

Navigation speedlock override installation guide.

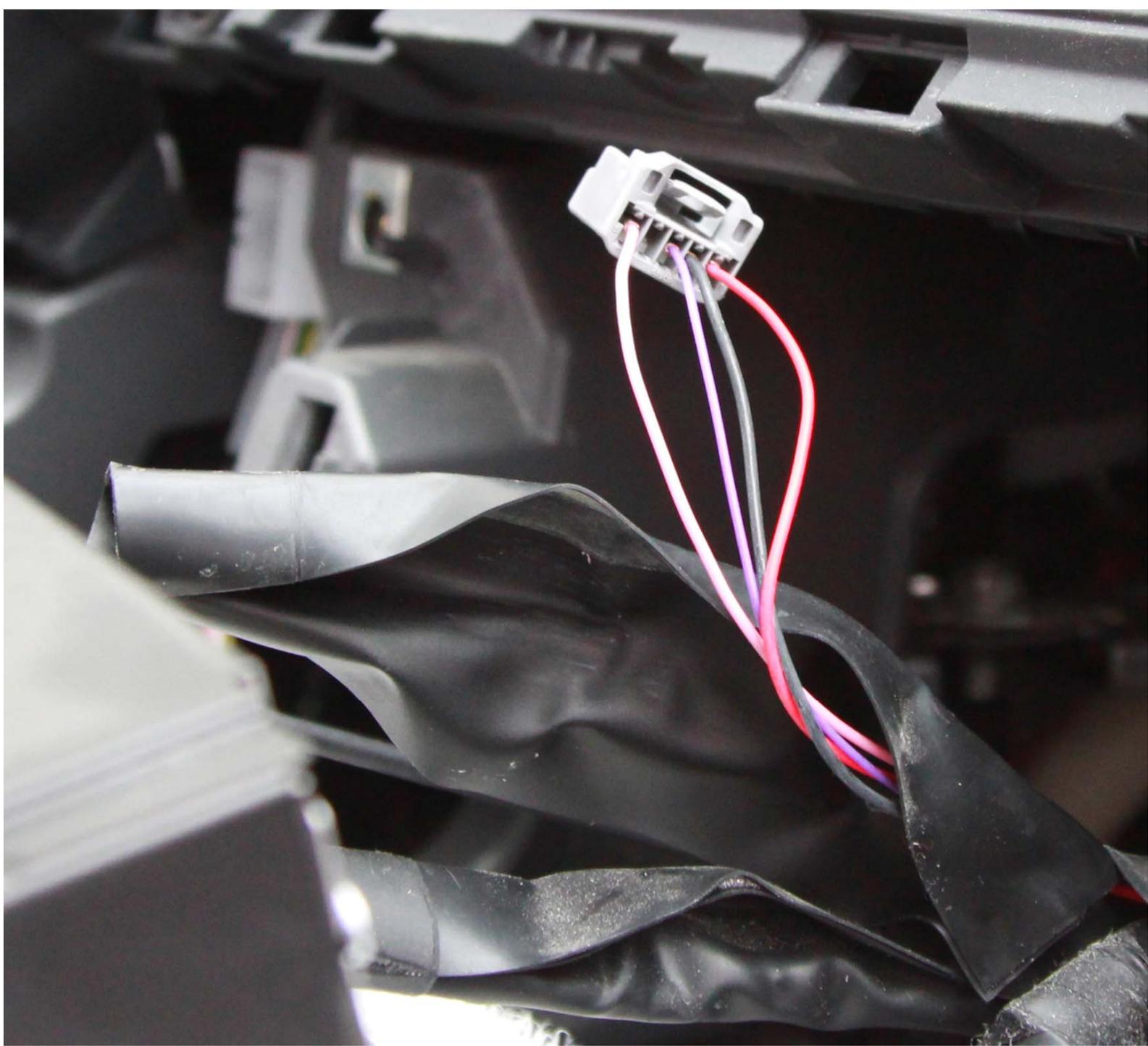
Dash disassembly

Remove the radio, the cigarette lighter panel under the center console bridge, side panels of the lower bridge toward the firewall, the lower glove box and the knee bolster panel (if you want to install the switch in the blank panels there).

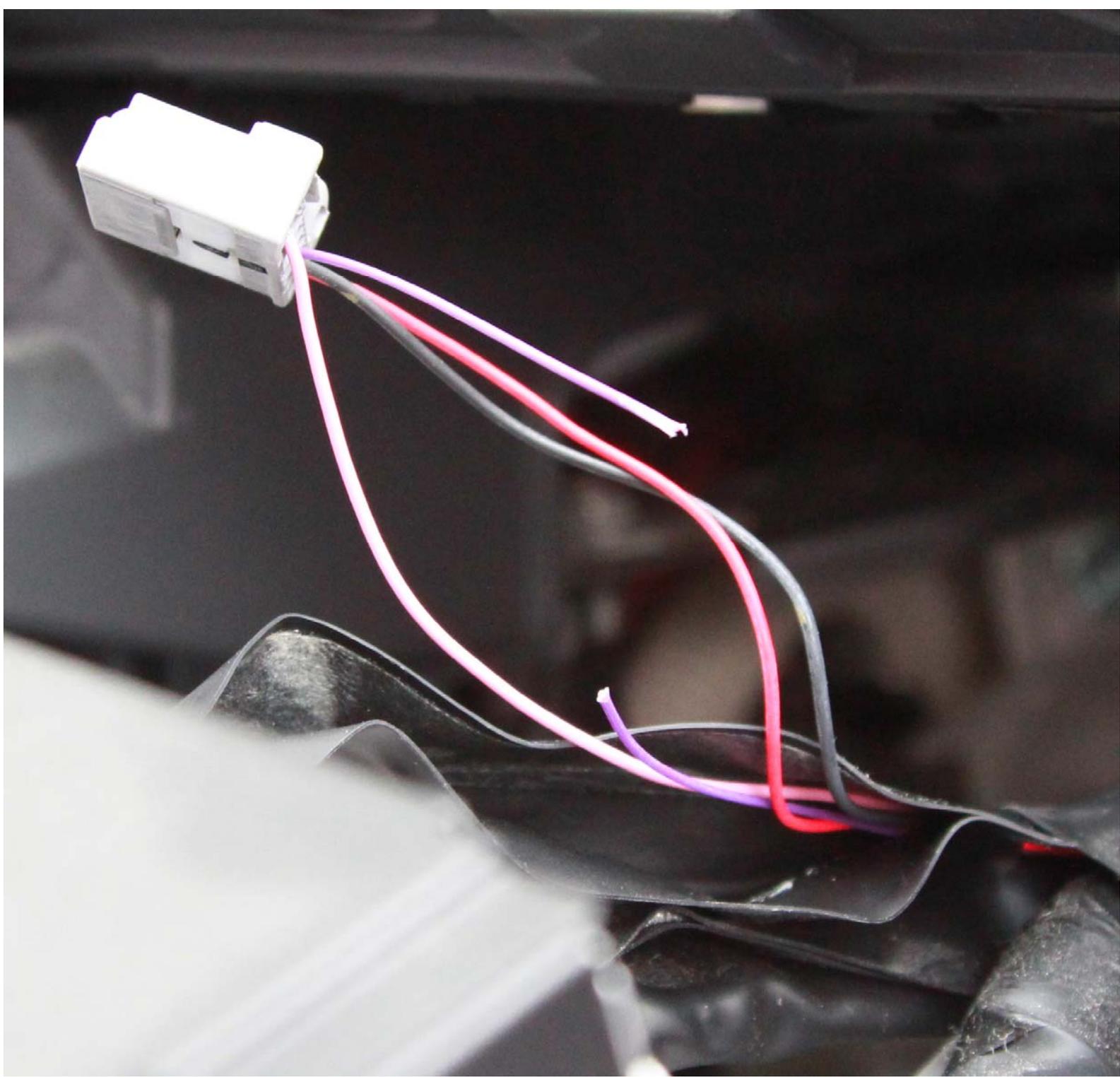
You can view this video on how to remove the radio. http://www.youtube.com/watch?v=i_QkeJLgM30



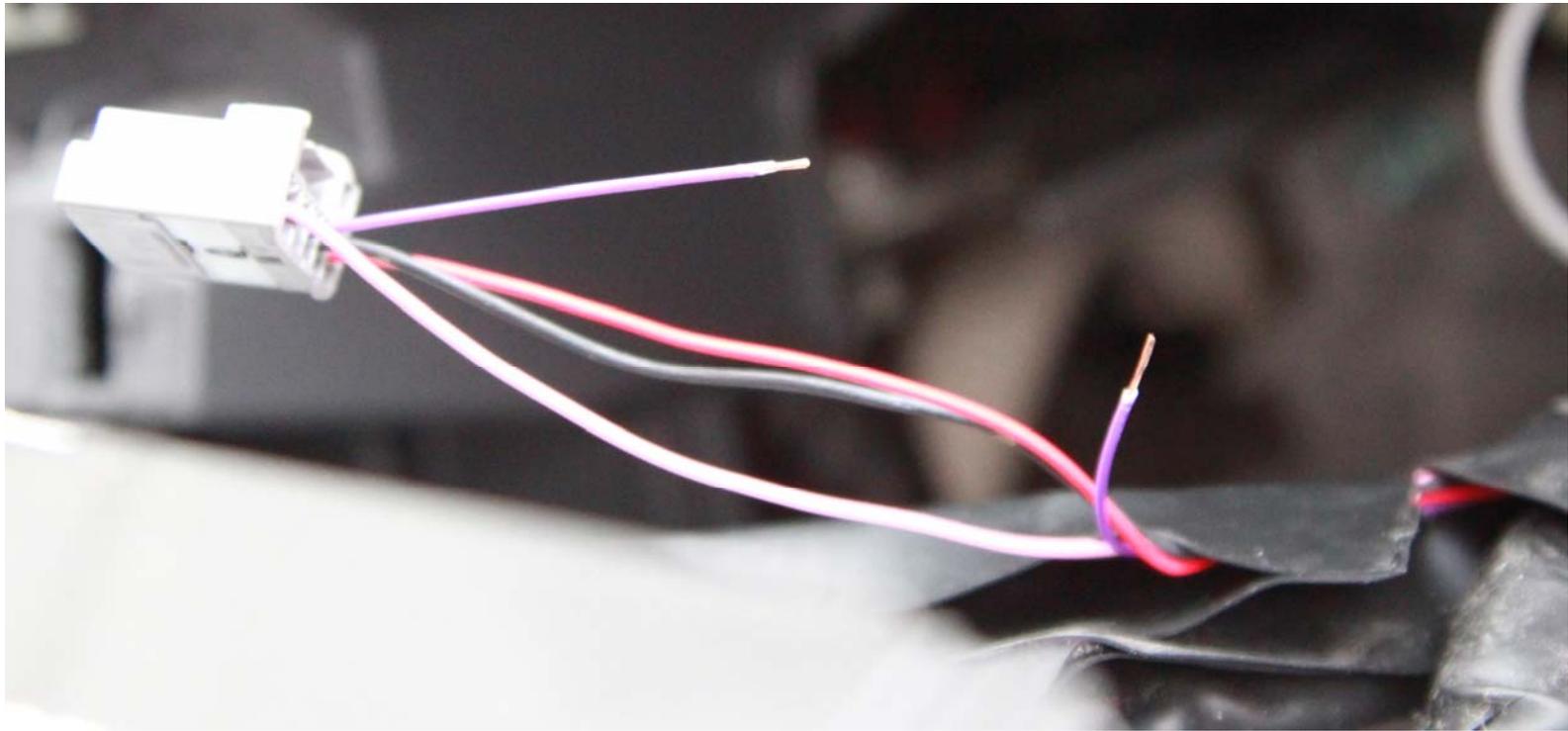
Once the radio is removed, locate the gray plug



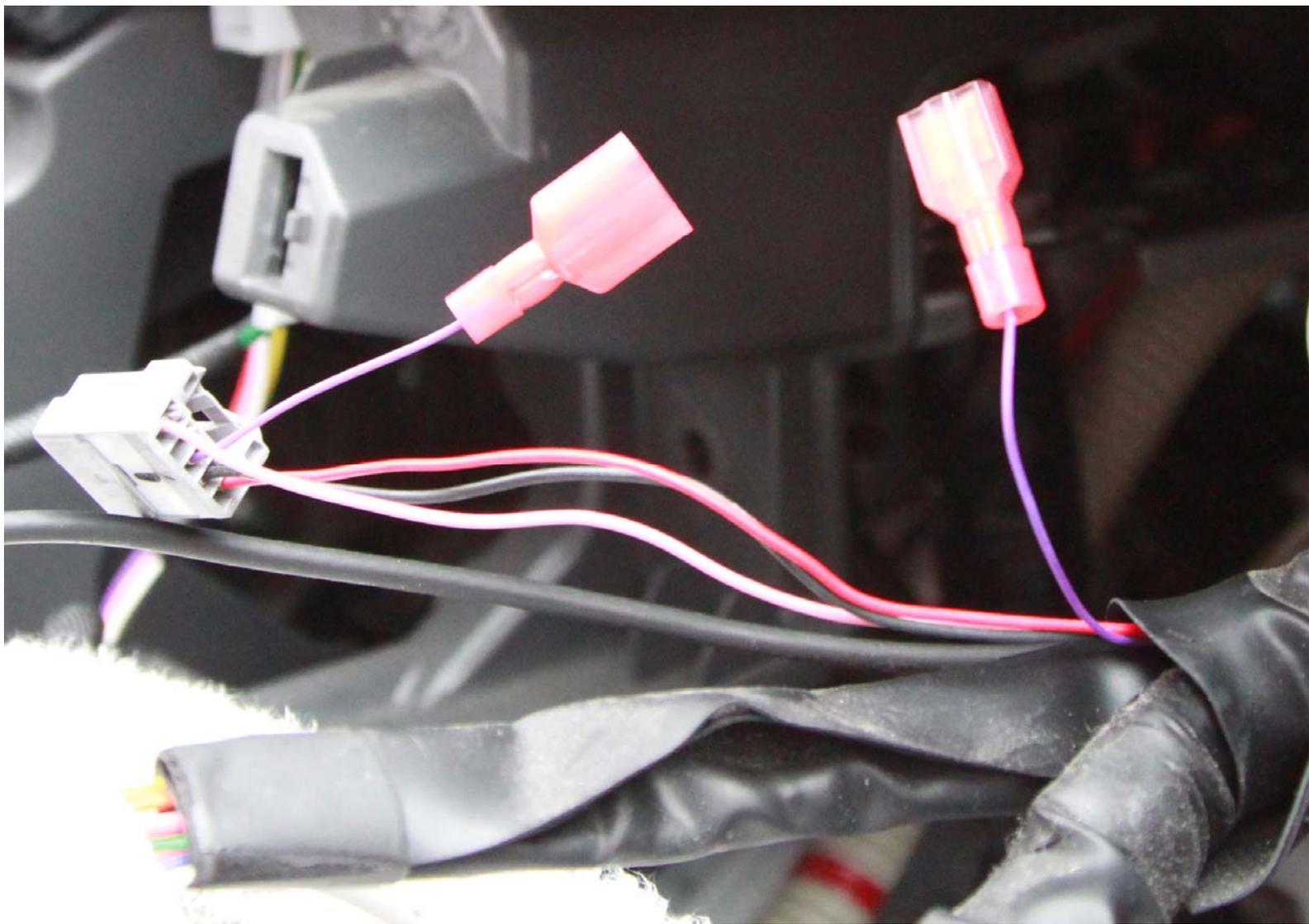
Unwrap the plastic wire cover and locate the Vehicle Speed Sense wire (violet wire) on pin 3. It should be the middle pin.



You have to sever the wire and cut about half an inch off the wire. Leave enough slack so you can do future repairs to the wire if necessary.



Strip both ends of the wire.



Crimp the quick disconnects on both ends of the wire. Female connector goes to the head unit side and the male connector goes to the harness side or vice versa. The quick disconnects are used for future removal of the bypass so you can reconnect the VSS wire together.



Connect the supplied VSS harness's solid color wire (short wire) to the head unit and the striped wire (long wire) to the harness side. The solid color wire should be on the pointy end of the plug and the striped wire should be on the square end of the plug. Do not reverse the connection (solid wire toward the harness and stripe wire toward the head unit. Possible damage to the vehicle speed ECU may occur)

The VSS harness's wire colors could be any of the following

White – white/black stripe

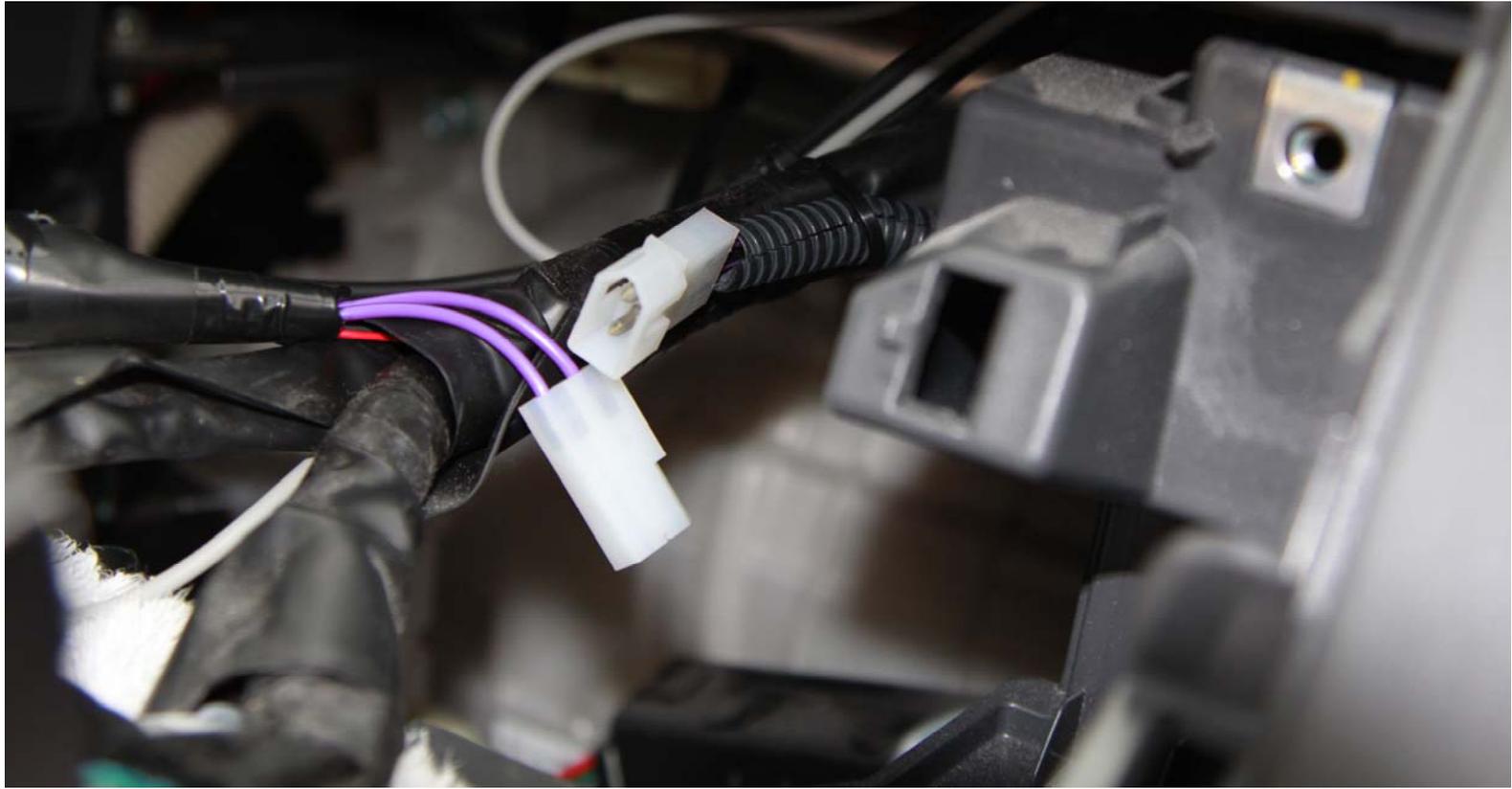
Gray – gray/black stripe

Green – green/black stripe

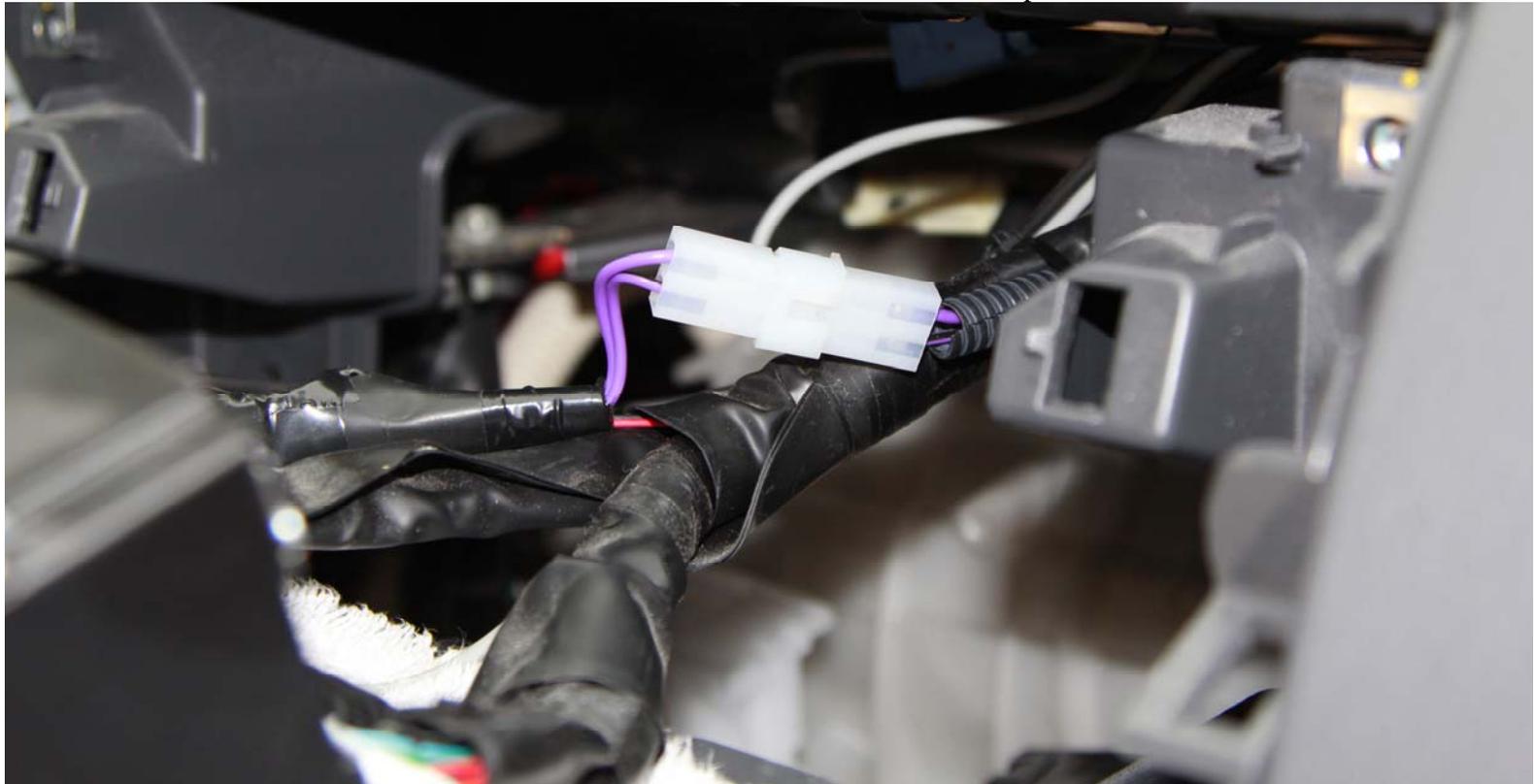
Violet – violet/black stripe



Rewrap the plastic wire cover and tape both ends and the middle, leaving the VSS plug exposed. You can plug in the gray plug back into the radio.



Route the VSS extension harness from the radio to the lower center console and zip tie it to the main radio harness.



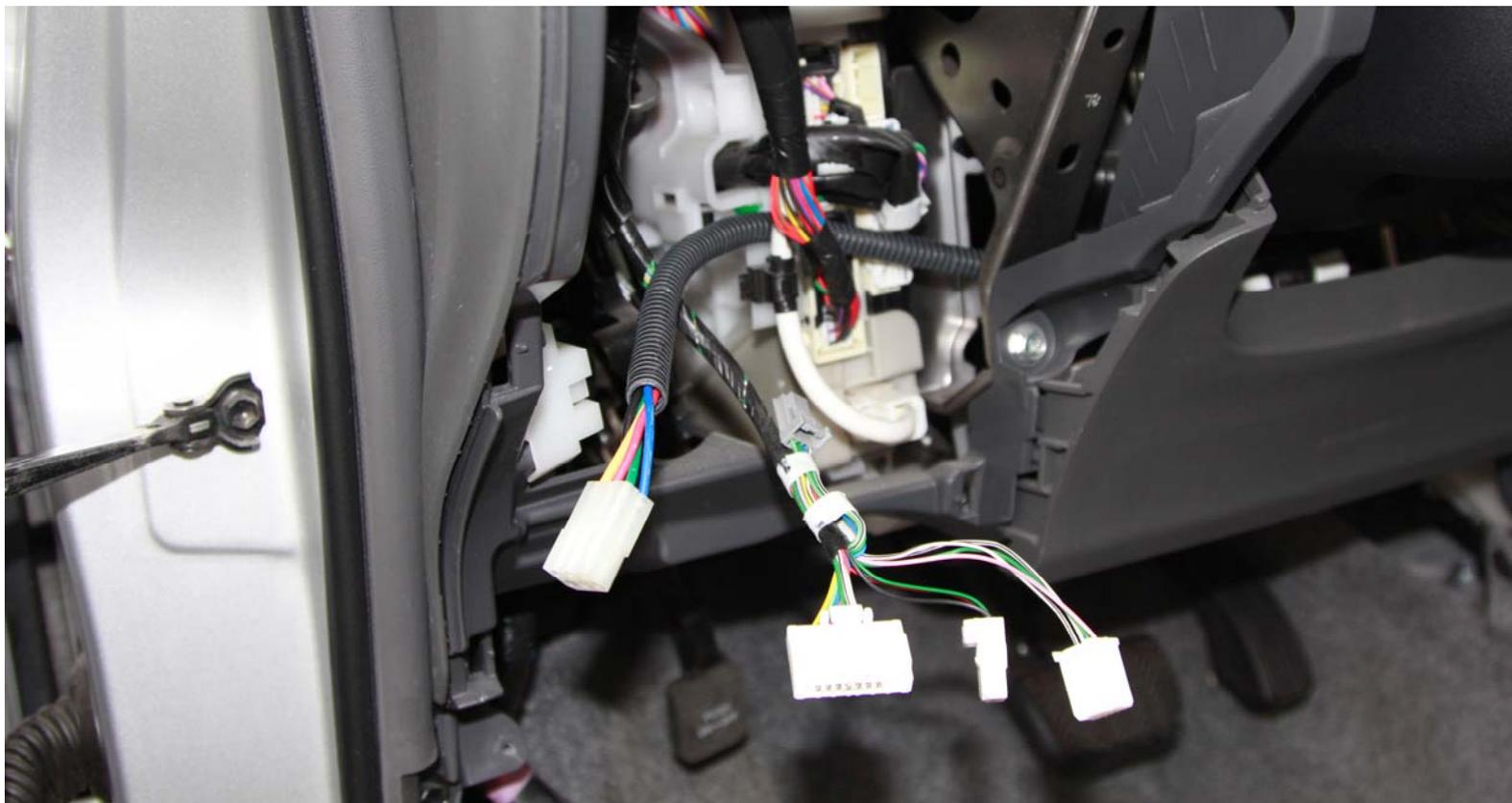
Connect the VSS harness to the extension harness.



Route the VSS extension harness to the lower center console.



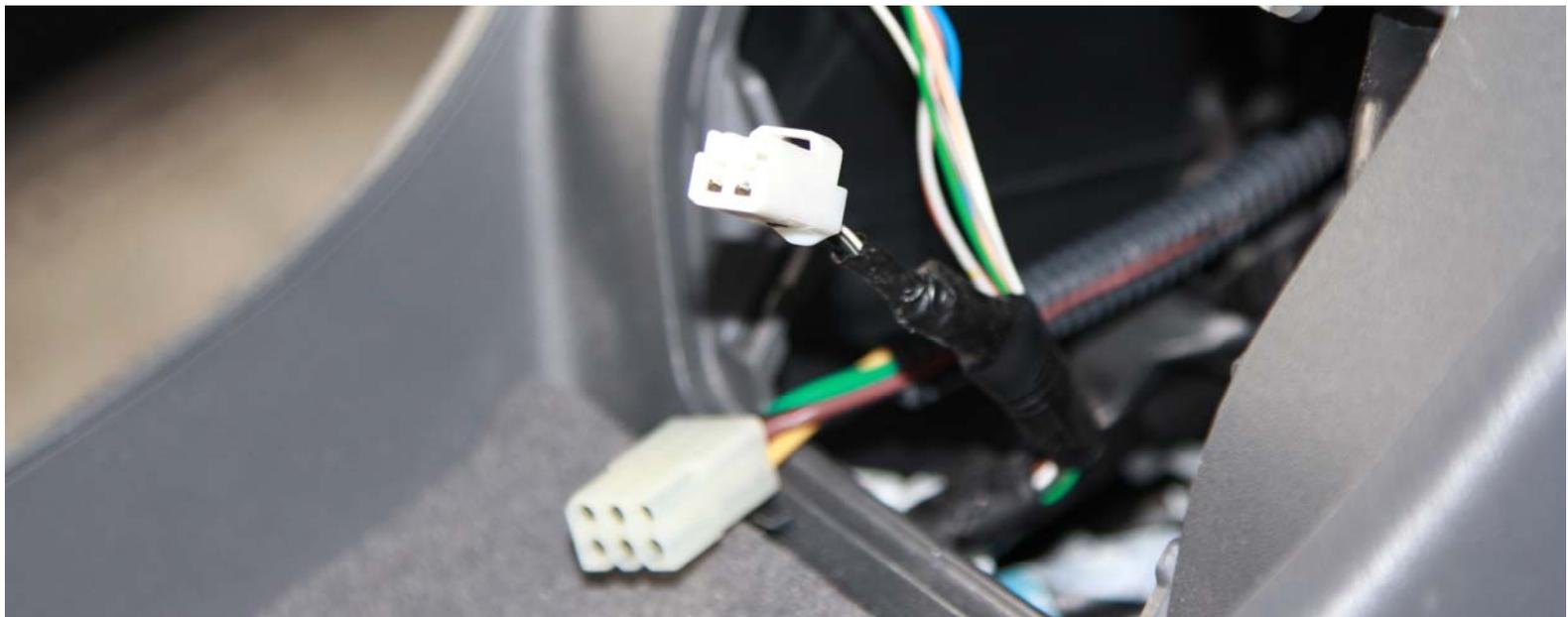
Snake the switch extension harness through the lower center console.
For III/Three owners who want to install the switch in the blank panel next to the cigarette lighter, you can skip this step.
For IV/Four owners who want to install the switch in the blank panel next to the knee airbag, route the switch extension harness toward that panel.



For V/Five owners or III and IV owners who want to install the switch in the knee bolster panel, route the switch extension harness to the knee bolster panel.



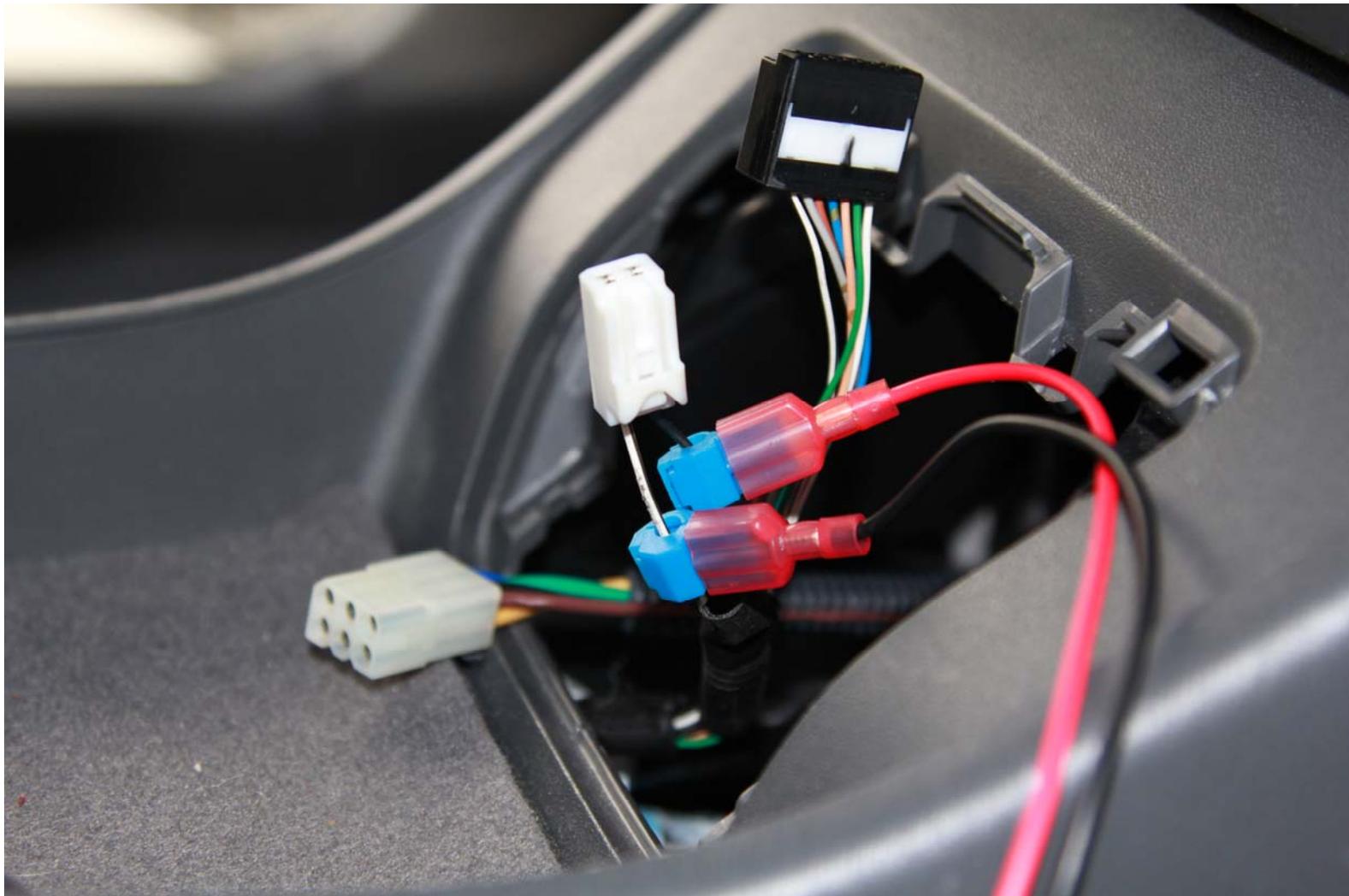
There should be 2 harnesses in the lower center console, the VSS extension harness and the switch extension harness.



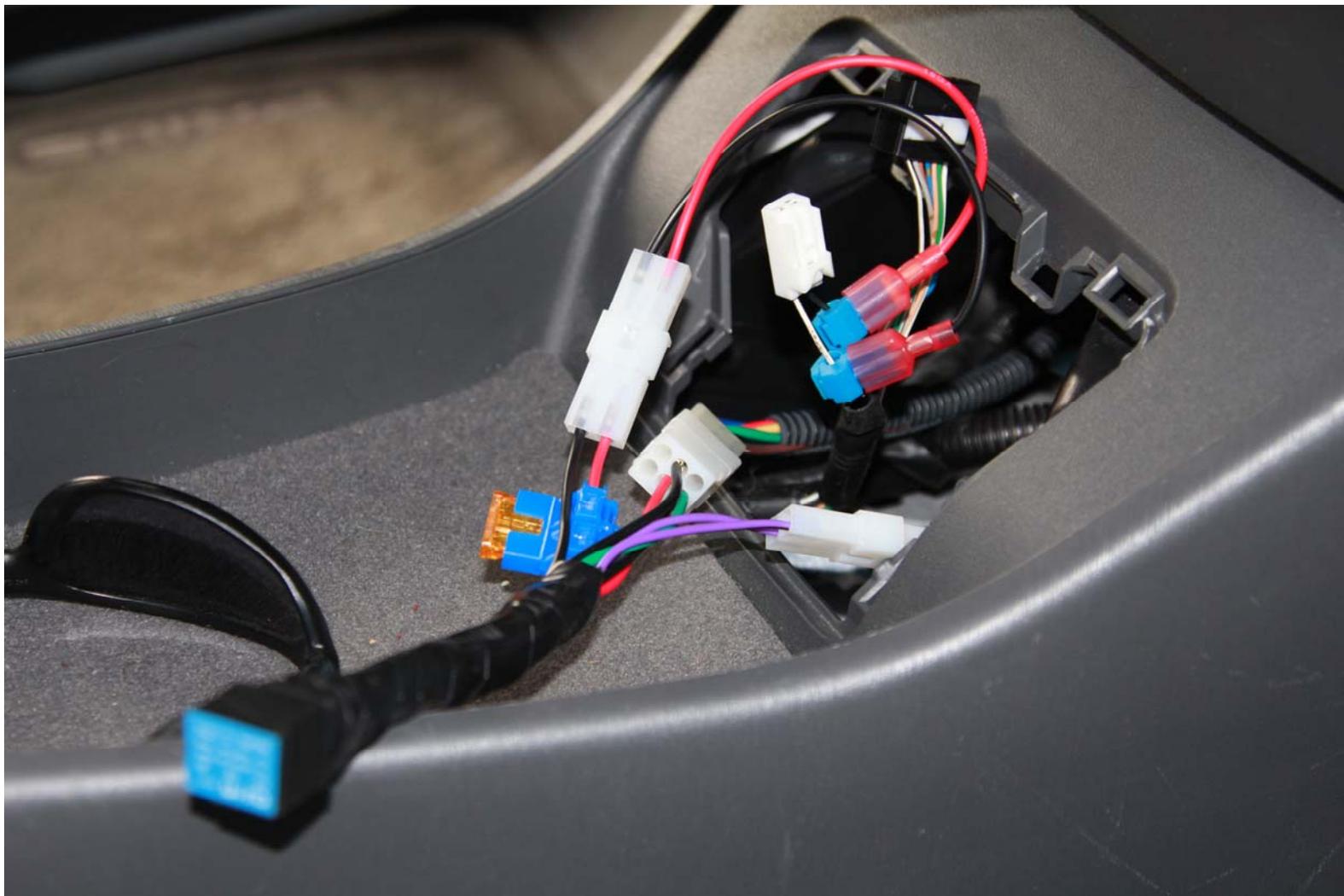
Locate the cigarette lighter harness. There should a solid black wire and a white – black stripe wire.



Unwrap the electrical tape to gain access to the wires.



T-Tap both wires and connect the red wire on the power harness to the black wire on the cigarette lighter wire. Connect the black wire on the power harness to the white-white/black stripe wire on the cigarette lighter wire.



Connect all the harnesses to the bypass relay.



Snake the switch extension harness through a blank plug.



Connect the switch to the switch harness and snap the switch panel into the blank panel.

Testing the bypass before driving.

Enter the service menu by holding down the INFO button and turn the parking lights on and off 3 times. From there, click on the Function Check/Settings then Vehicle Signal. The vehicle speed should be less than 8km/h.

Road testing

Before reassembling the dash, road test drive the bypass to ensure its functionality. The bypass must function for at least 2 minutes. Once that time has passed, turn off the bypass then turn it back on. The bypass must continue to work afterwards.

Trouble shooting

Bypass does not work.

Check the vehicle speed in the service menu. It must be below 8km/h. If it's more than 8km/h the bypass will not work. If you have an oscilloscope, you can hook up the bypass output to the scope. It should be less than 4.5hz. Unplug the VSS harness from the bypass relay and plug in the VSS bypass loop. Cycle the power a couple of times. The speed should match the dashboard. Reconnect the VSS harness and test the bypass again.

Reverse camera does not work after installation.

Recheck the gray plug and make sure it is plugged in.

Bypass works for about a minute then stop working.

Recheck the VSS connection at the gray plug. It could be reversed (solid wire connected to the harness, stripe wire connected to the head unit)

The service menu shows the speed 3 to 6 times faster than actual speed.

Unplug the VSS harness from the bypass relay and plug in the VSS bypass loop. Cycle the power a couple of times. The speed should match the dashboard