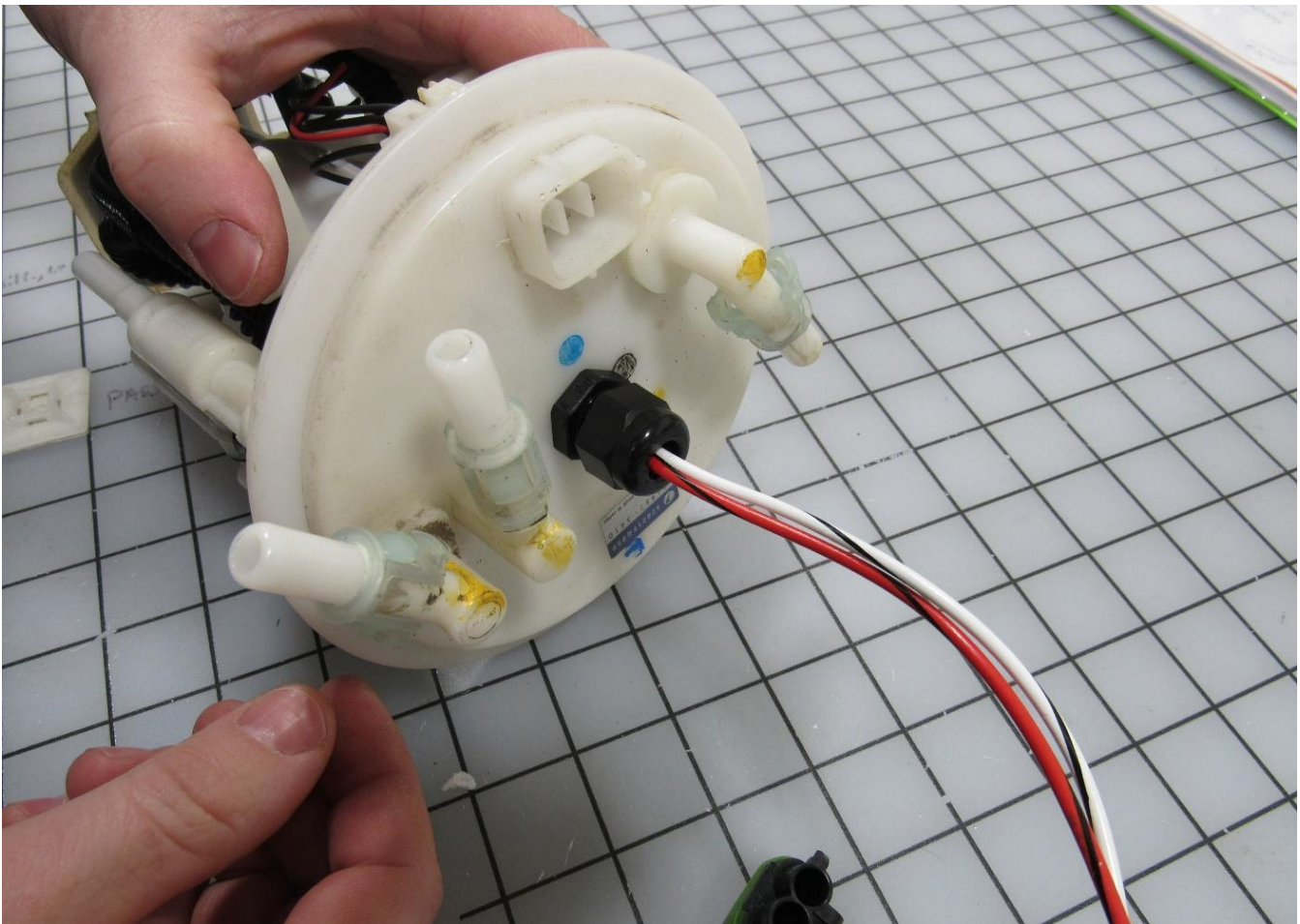
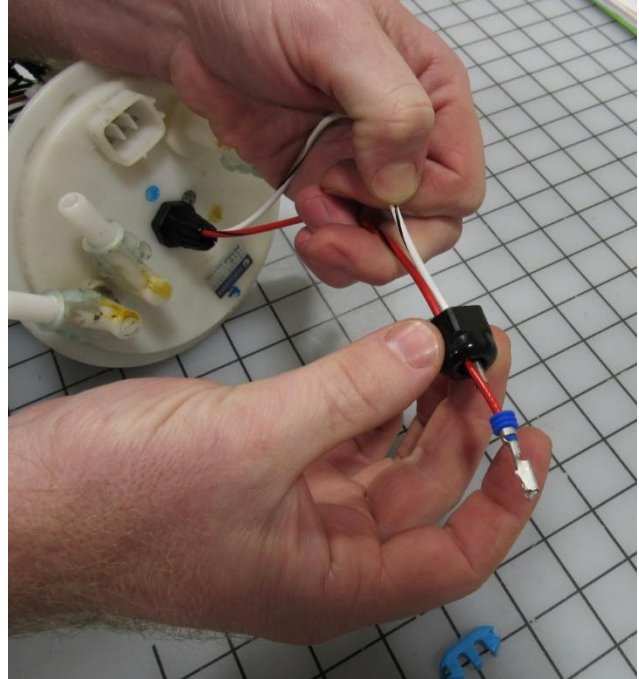
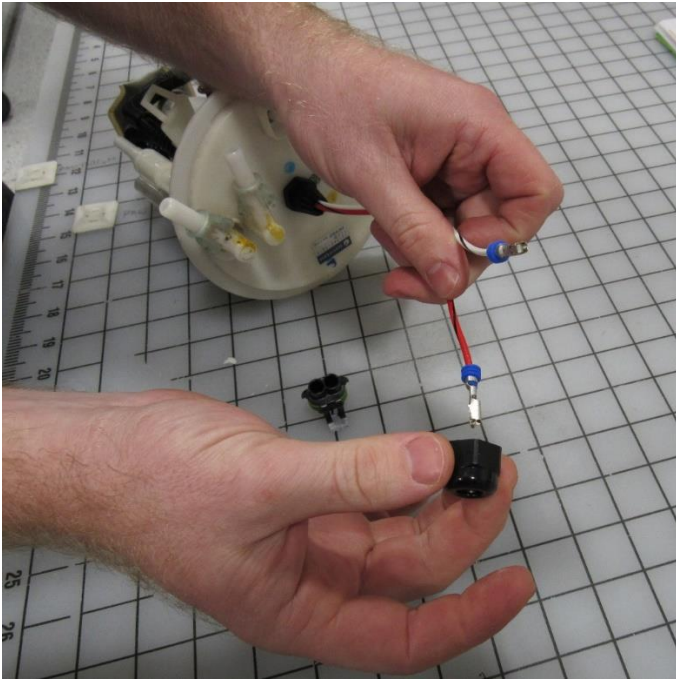
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Plug in lower connector to the fuel pump (item 1 in kit).



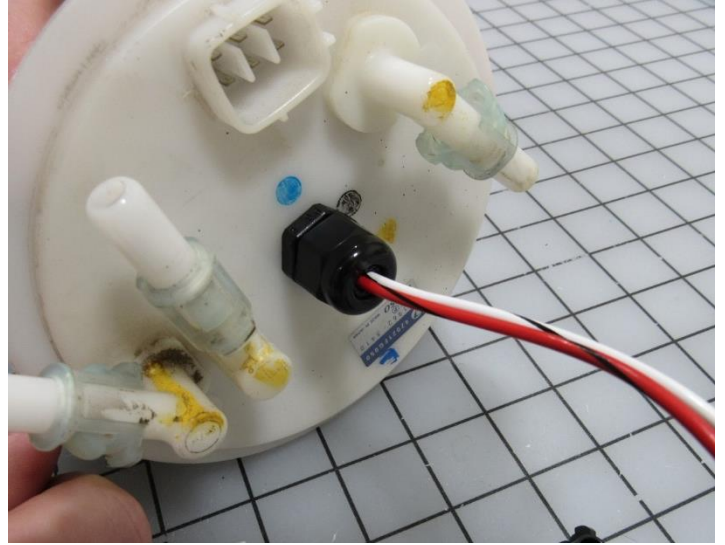
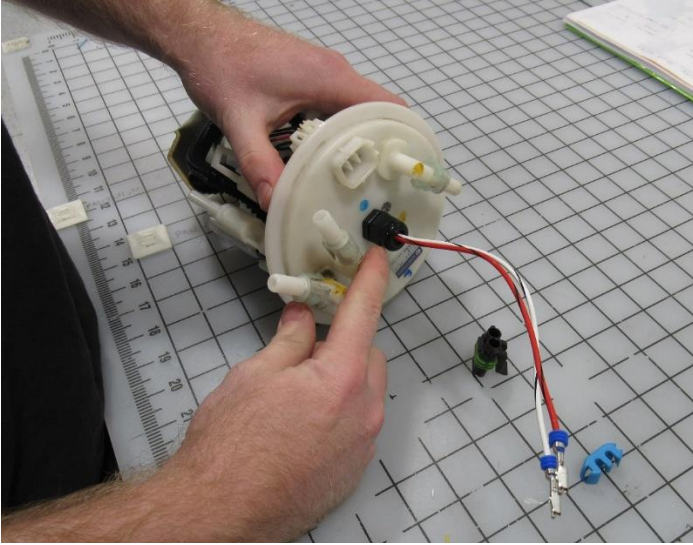
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Install upper locking cap (item 6 in kit). Pull wires through one at a time.

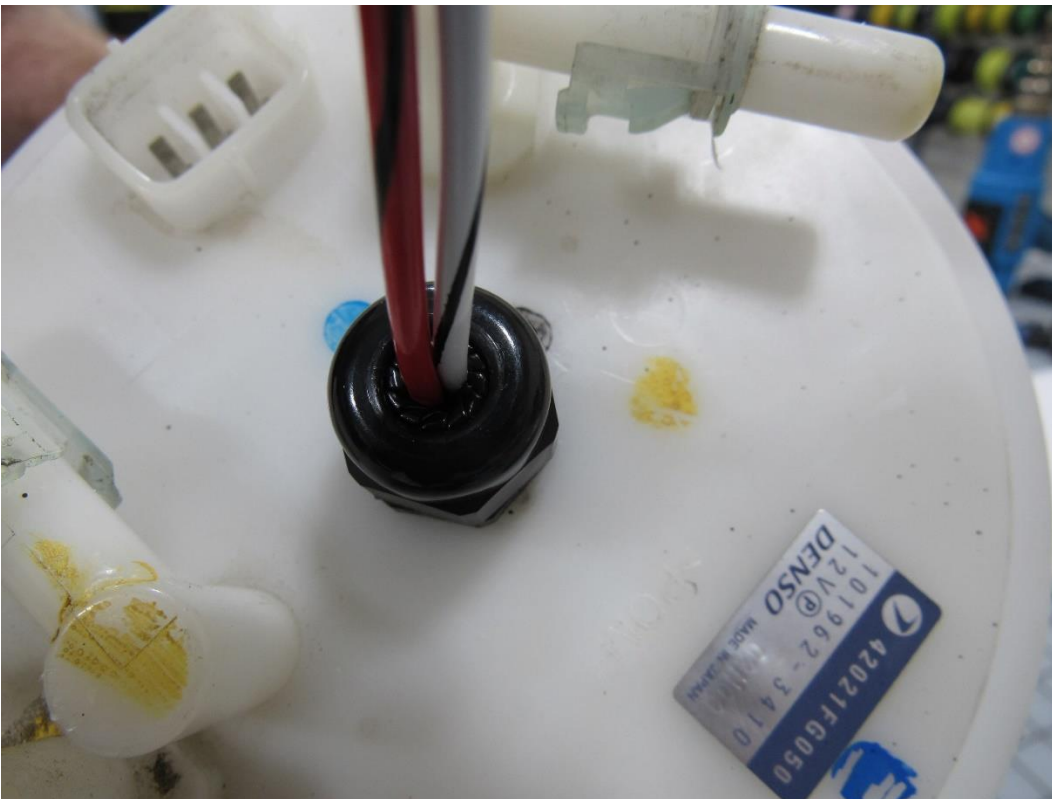


08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Tighten locking cap into place.

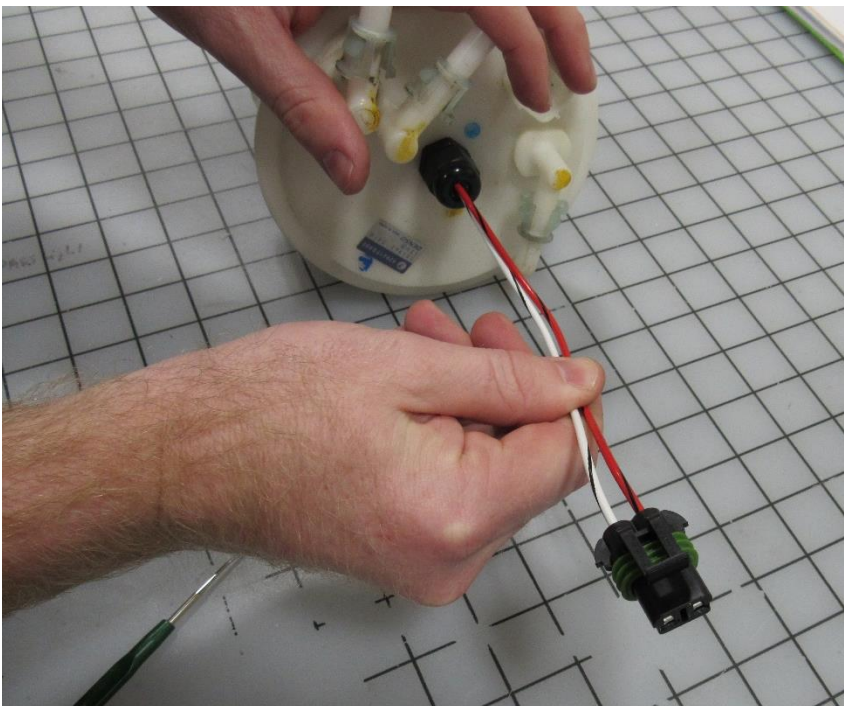
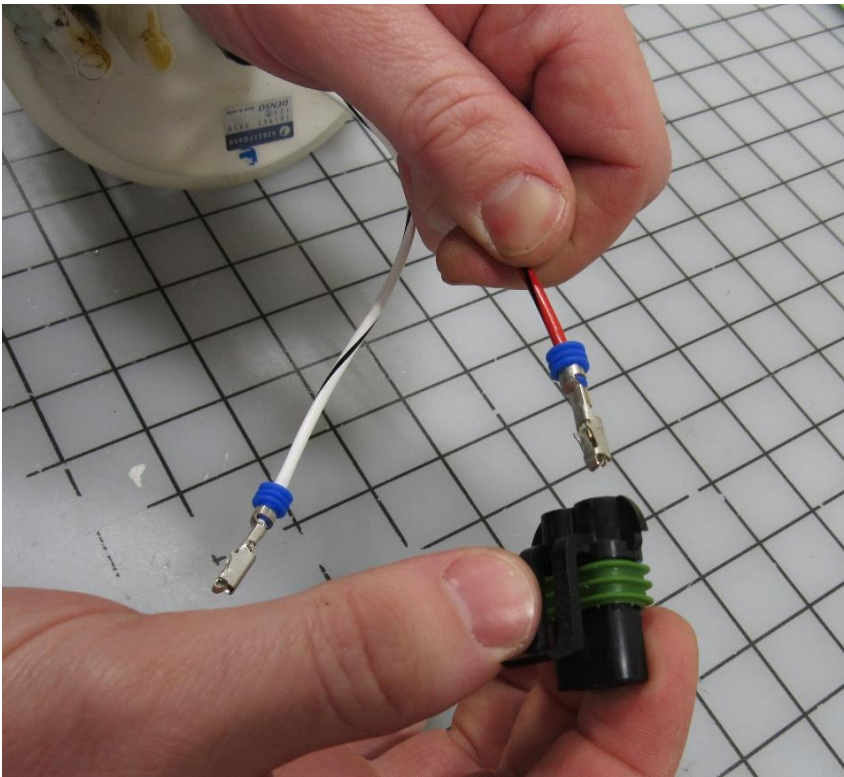


It should create a tight seal but might also be worth adding a touch of epoxy here too.



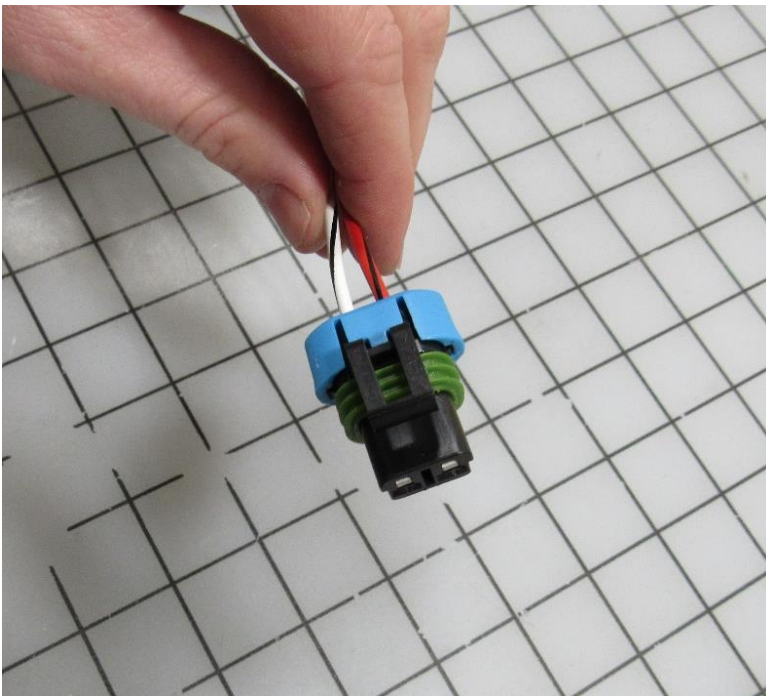
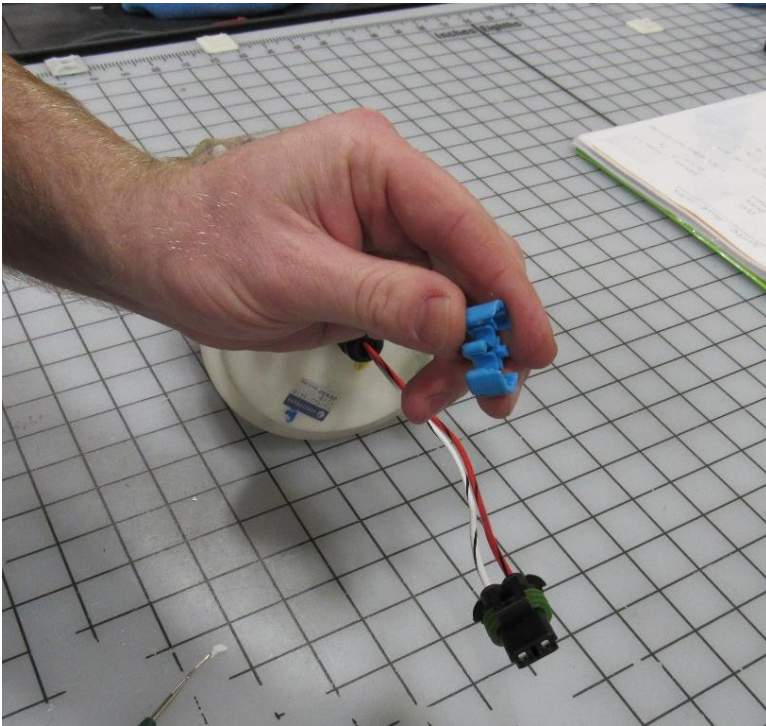
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Insert terminals into the Black plug (item 2 in kit). Red/Black goes to the Power side (White on the hardwire kit side) and White/Black or Black depending on when the kit was purchased goes to the Ground side (Blue on the hardwire kit side)



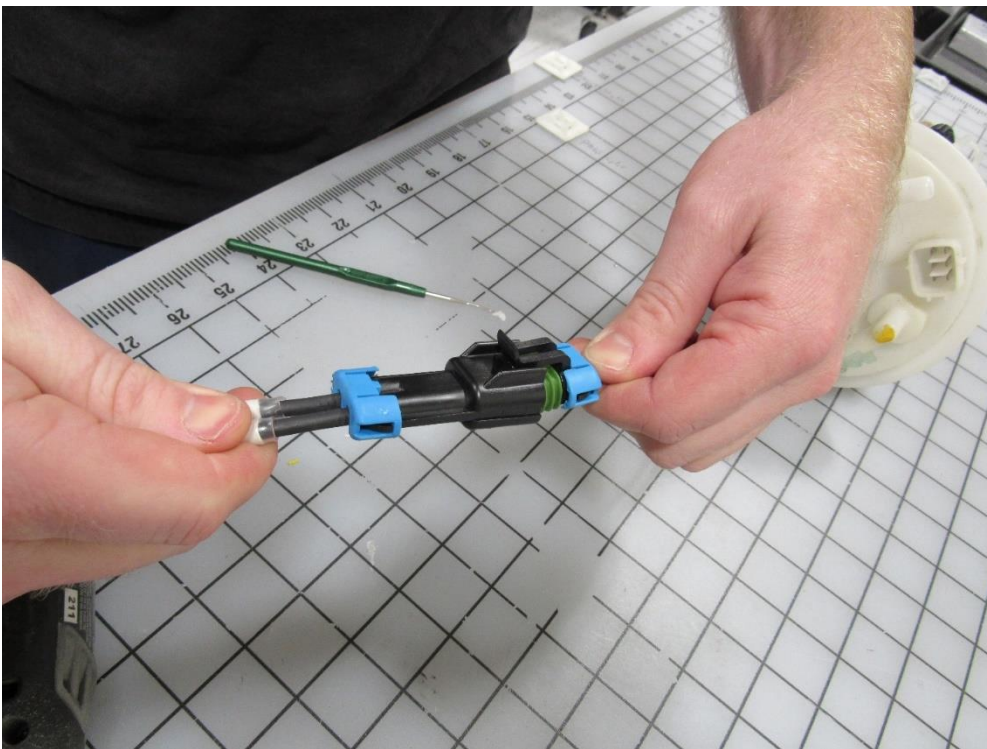
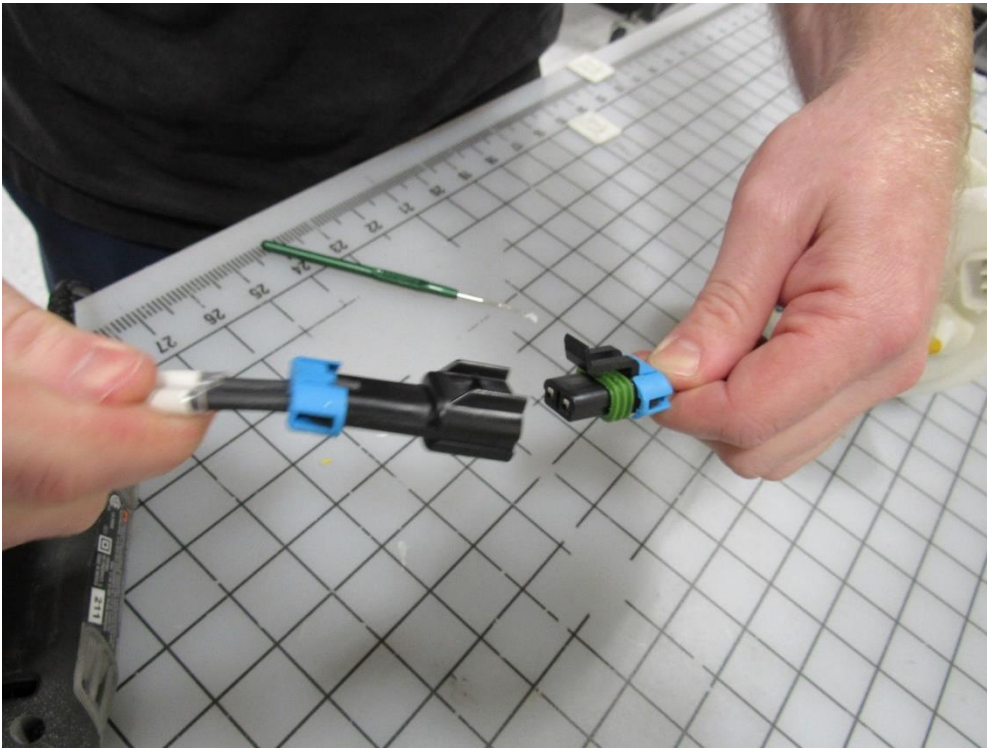
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Insert Blue lock (item 3 in kit) onto the back of the plug.



08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Plug into main harness for the iWire Fuel Pump Hardwire Kit.



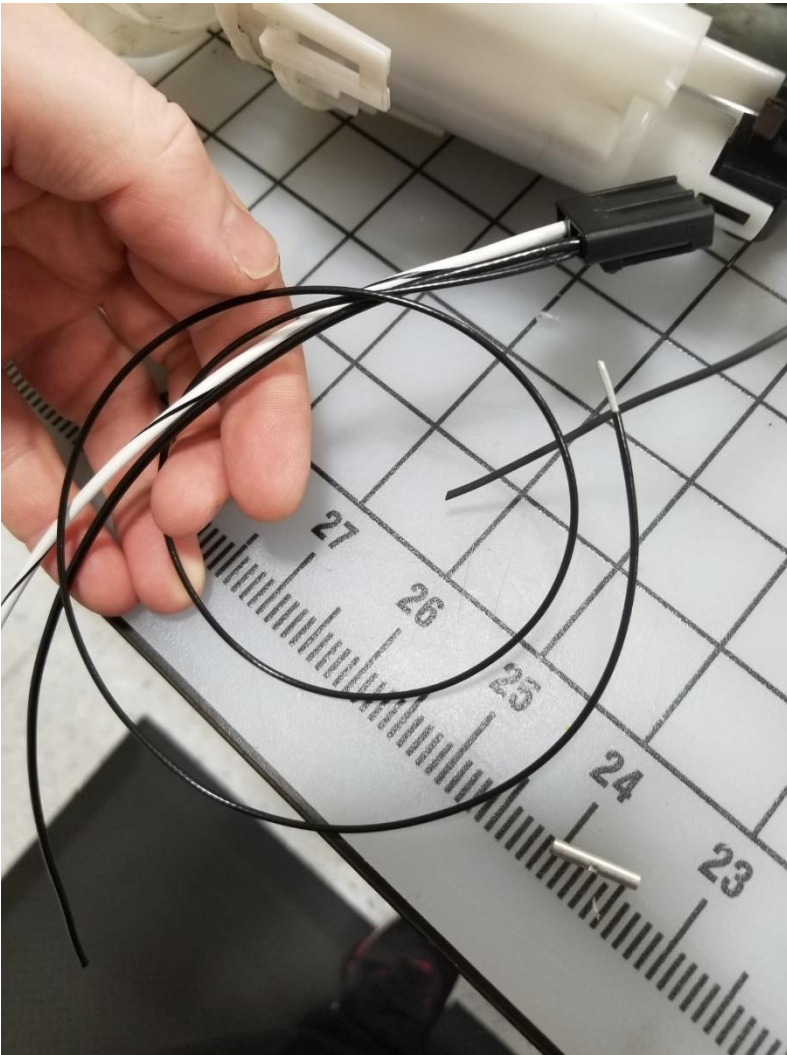
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

For those with added ground strap on factory tank housing



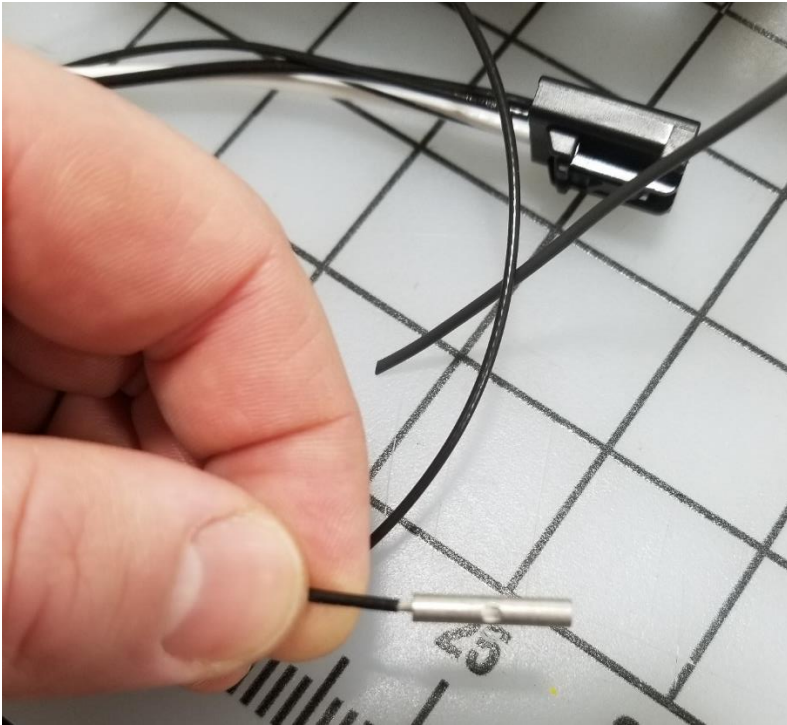
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

There will be a split off the stock connector that will connect to the original ground strap on the OEM housing.



08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Cut the wire to the necessary length, strip, and place crimp on exposed wire and crimp down.



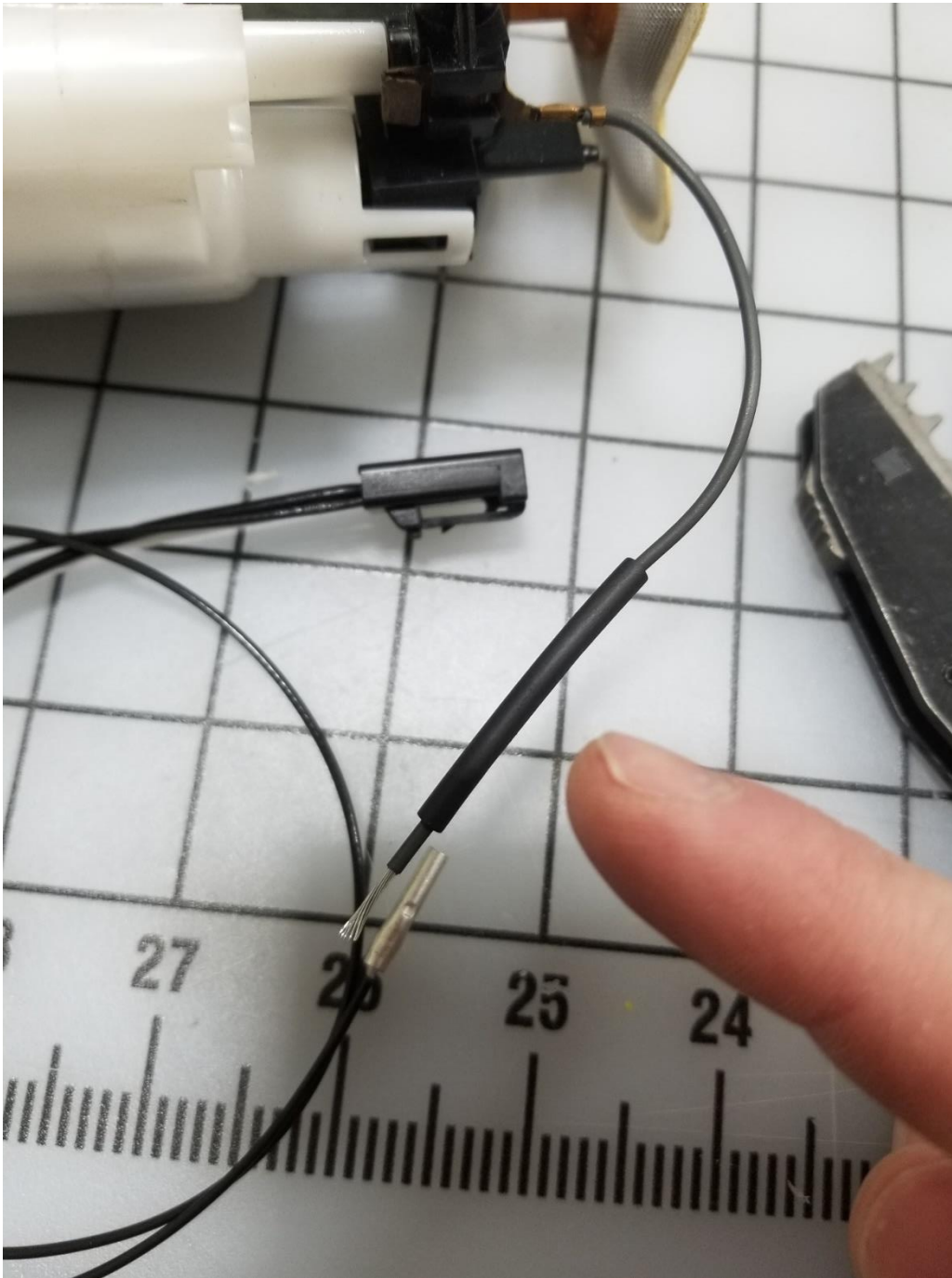
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Cut the stock wire that went to the original connector.



08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Slide shrink tube over exposed end.



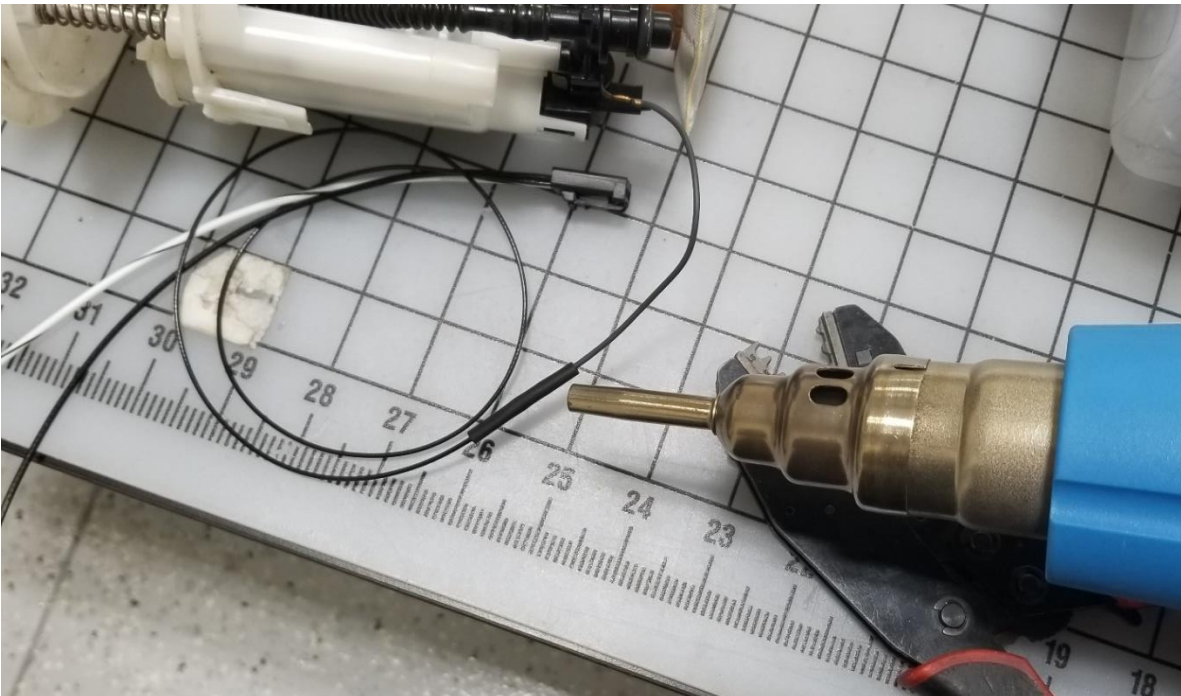
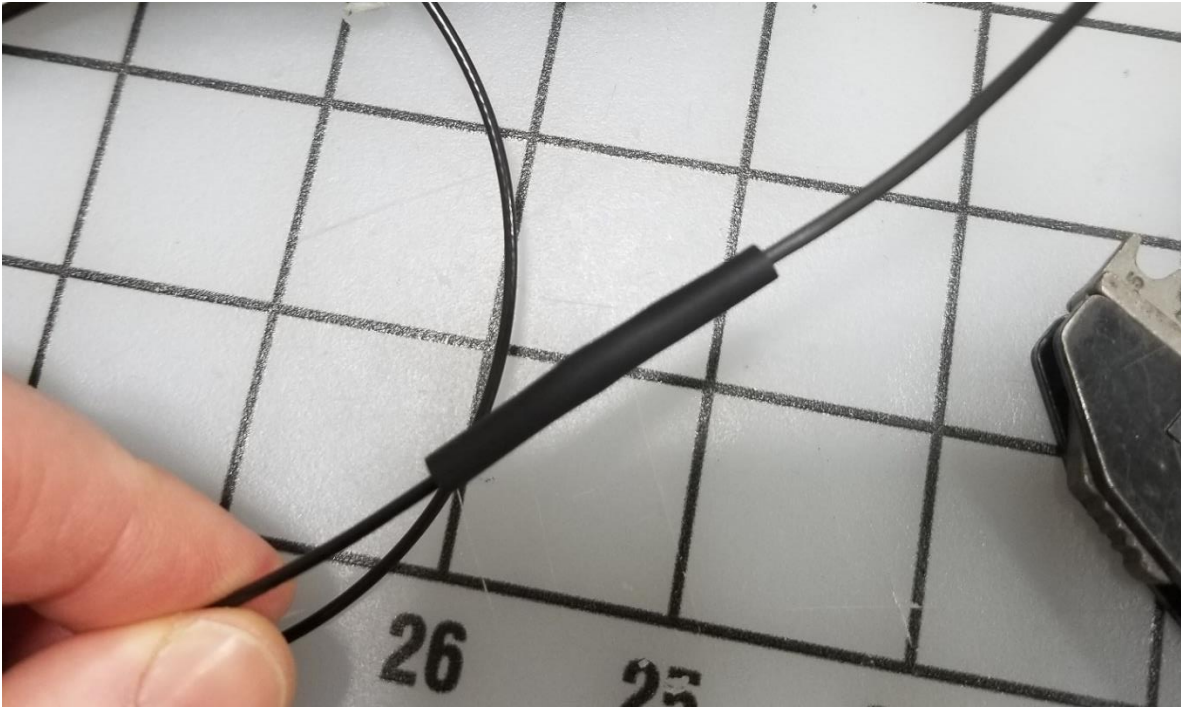
08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Place crimp on exposed wire and crimp down.



08+ Fuel Tank Bypass Guide for iWire FPC Hardwire Kit

Slide shrink tube over and heat.



Congratulation, you have installed your bypass connector into your fuel pump assembly. Please return to the main Fuel Pump Controller Hardwire Kit install guide to finish your install. If you have any questions, please feel free to contact us.