

SIGNAL HARNESS INSTALLATION INSTRUCTIONS

On the Rox Fabrication

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***READ INSTRUCTIONS THOROUGHLY BEFORE BEGINNING. OTR IS NOT RESPONSIBLE FOR INCORRECT INSTALLATION OR LOCAL LAWS REGARDING AFTERMARKET ACCESSORIES. THE USER IS RESPONSIBLE FOR ALL LIABILITIES ASSOCIATED WITH THE INSTALLATION AND USE OF THIS PRODUCT.**

ALWAYS UTILIZE PERSONAL SAFETY EQUIPMENT WHEN YOU ARE WORKING IN THE SHOP.

DISCONNECT BATTERY BEFORE YOU BEGIN.

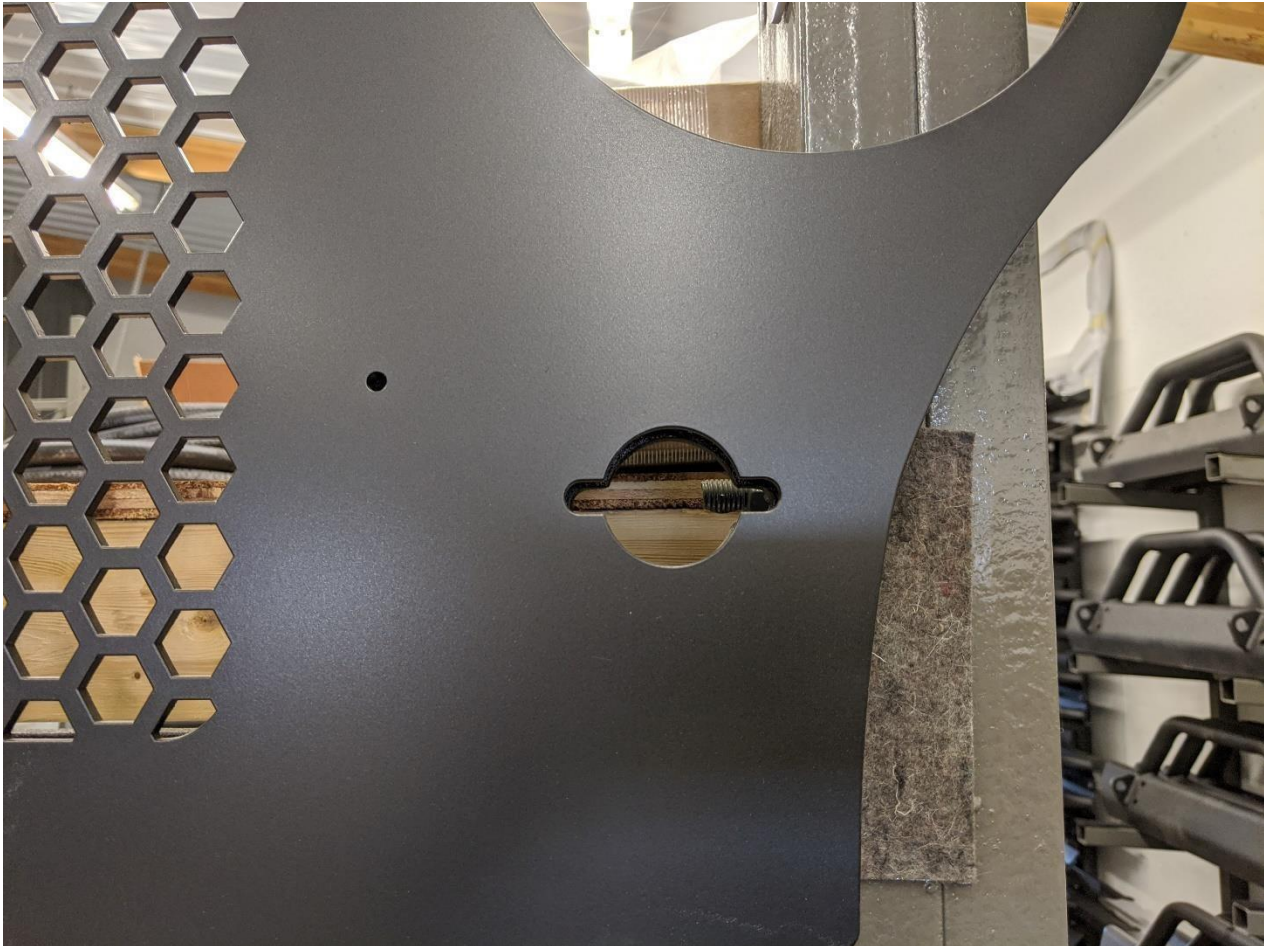


IMPORTANT

- Disconnect the battery when working on any electrical system.
- Don't forget to put the heat shrink on before you crimp the wire connectors together.
- When drilling holes, always check behind panel for wires, or other objects.

Installation of the marker lights:

First, measure and mark the grille 5" up from the bottom edge and $13\frac{1}{4}"$ over from the center of the grille on both sides. If using our Roxor grille, this is not necessary as the holes are pre-cut into the grill.



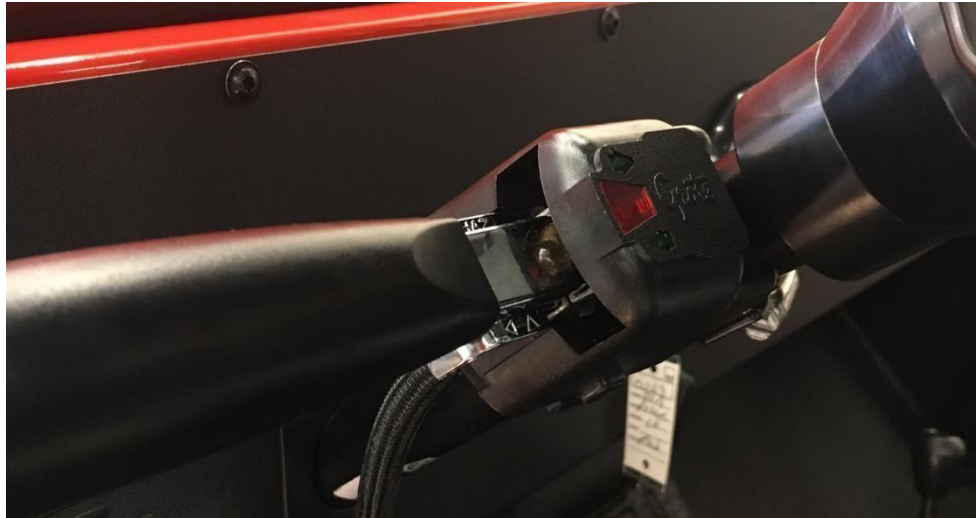
Next, measure from the center of your mark $1\frac{3}{32}"$ on either side and drill Two $\frac{3}{16}"$ holes for the signal light mounting bolts through both the plastic cover and the steel structure behind as shown. Drill a $1\frac{1}{2}"$ hole at the center mark for the marker light. Refer to the template included with the kit. If using our Roxor grille, use it as a template, and drill through only the steel structure.



Then, mount the marker lights. **Important:** (do not over tighten the hardware)

Installation of the turn signal switch:

Mount the signal switch to the steering column with the supplied clamp.



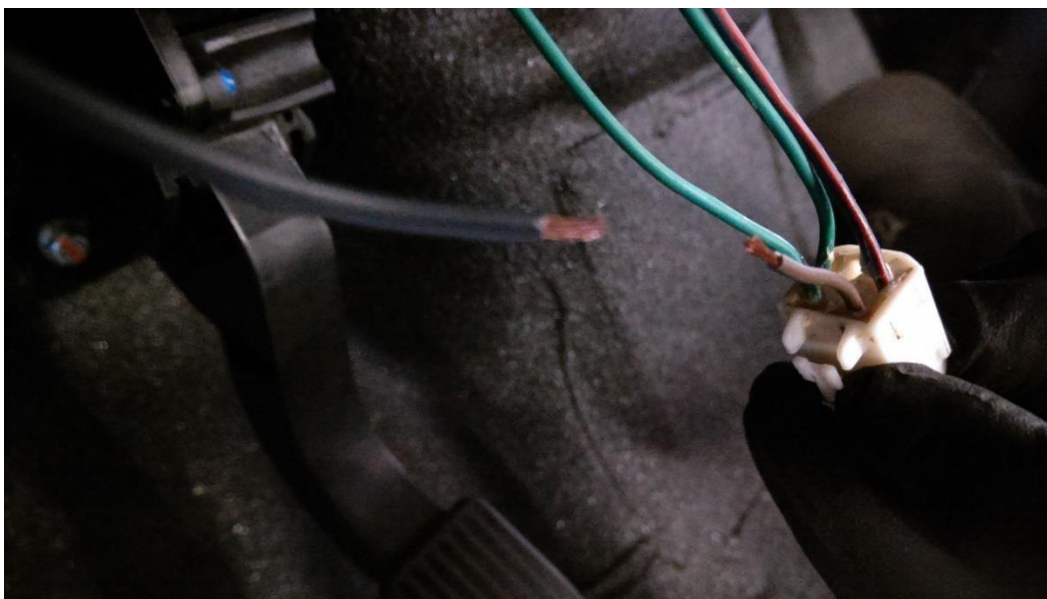
Mark and drill a $\frac{3}{4}$ " hole into the plastic panel below the steering column as shown.



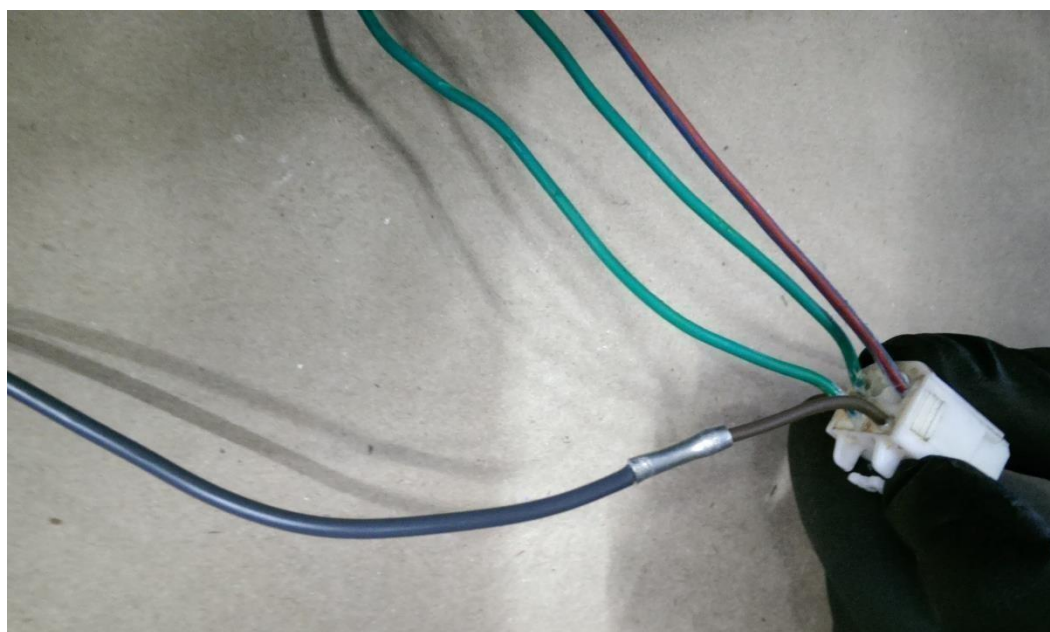
Carefully feed the wiring harness through the drilled hole and clip the grommet into place. **Important:** Avoid routing wires against the pedal return springs.

Route the short black, yellow, blue, white, and grey with a black stripe section of the harness to the brake pedal area.

Locate the brake pedal switch and cut the brown wire approximately $1\frac{1}{2}$ " away from switch plug. You may need to unplug the switch and unwrap some of the tape from the factory harness to ease the installation.



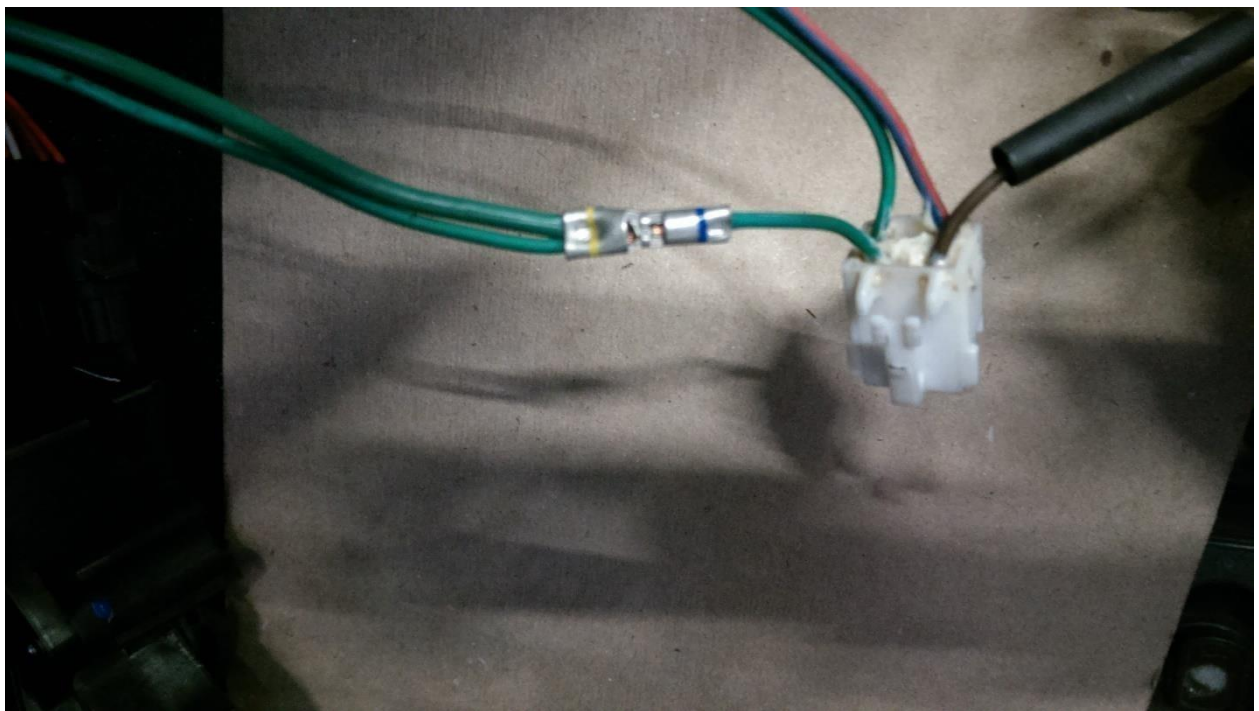
Connect the grey with black striped wire to the factory brown wire at the plug end of the brake switch as shown with supplied butt connector.



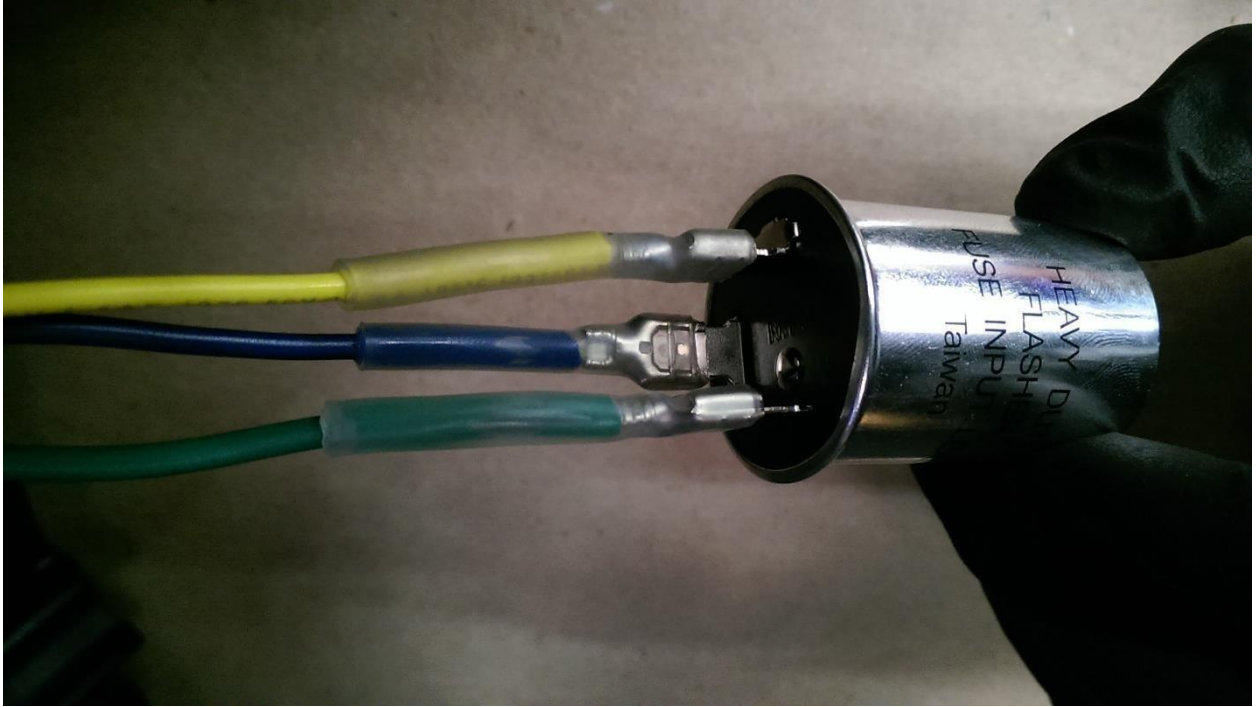
Connect the black wire to the remaining end of the factory brown wire.



Cut one of the green wires (doesn't matter which one) approximately 1½" from the plug and splice in supplied green wire with stepped butt connector as shown.



Connect the green, blue and yellow wires to the supplied flasher as follows:
Green=X Blue=P Yellow=L



Connect the white wire to a good clean ground with the supplied zip screw.



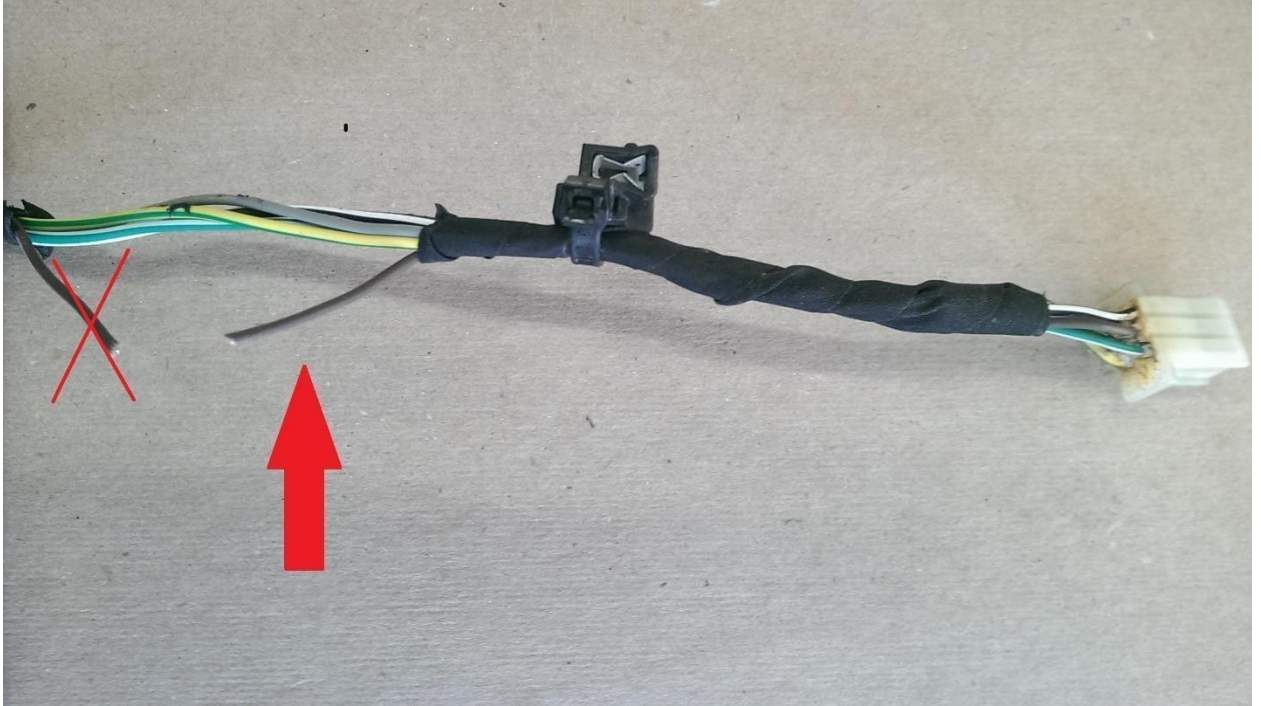
Secure the flasher and connecting wires under the dash with zip ties.

Route the remaining harness through the large firewall grommet on the farleft hand side.



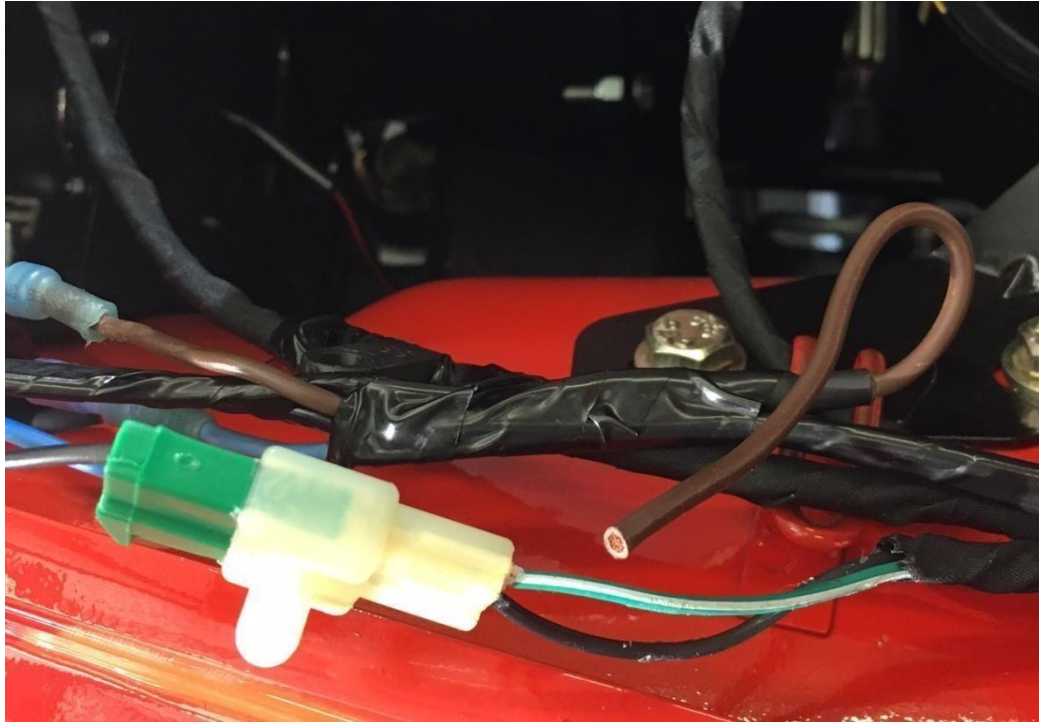
Split the remaining harness branches near the large factory harness plug on left fender. Route the single yellow wire under the brake master cylinder along the factory harness and to the frame rail ending at the left rear of the vehicle securing it to the existing wires as you go along with zip ties.

Locate the brown wire at the left taillight connector and cut approximately 5" before tail light connector as shown



Attach the single yellow wire to the cut brown wire closest to tail light plug and terminate the remaining wire. Secure any loose wires to existing wire harness.

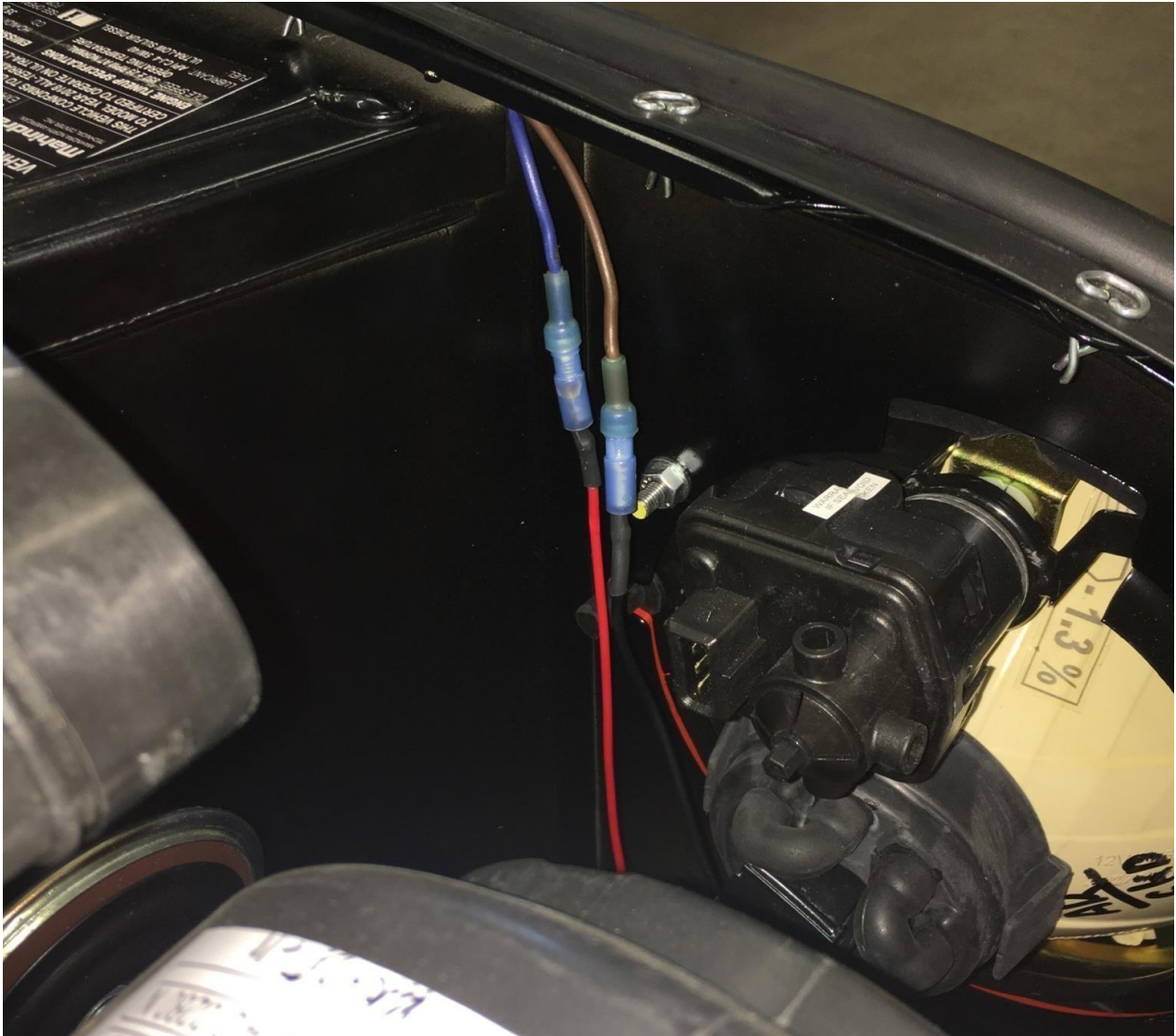
Route the remaining under hood harness along factory harness toward the left headlight. Locate and cut the green with white striped wire feeding the left factory fender light and splice in the brown wire with supplied stepped butt connector as shown.



***NOTE: On 2021 and newer models this wire is not used.
(No fender marker lights after 2019)**

Continue harness to left signal light, over the radiator support tucking wires behind grill weather strip clips to right signal. Signal wiring as follows:

Brown=Black Blue=Red



Verify that all connections are heat shrunk, correct, and that no wires are routed in an area where they may be damaged or crushed.

Reconnect the battery and verify that signal operation is successful with the turn signal switch.



