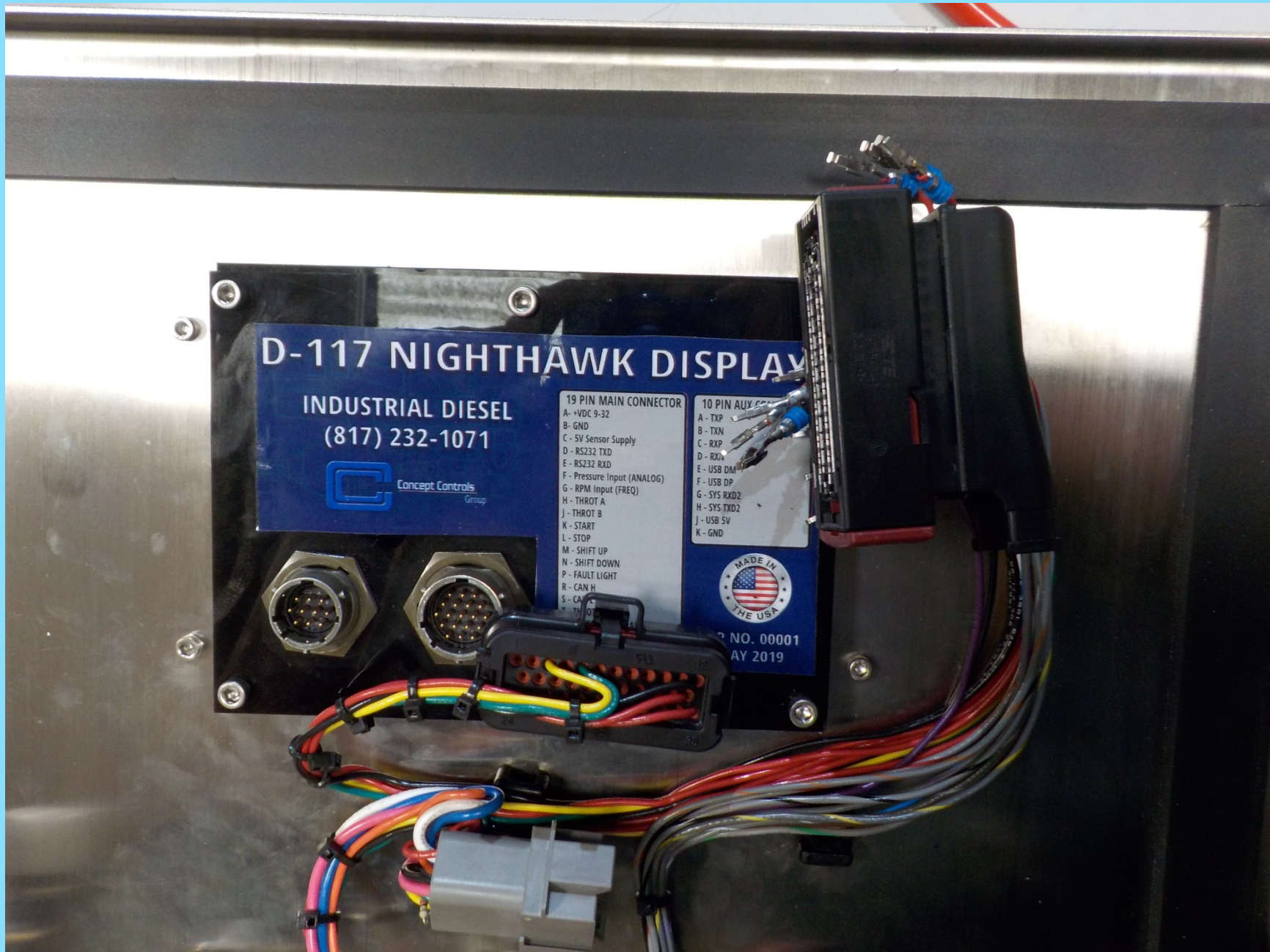


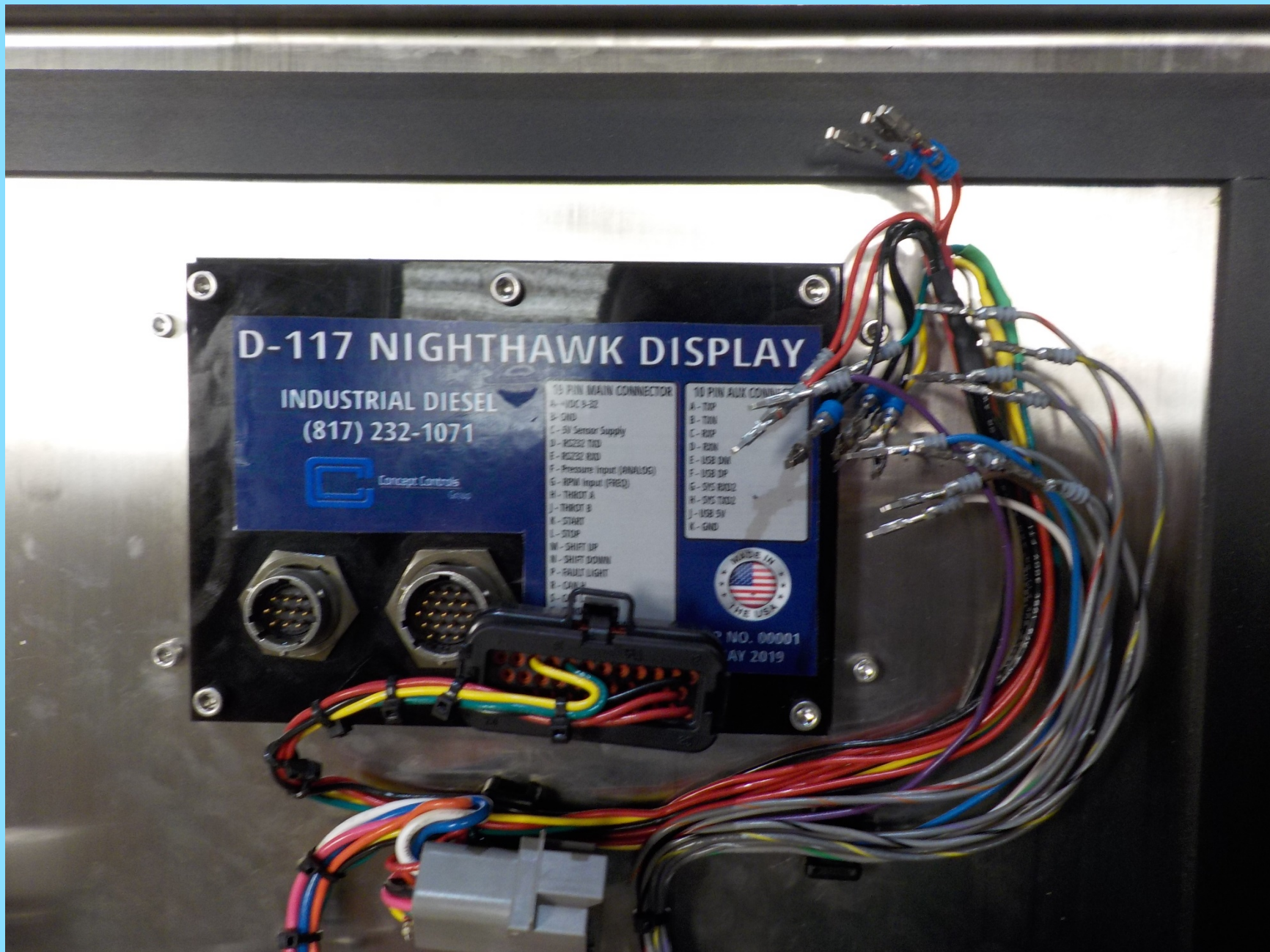
HOW TO CONVERT TO NEW DISPLAY



D-117-NIGHTHAWK Display



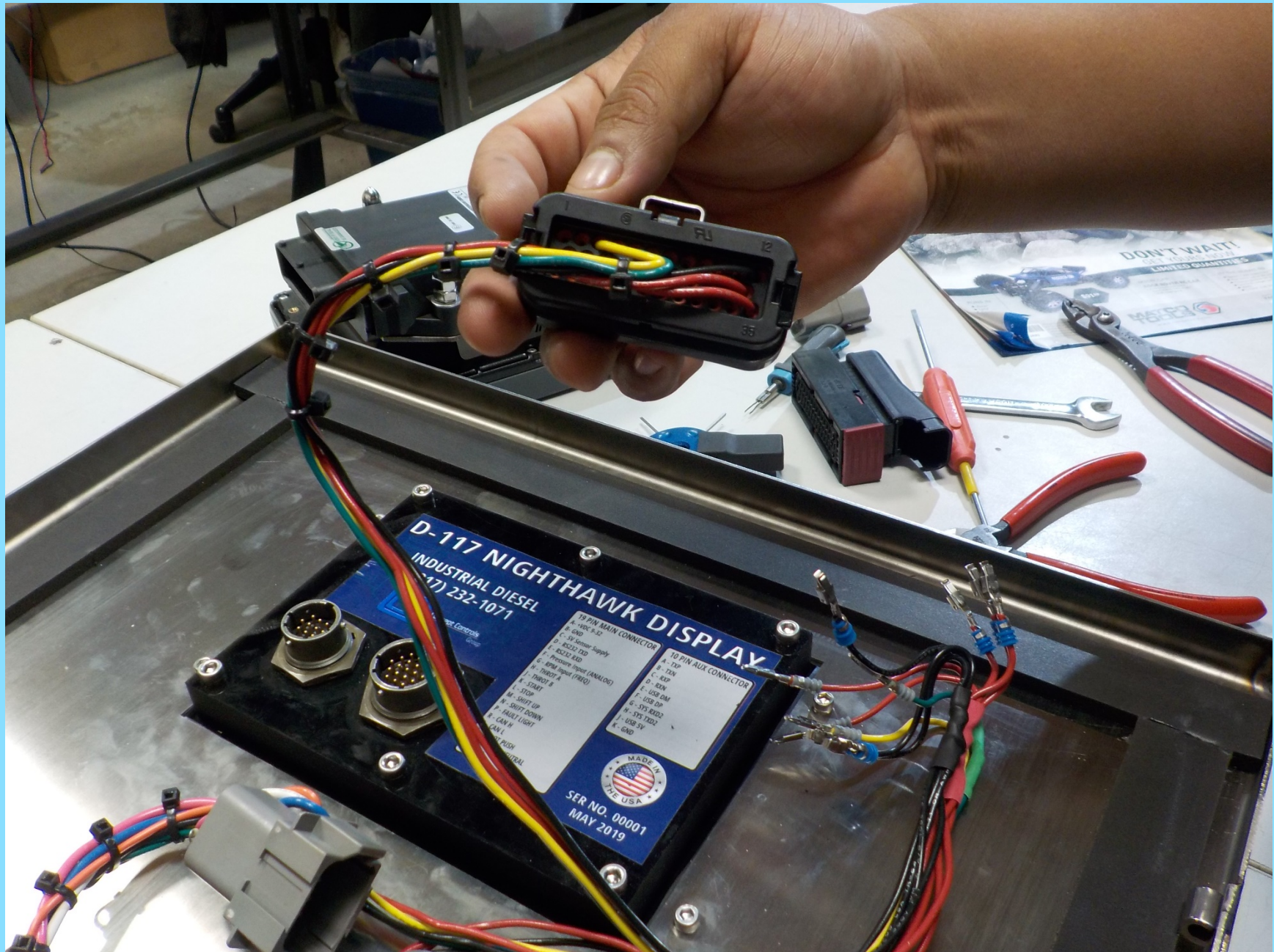
Bolt on the D-117-NIGHTHAWK Display in place of the old Grayhill Display.



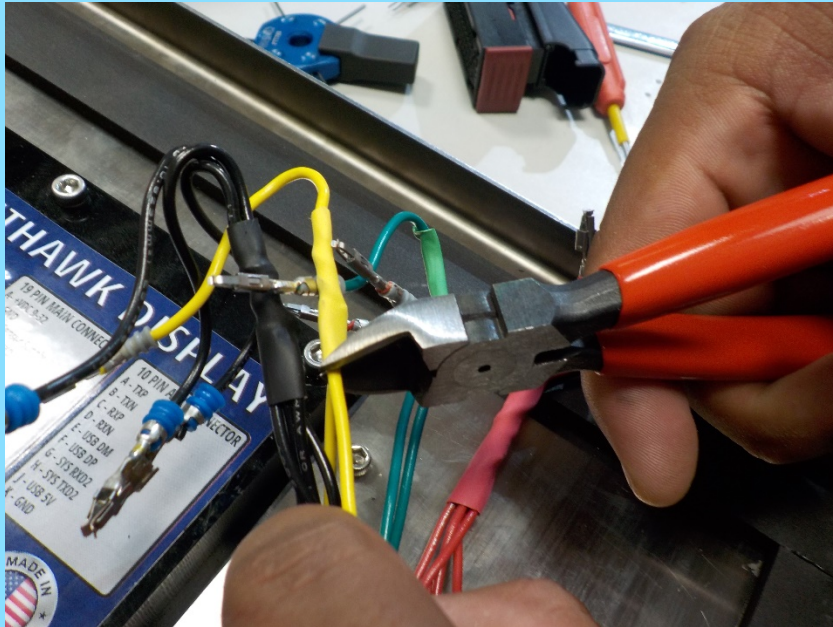
Remove the STW IOXP Connector (10325).



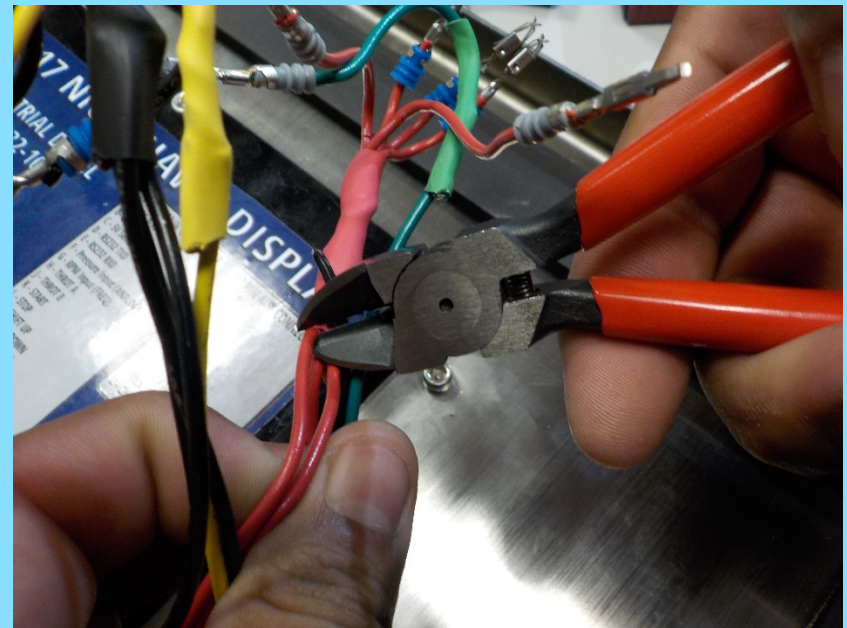
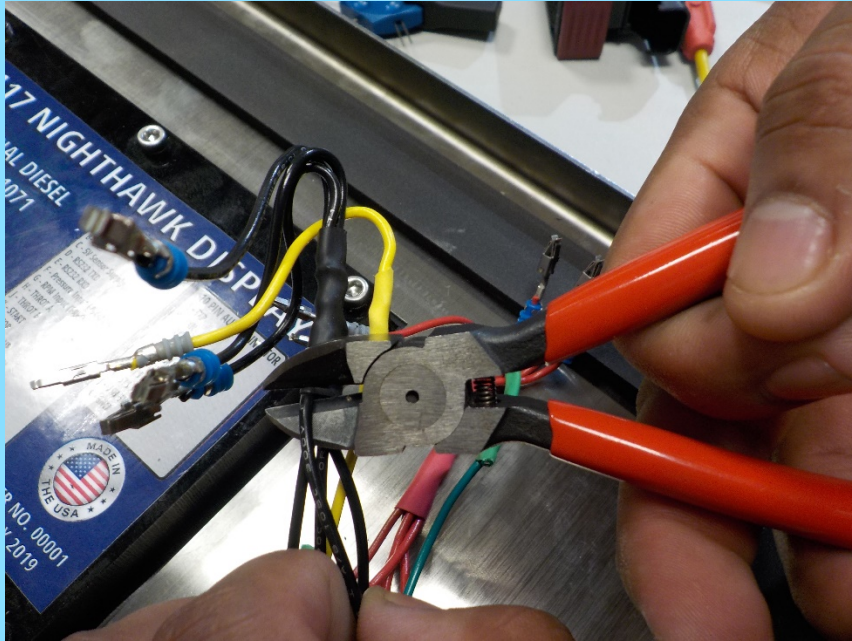
Separate powers, grounds, and CAN wires from the rest of the wires.



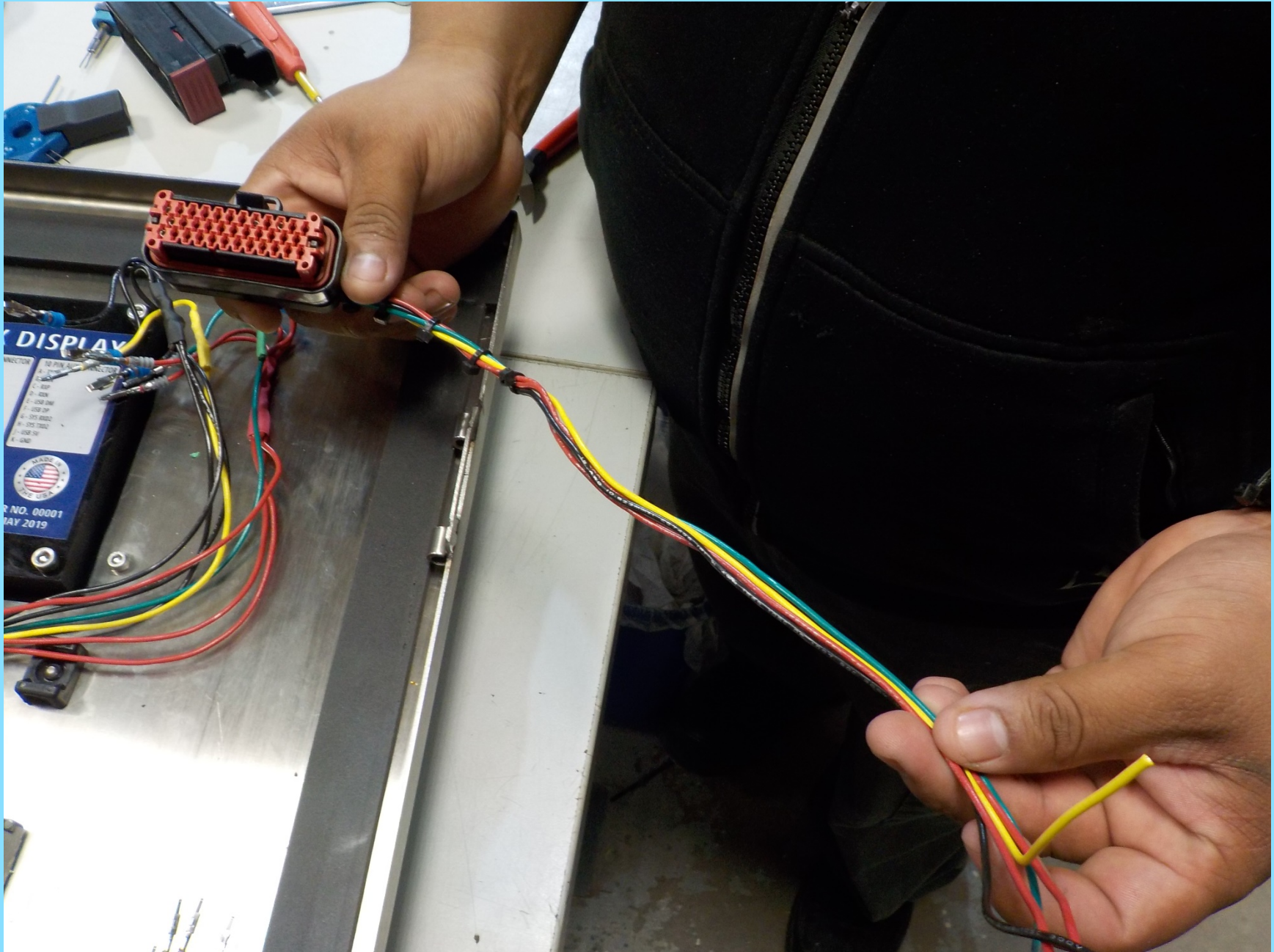
Old Display connector (571-776164-1) with powers, grounds and CAN wires.



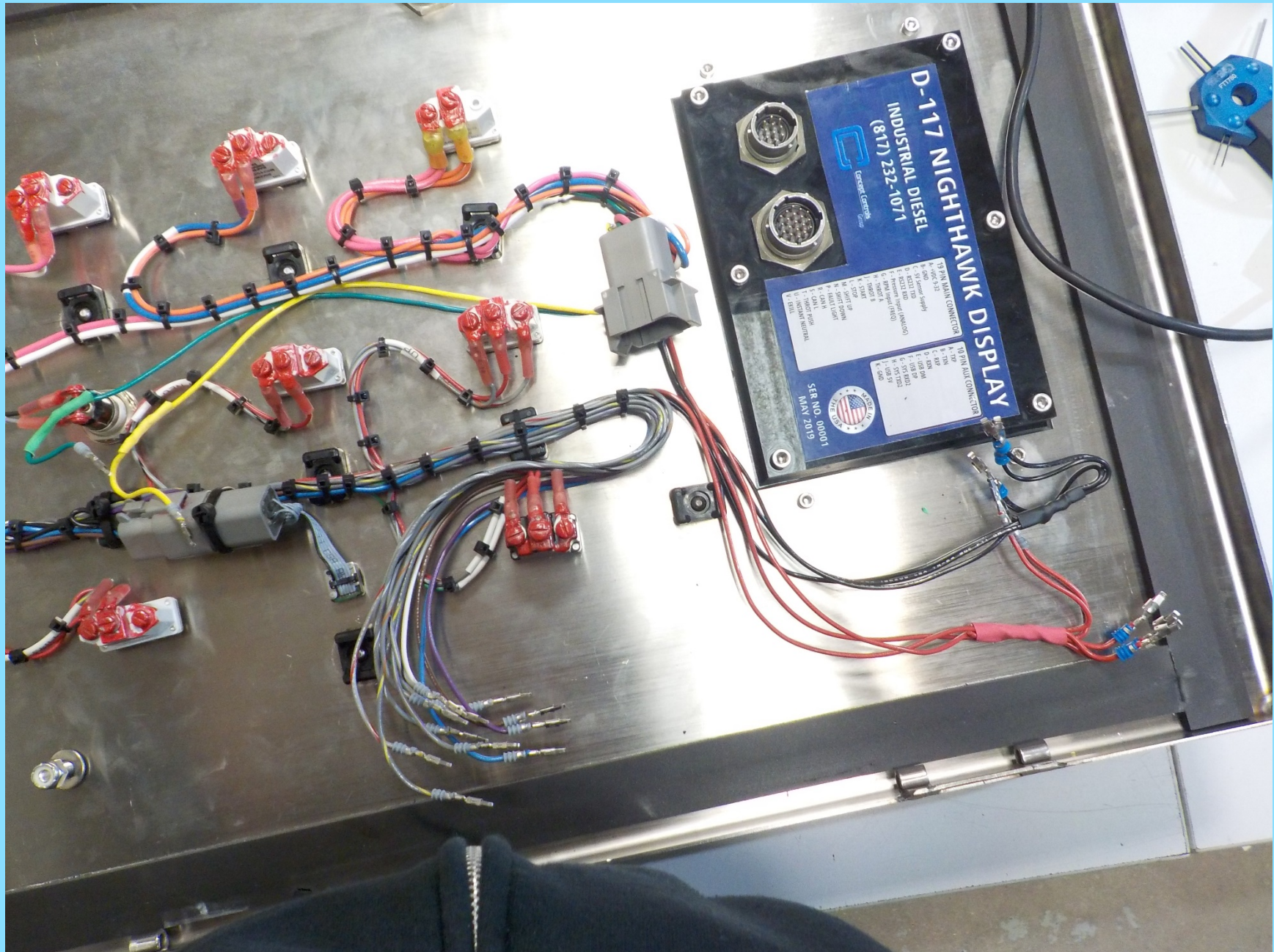
From the old display connector, follow the CAN wires down to the splice and cut the wires.



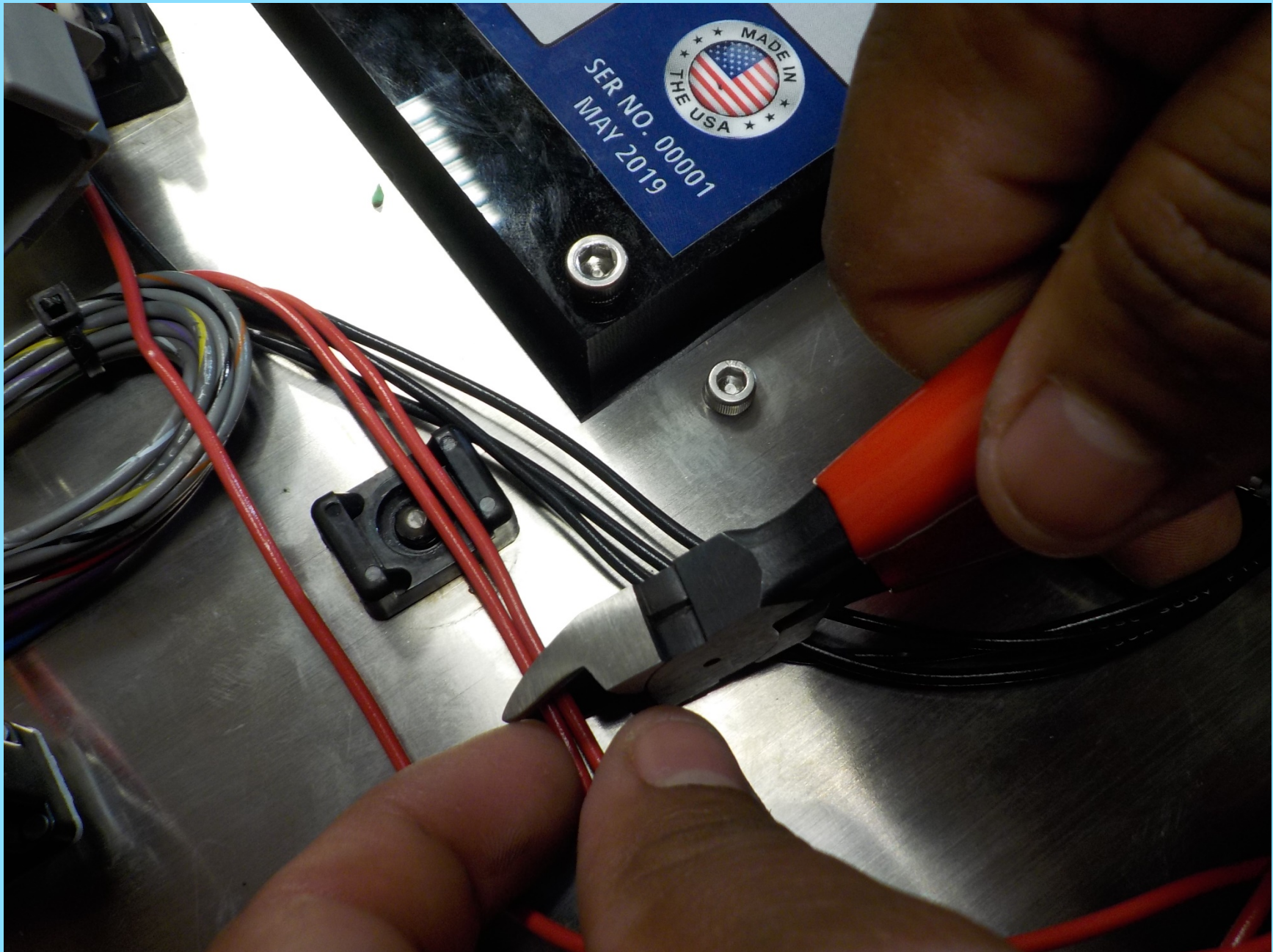
Do the same thing for the ground wire and power wire coming from the display connector.



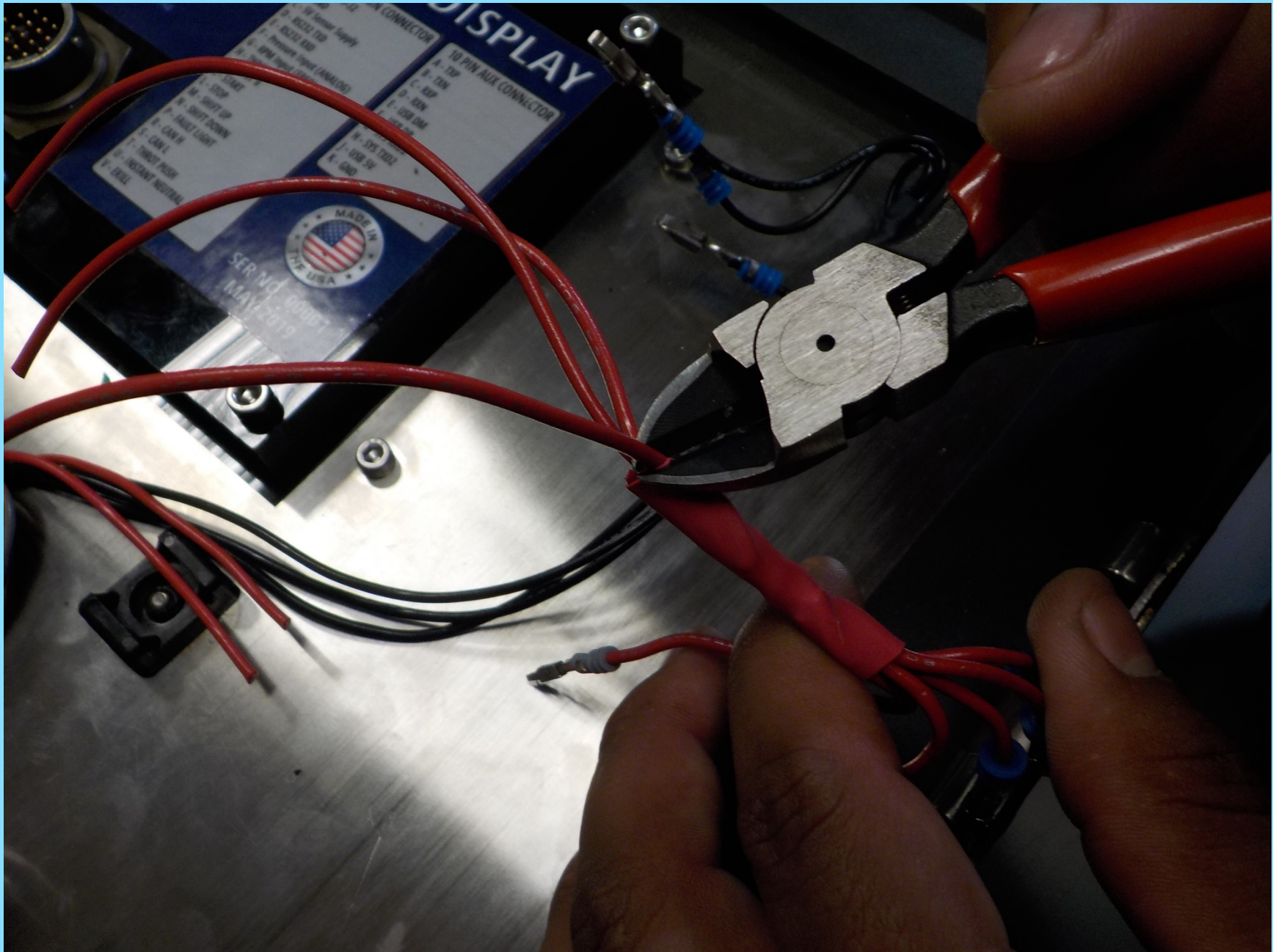
Discard the Old Display connector and wires going to it.



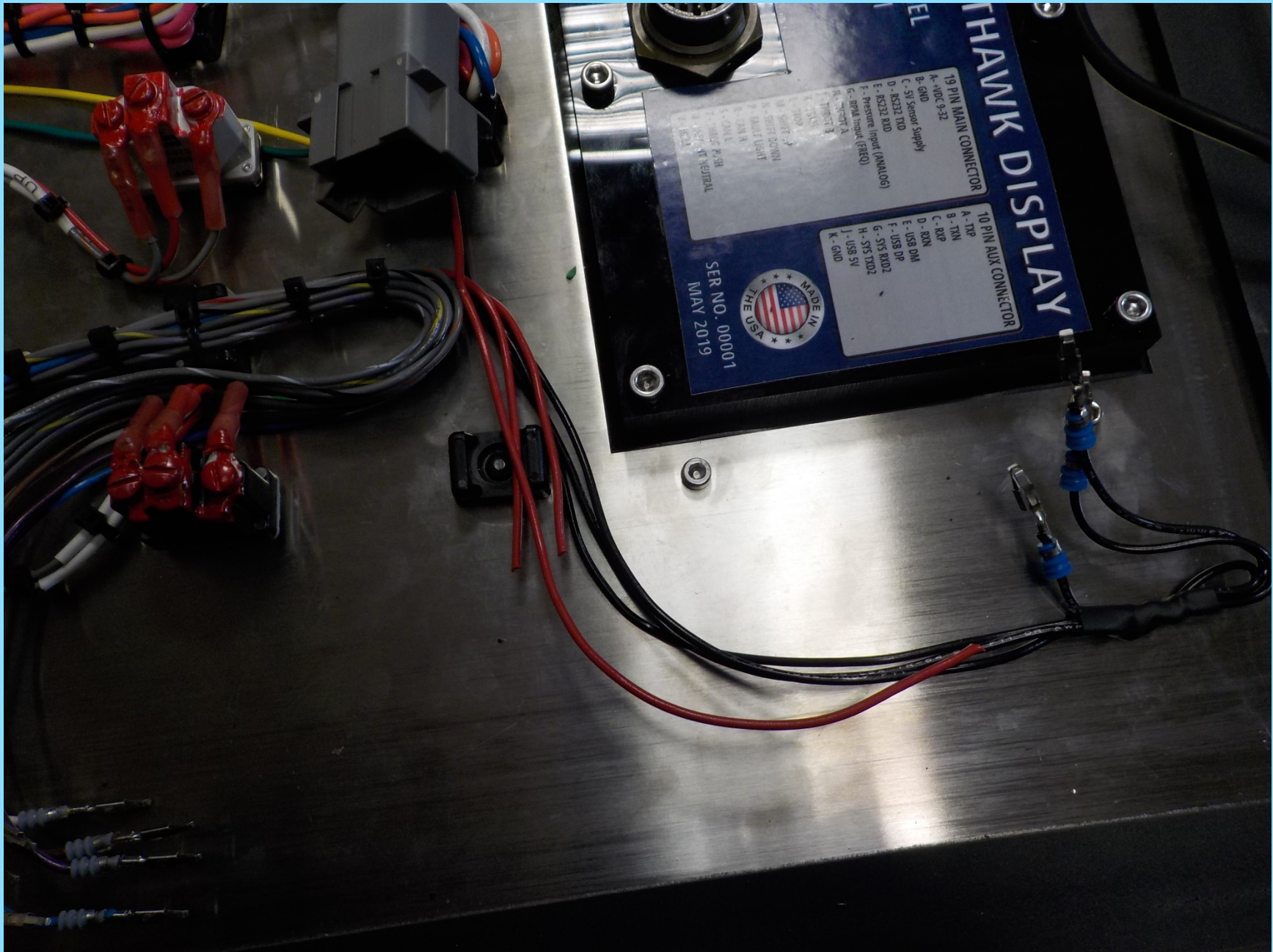
Separate the rest of the powers (red wires) and grounds (black wires) from the CAN (green and yellow) wires.



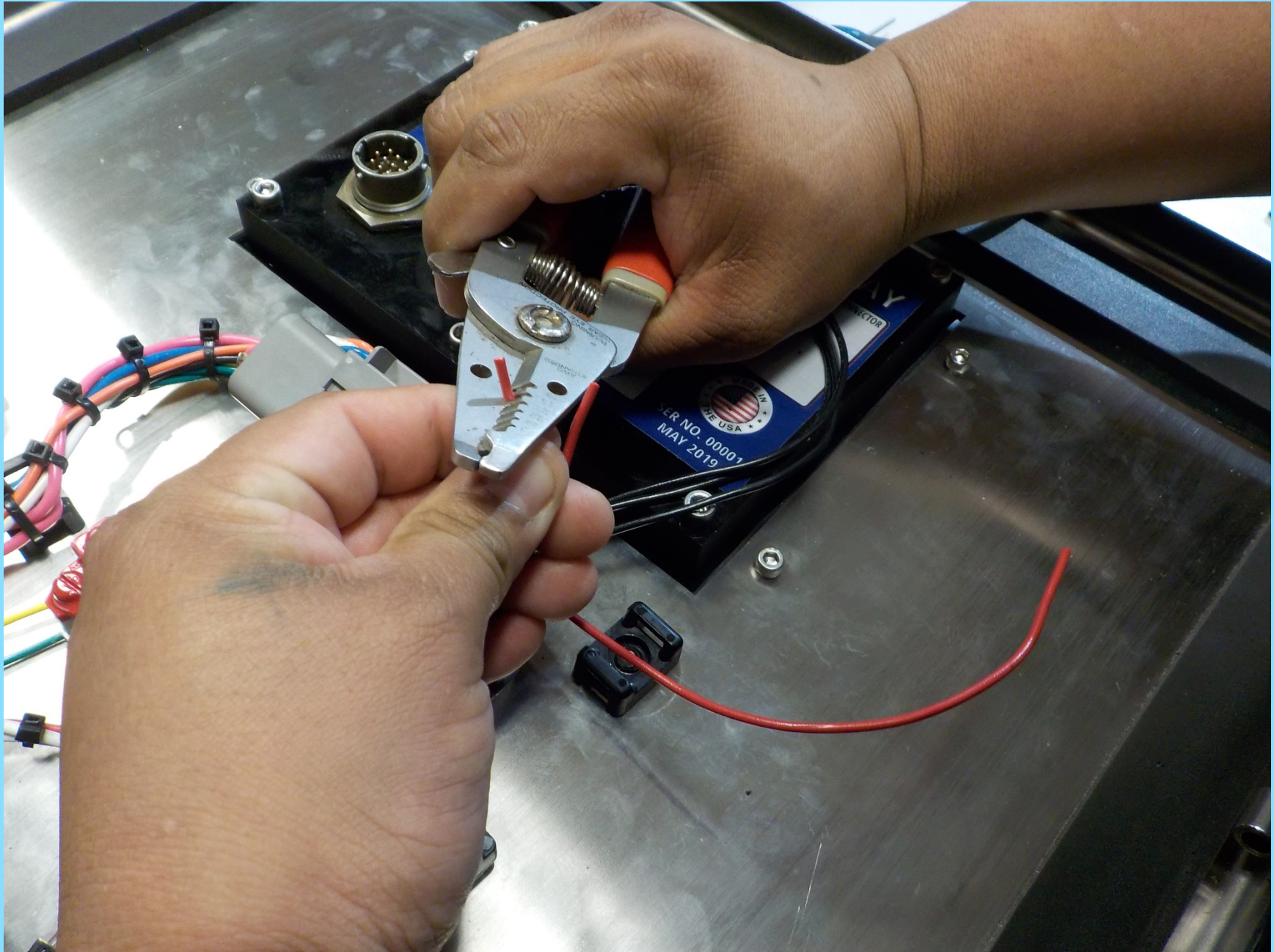
Cut the red wires coming from the switches a little passed the black zip tie holder.



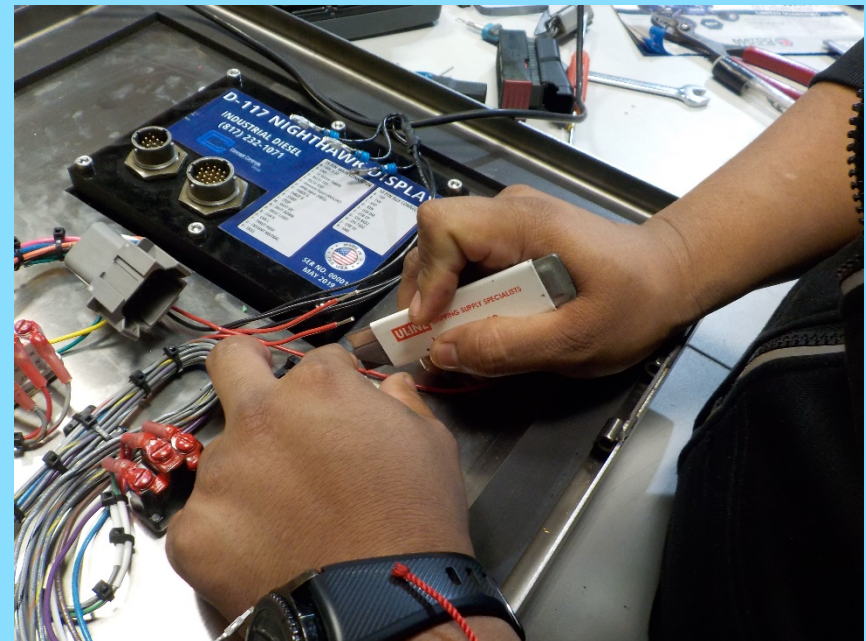
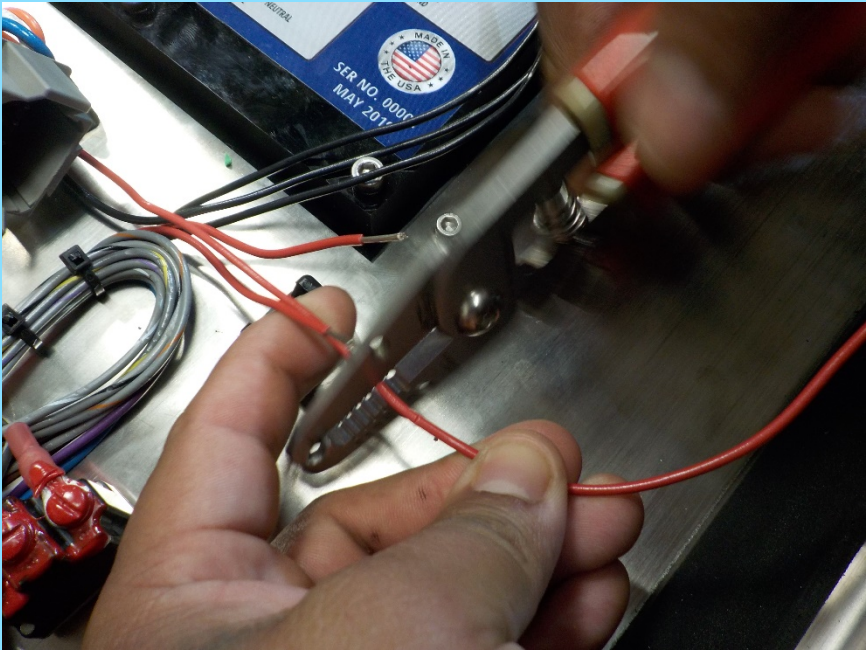
Cut the red coming from the 8-pin connector at the splice point.



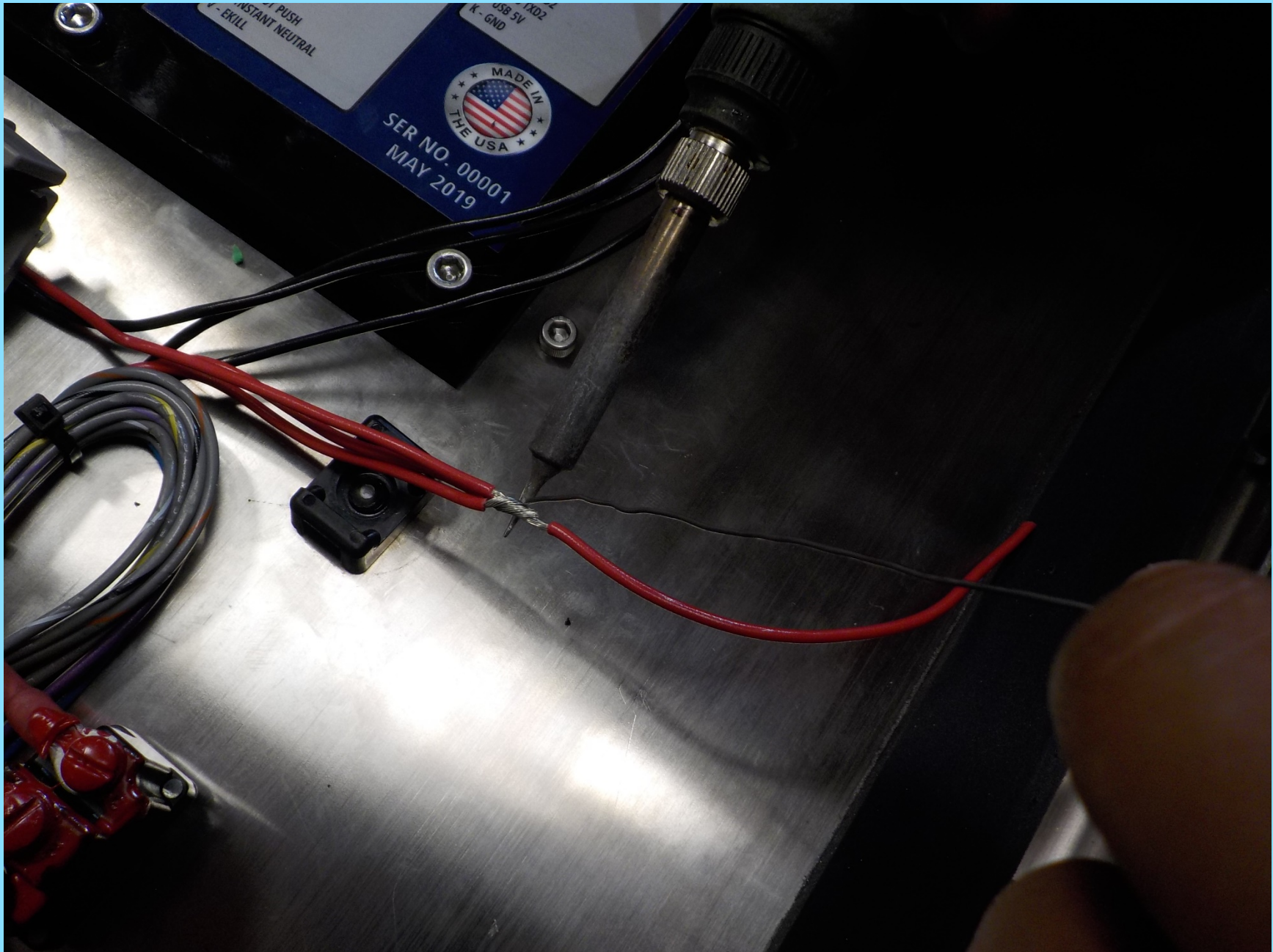
Red wires should look like this after they are cut.



Strip back the short red wires.



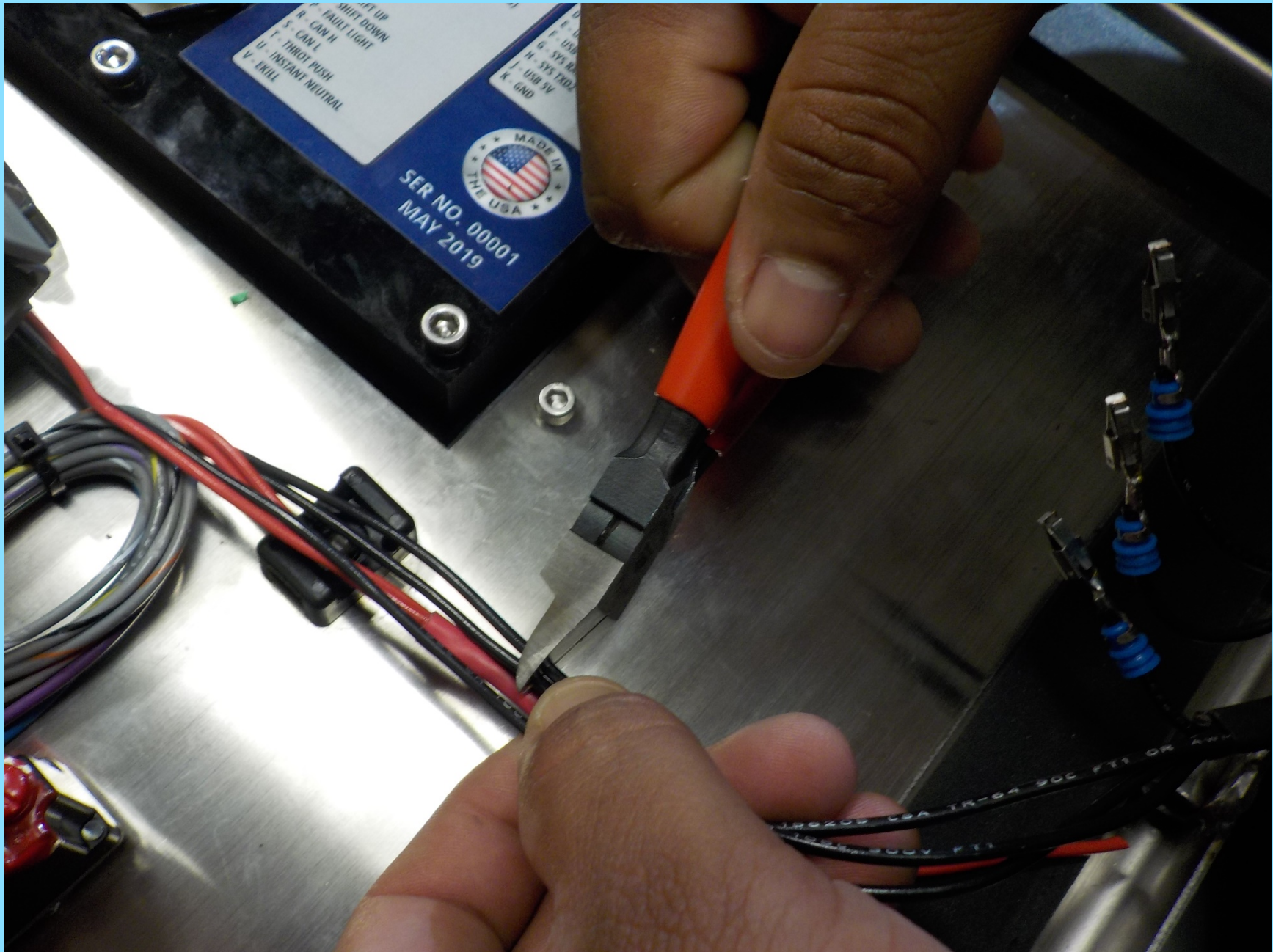
Cut a spot for a window splice where the short red wires are.



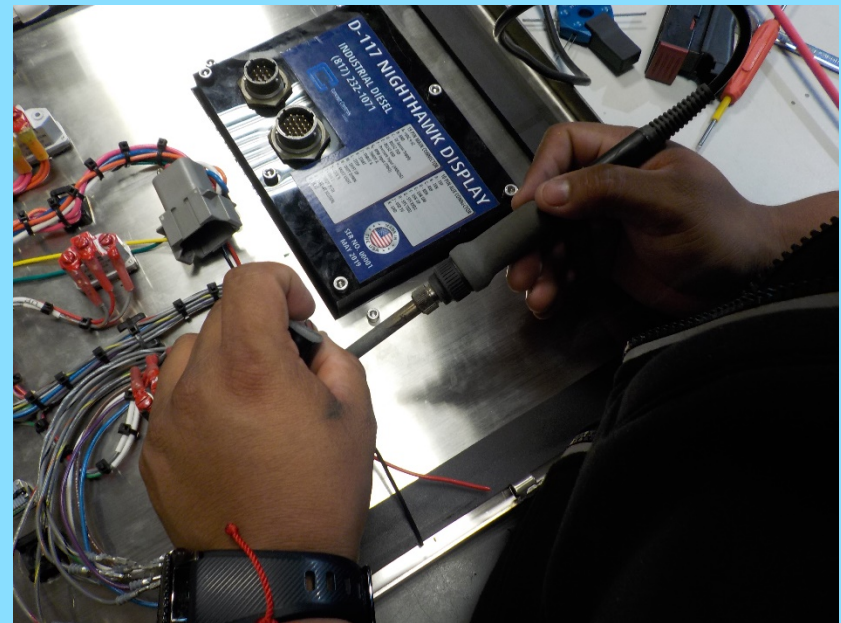
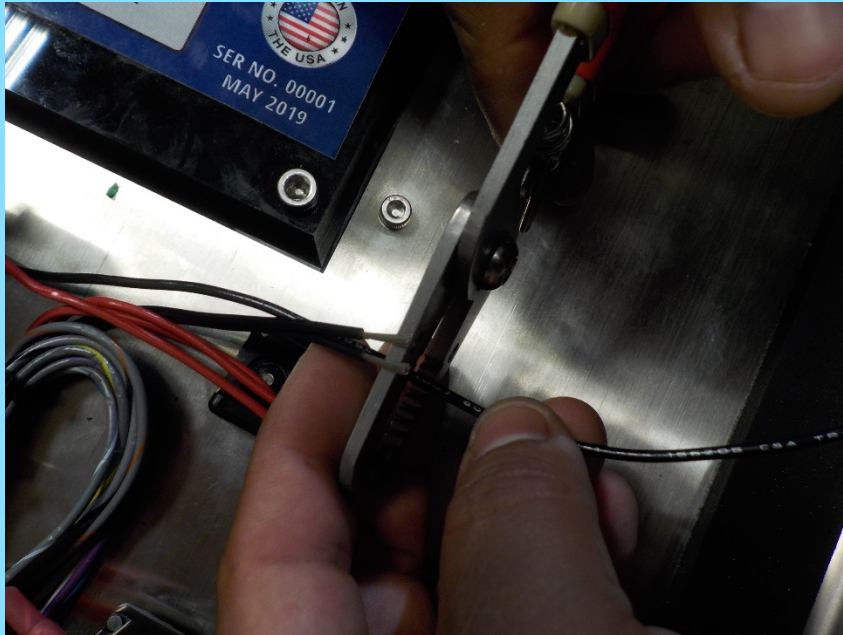
Window splice and solder the short red power wires into the long wire.



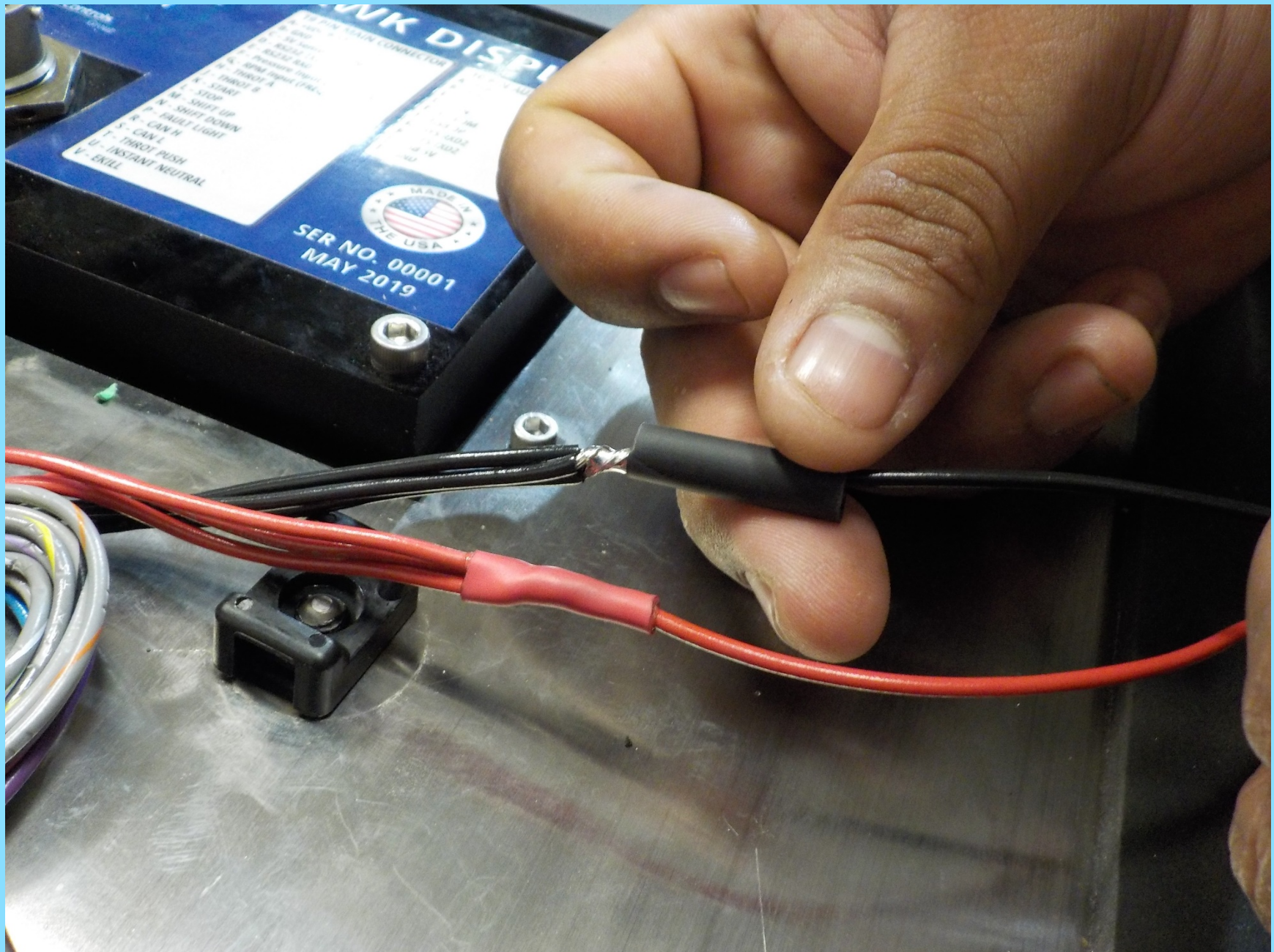
Slide on some heatshrink to protect the window splice.



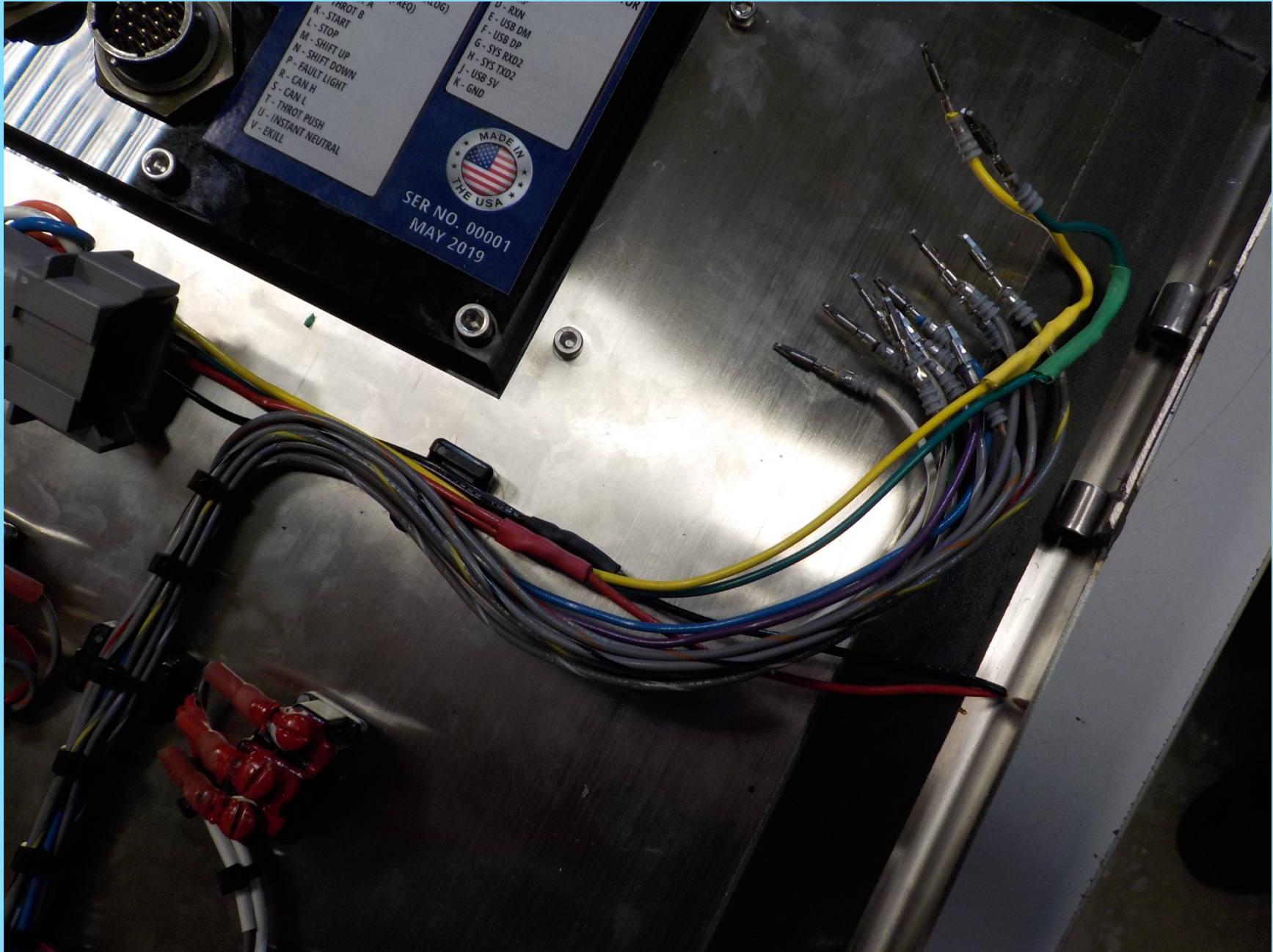
Cut the black ground wires coming from the switches at the same spot as the red wires and cut the black coming from the 8-pin at the splice area just like before.



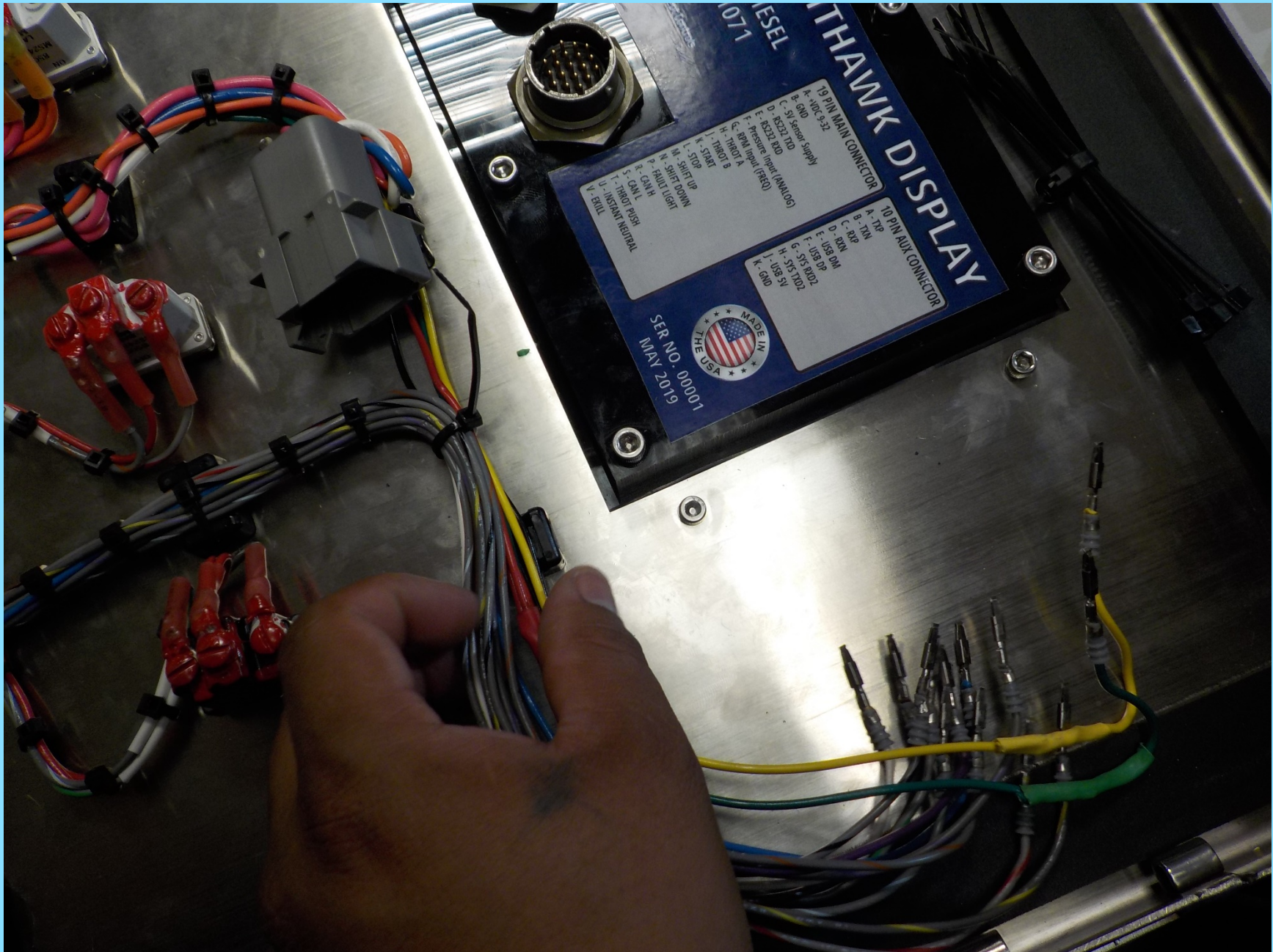
Cut a window splice near the same location for the black ground wires and solder the window splice together.



Add heat shrink to protect the splice area.



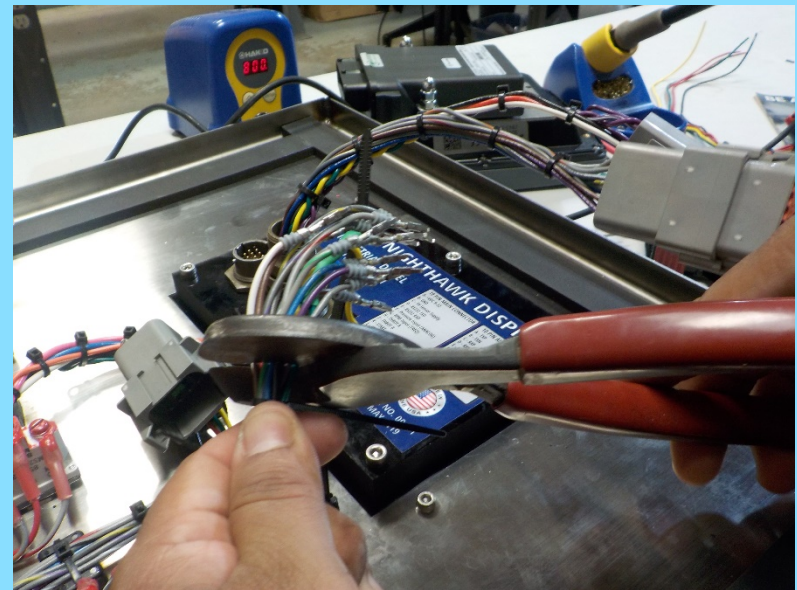
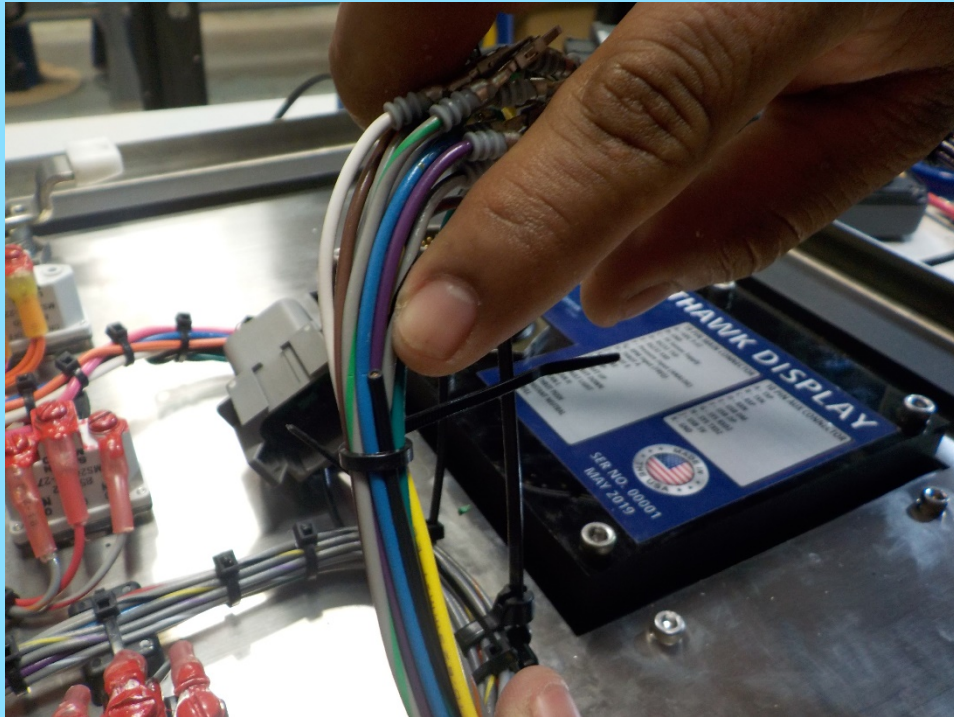
Group all the wires back together.



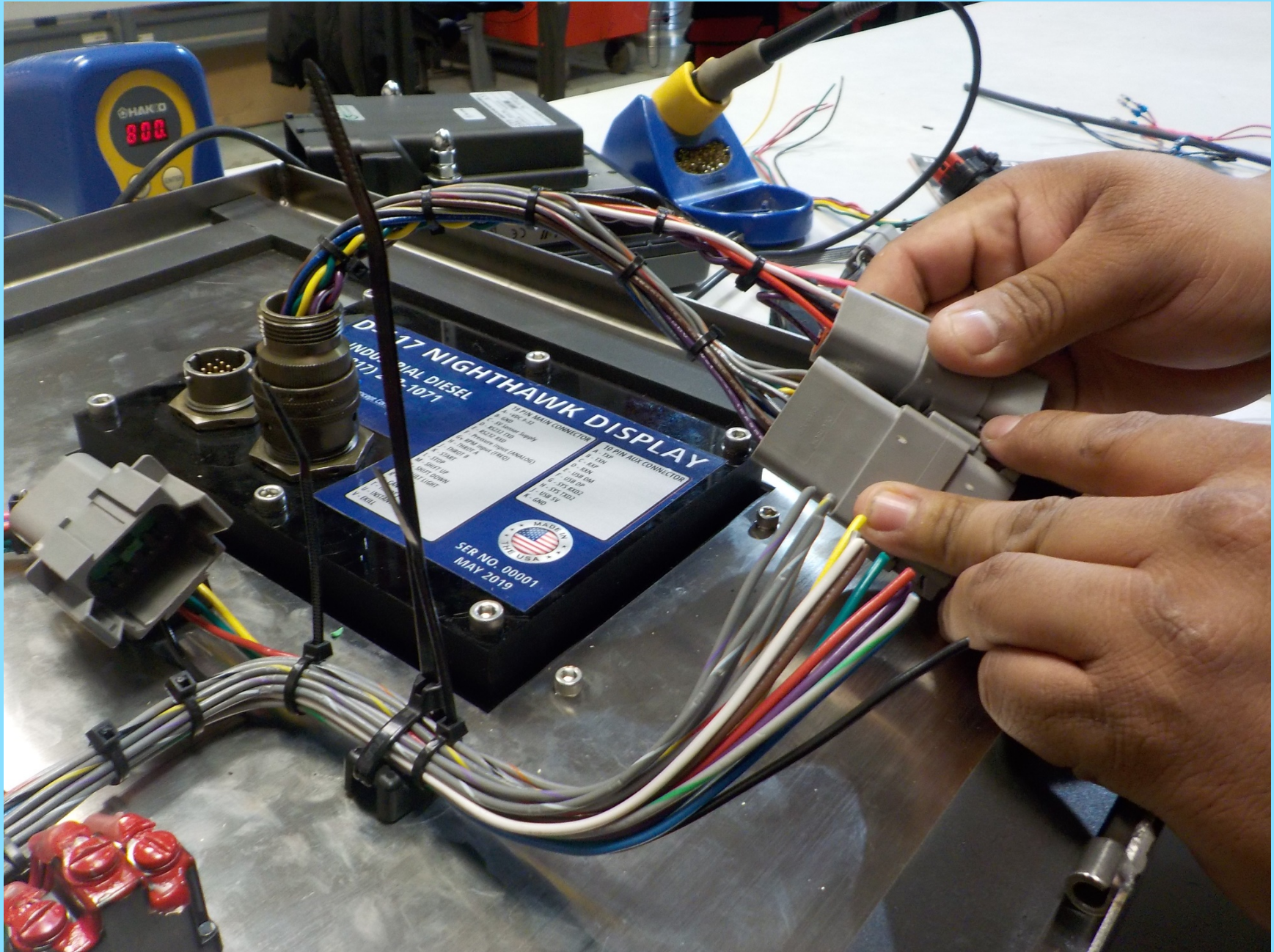
Zip Tie the wires back together.



Plug the pigtail (D-117-PIGTAIL) into the back of the Display.



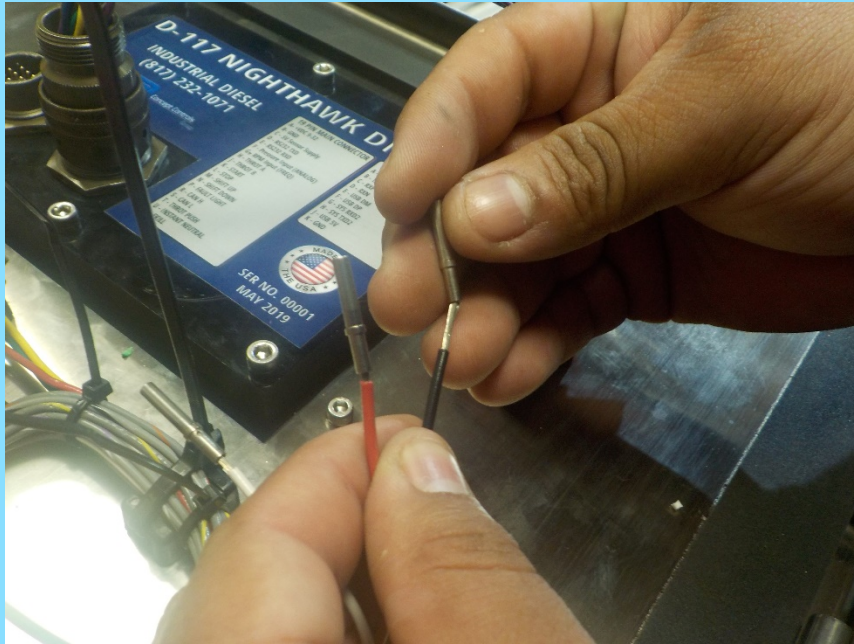
Cut the wires down evenly at the smallest wire length.



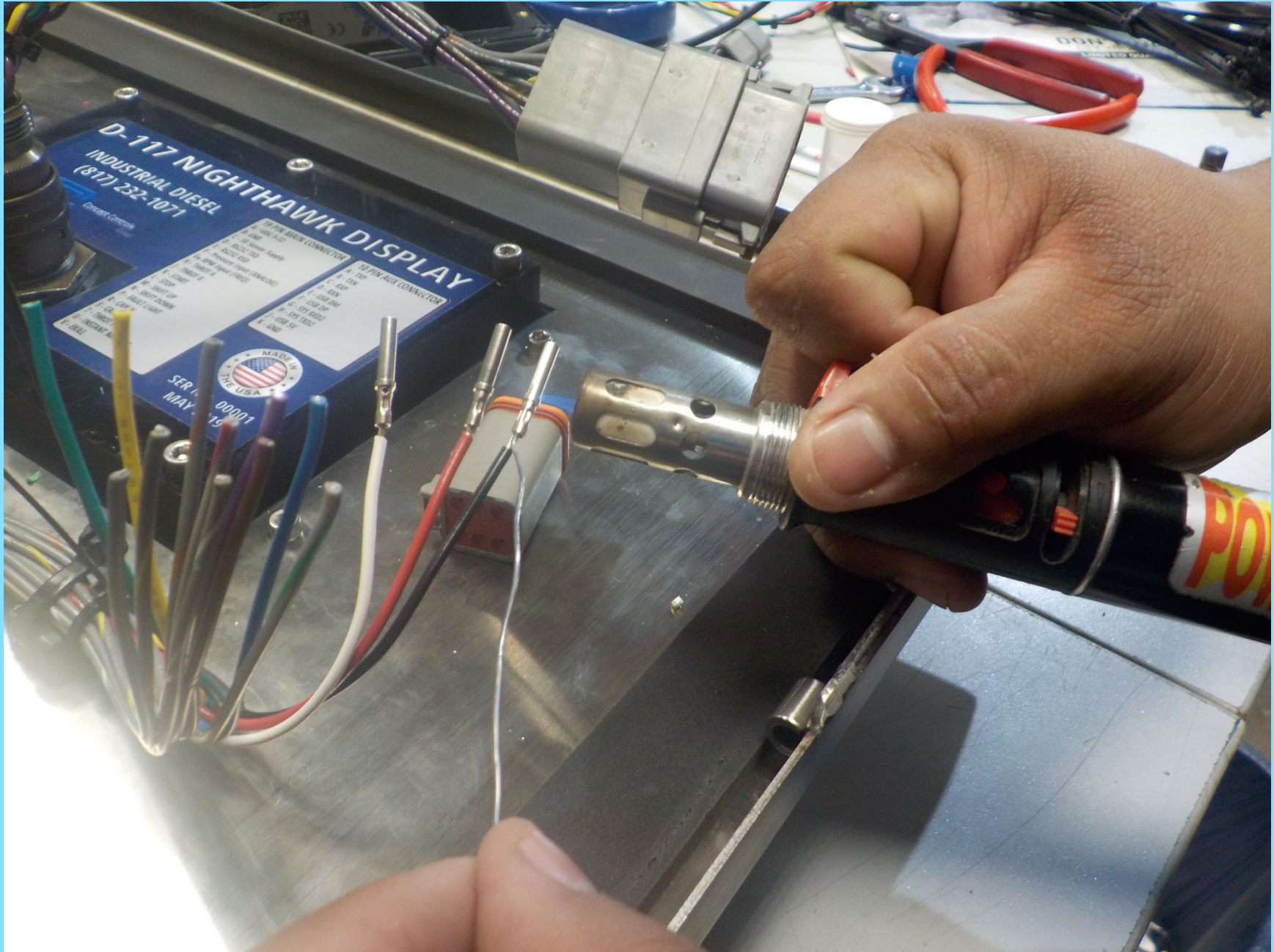
With all the wires cut evenly, there should still be plenty to connect to the pigtail.



Strip all the wires back enough to add sockets.



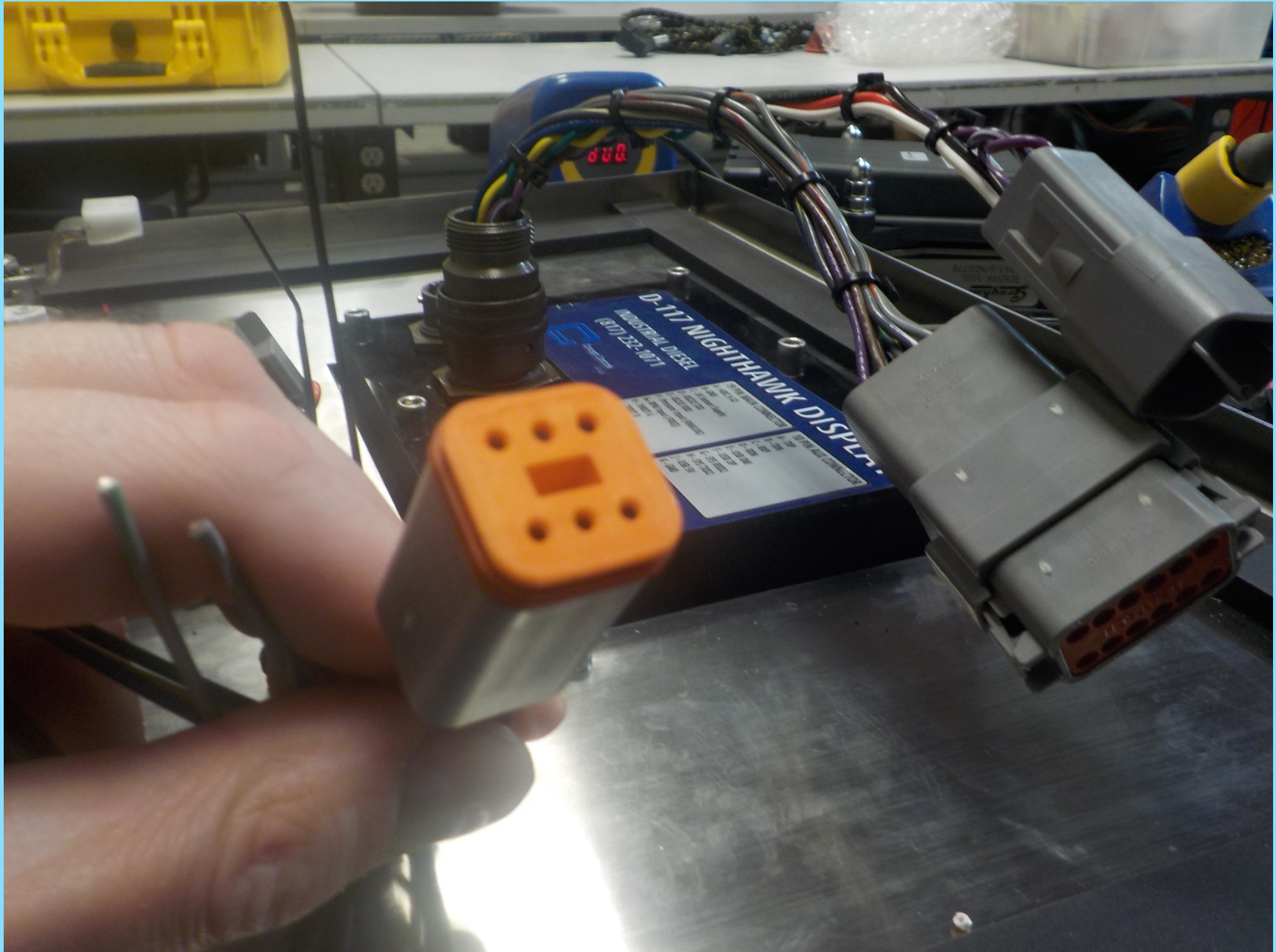
Crimp 16AWG sockets (0462-201-16141) onto each wire.



Solder the crimped contacts to the wire.



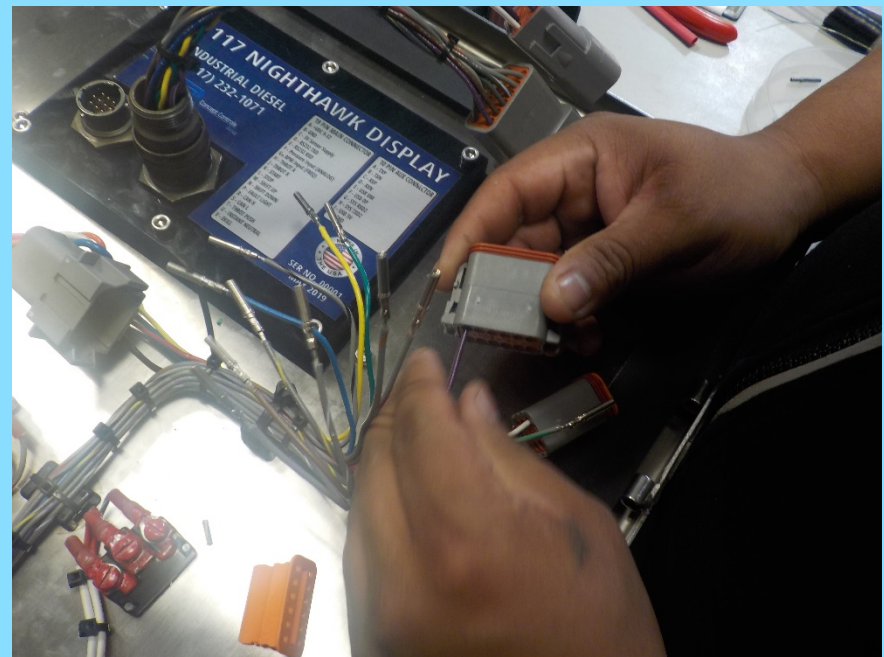
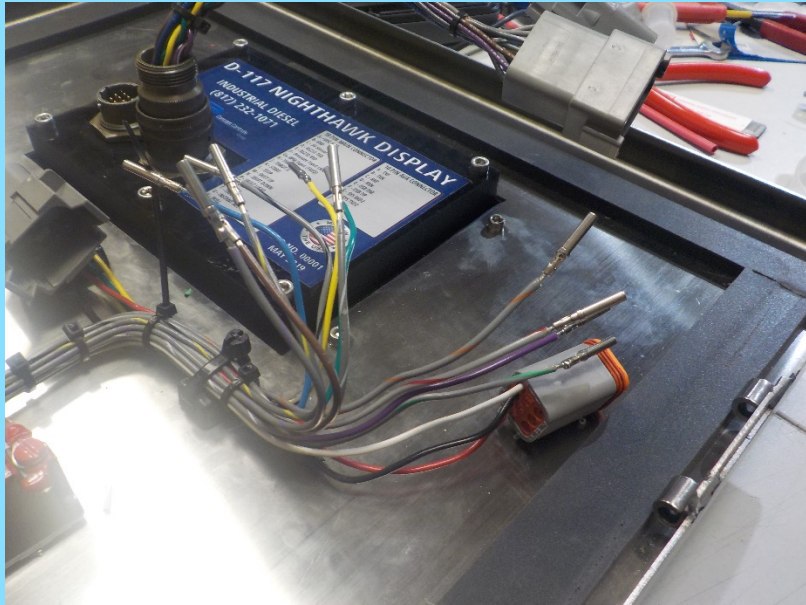
Red, Black, and White wires go to 6 socket DT Connector (DT06-6S). red-1, black-2, white-3.



Add 6 socket wedgelock (W6S).

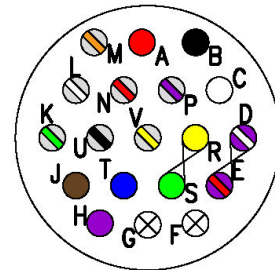
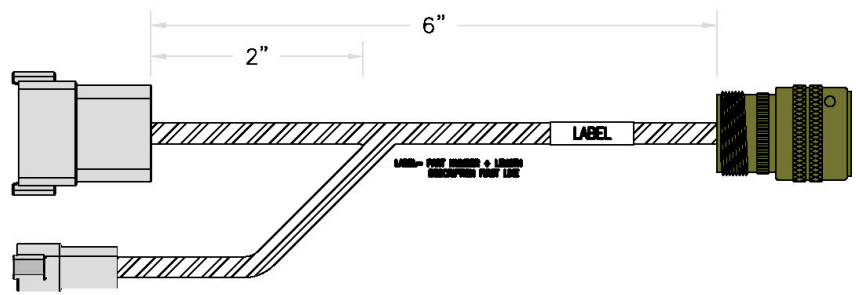
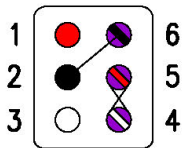
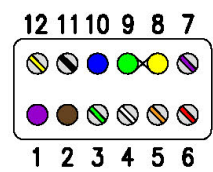
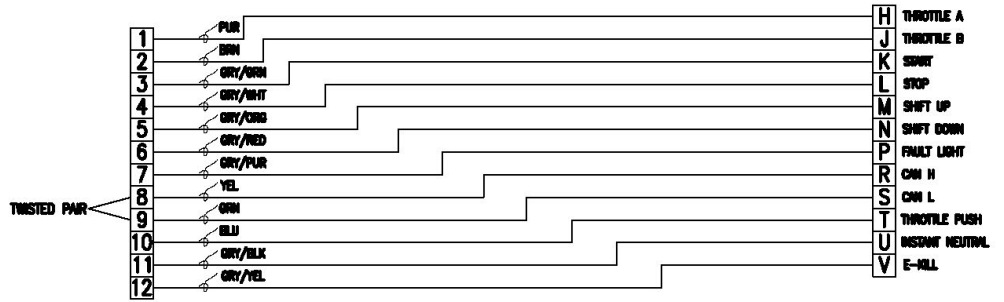
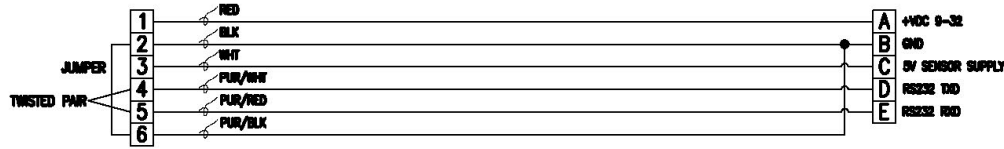


12 Socket Connector (DT06-12SA) and Wedgelock (W12S).



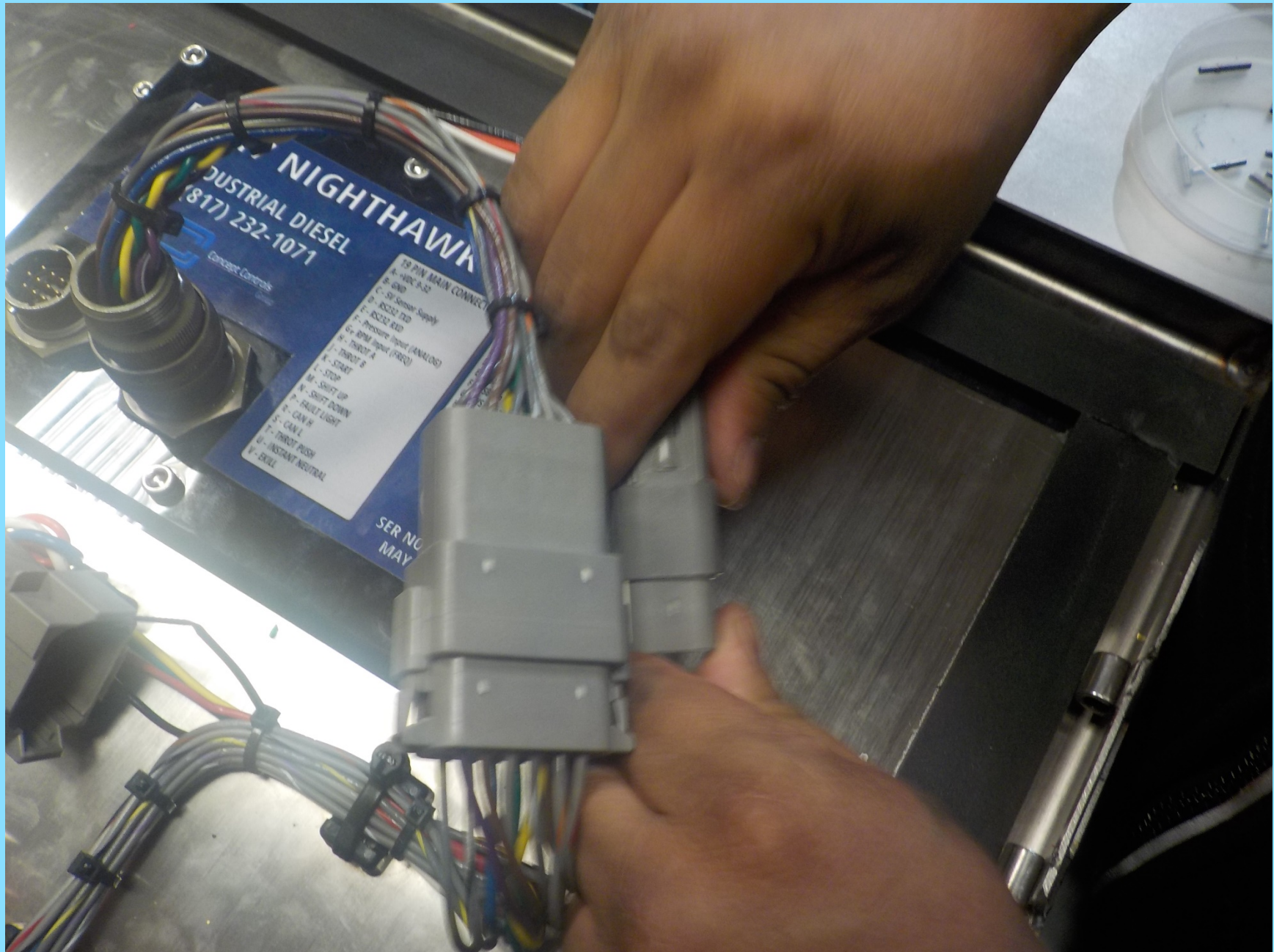
The rest of the wires will go into the 12 soc DT connector according to the plug map on the next page.1

D-117-PIGTAIL

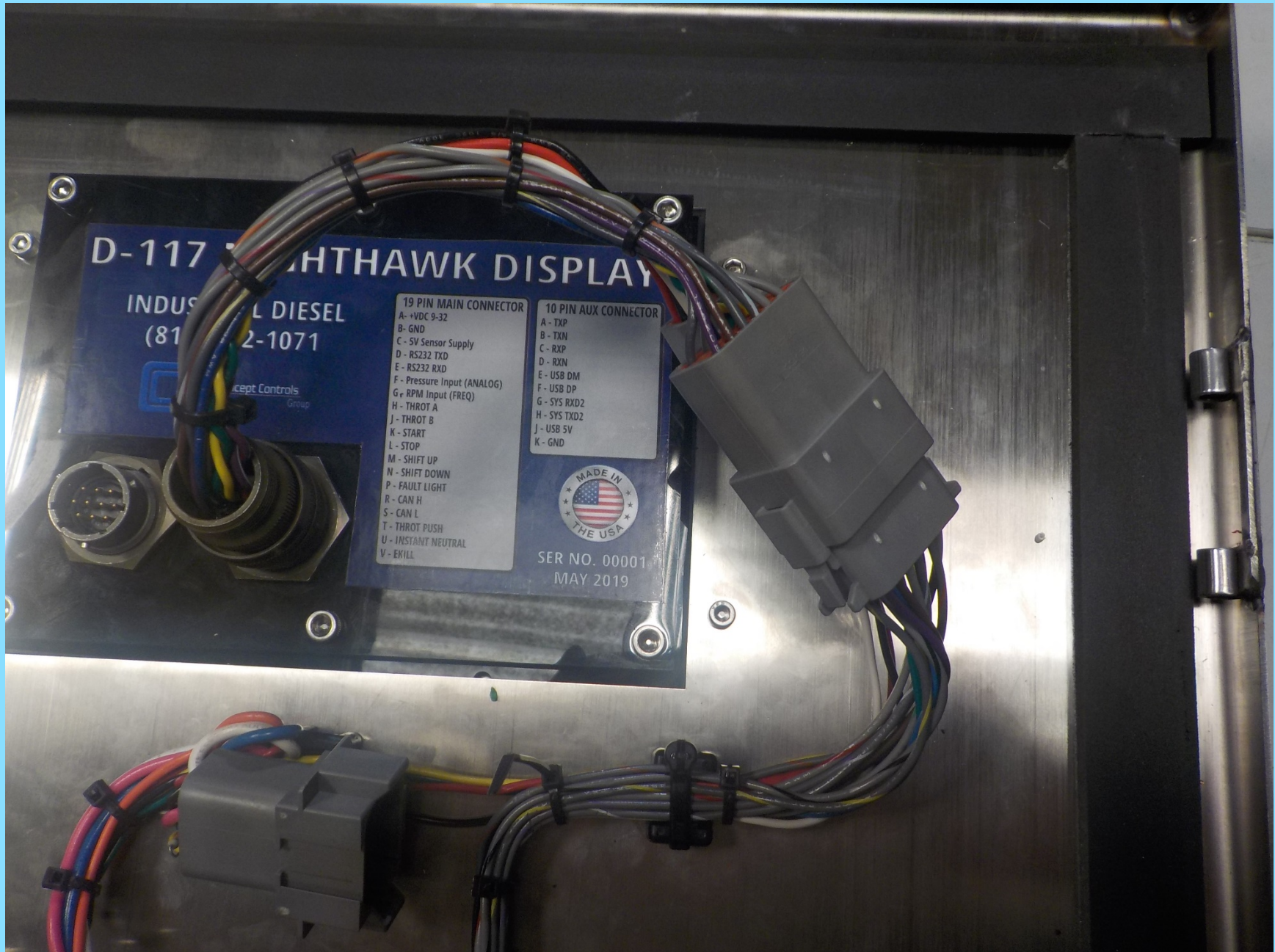


| CONNECTOR #1 | DESCRIPTION | WIRE | CONNECTOR #2 |
|---|---|---------|------------------------|
| CONNECTOR: DT04-12PA WEDGELOCK: W12P CONTACTS: 0480-202-16141 | D-117-PIGTAIL PIGTAIL FOR CONVERTING TO D-117-NIGHTHAWK | 6" LONG | CONNECTOR: PT06A14-19S |
| CONNECTOR: DT04-0P WEDGELOCK: W8P CONTACTS: 0480-202-16141 | | | |

The wires are color coordinated so just match the colors.



Put the wedgelock in and connect the connectors from the wires to the pigtail.



The new display should now be connected to the system.