

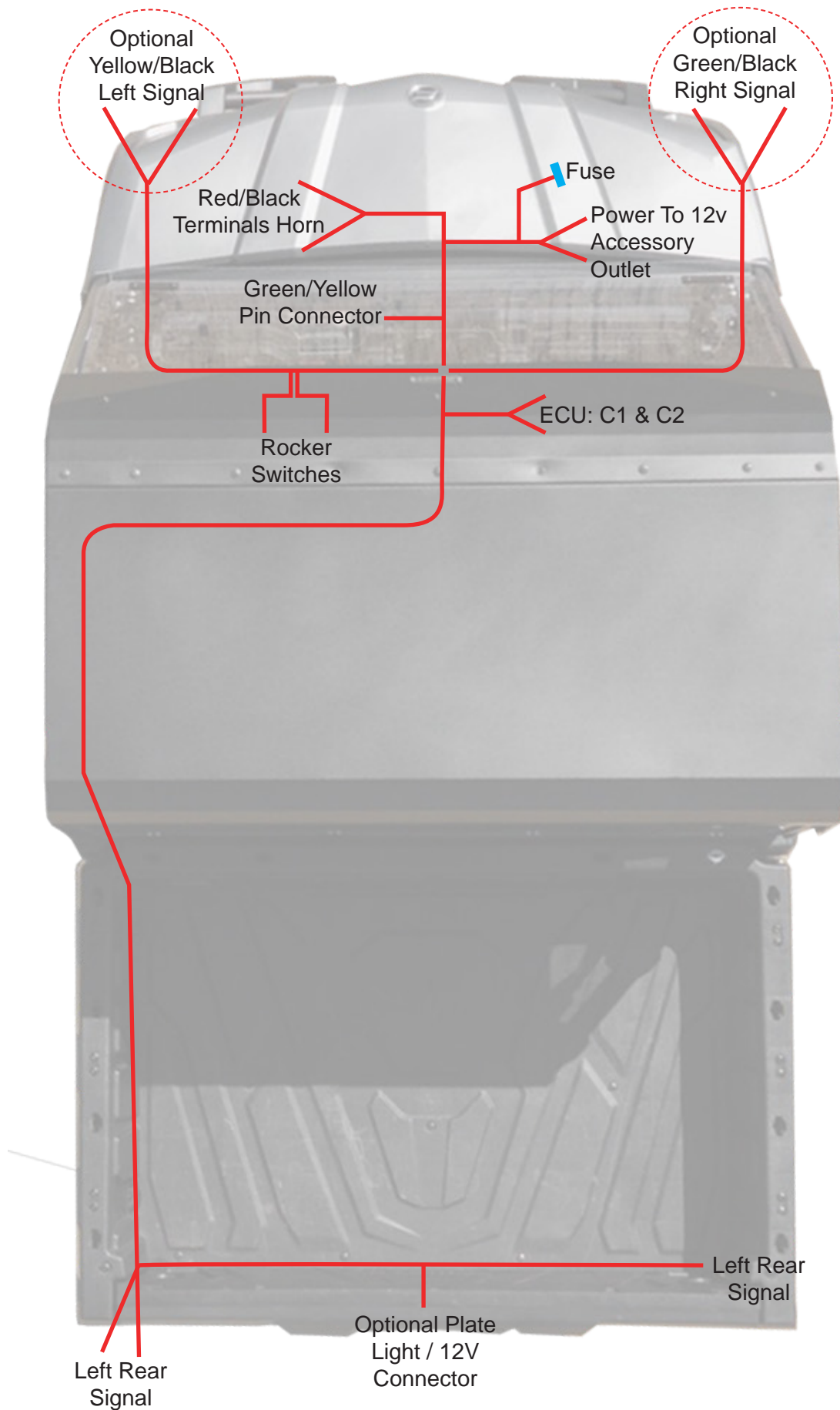
## INSTALLATION INSTRUCTIONS

### TURN SIGNAL KIT: TSK-CF-UF600-700

- ⚙ Please look through and read these instructions BEFORE starting so you understand what processes you'll be doing, and possible extra tools you may need.
- ⚙ Do Not discard product packaging until installation is complete and functioning properly.



## Basic Harness Routing

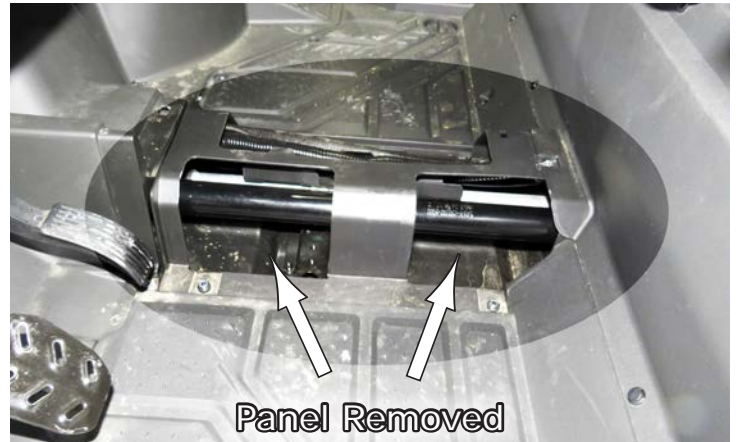




1.The first thing you need to do to get things ready to route the cable harness is **Remove** the **Center Floor Panel** by removing the plastic Push-Pins holding it in place as shown in **Fig.1a-b**.



**Fig.1a**



**Fig.1b**

2.Then pop out the **Center Dash Panel** to gain access to route the New Harness through. Then let it hang in place for now. See **Fig.2a-b**.



**Fig.2a**



**Fig.2b**

3.Now you will need to **Raise** the **Seats** and then **Remove** the **Trays** from the compartments as shown in **Fig.3a-d**.



**Fig.3a**



**Fig.3b**



Fig.3c



Fig.3d



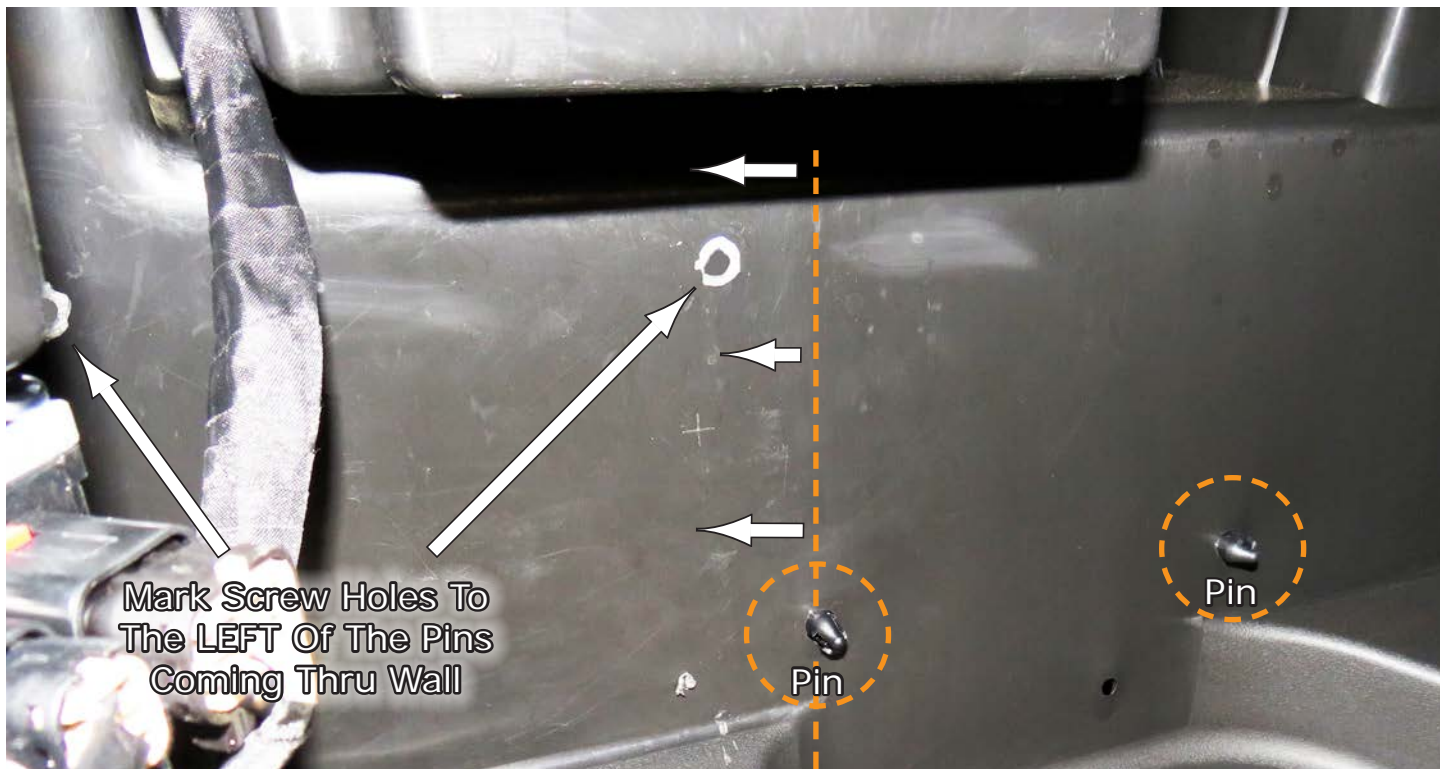
4. Then, go around front and flip the **Hood Section Forward** as shown in **Fig.4**.



Fig.4



5.Next you will need to install the ECU to the Firewall up under the dash area. **NOTE: You will need to mount the ECU to the LEFT of the Two (2) Pins coming through the firewall as there is a compartment directly on the other side.** You can see we have marked our screw holes to the Left of those pins shown in **Fig.5a**. Then **Install the ECU** To your marked screw locations using Two (2) of the **#8 Self Tap Screws** provided in your kit. See **Fig.5b-c**.



**Fig.5a**



**Fig.5b**



**Fig.5c**

6. Now find the **Large Grommet** going thru the Firewall that has one cable going thru it. This is the Factory set-up. You will need to **Remove** the **Grommet** and **Cut an "X" Slit** in the center of it to allow the New Harness Cables to pass thru. **Fig.5a** shows where it was located at on the Firewall, and **Fig.6b** shows the slit you need to make in the grommet. **Do not re-install the grommet yet.**



**Fig.6a**

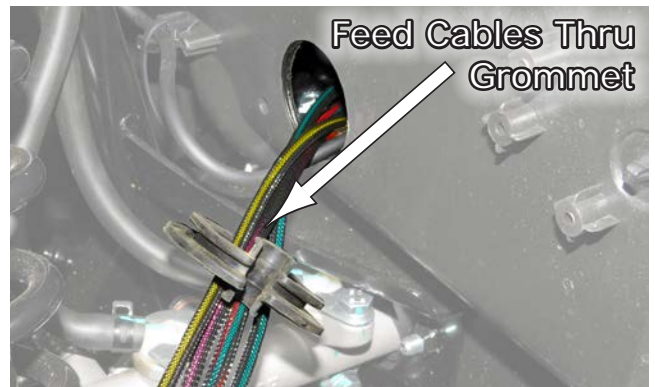


**Fig.6b**

7. Next, with the Grommet out of the Firewall, *starting from inside the cab area*, feed the New Harness cables for the front end items thru the grommet hole as shown in **Fig.7a**. These cables are the Multi-colored cable, yellow/Black, Green/Black and Red/Black with terminal ends also shown in **Fig.7a**. The rest will remain in the cab area for now. Then, feed cables through Grommet and Re-install Grommet. See **Fig.7b-c**.



**Fig.7a**



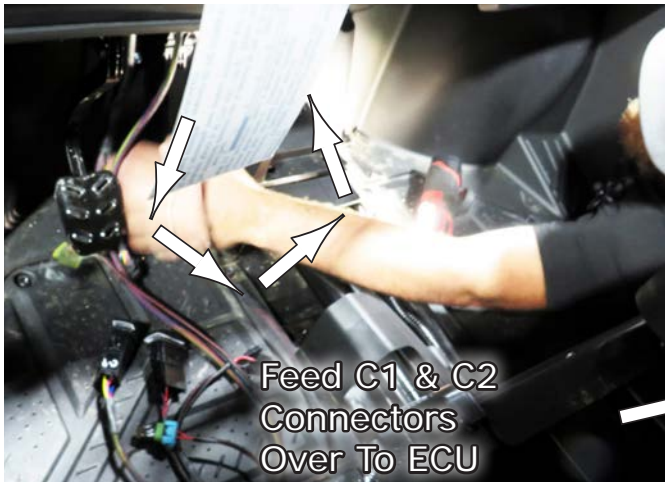
**Fig.7b**



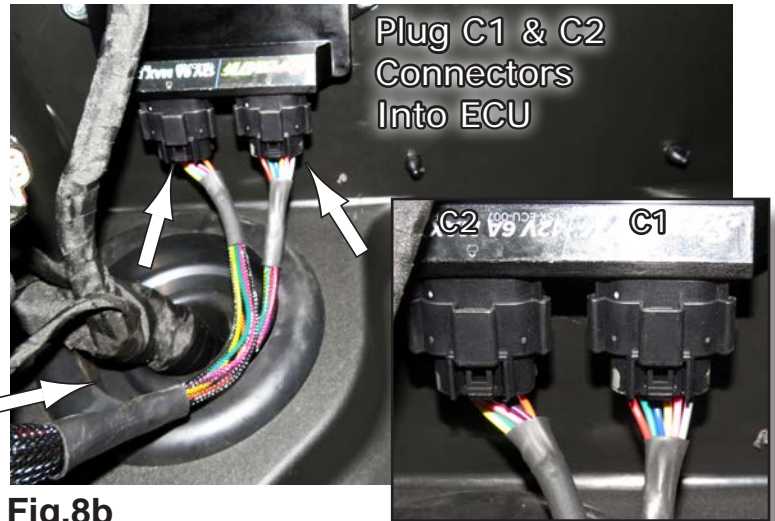
**Fig.7c**



8. Now go back in the cab and **Route the C1 & C2 Harness Connectors** over to the ECU, **Fig.8a**, and plug both of them into the **ECU** as shown in **Fig.8b**.



**Fig.8a**



**Fig.8b**

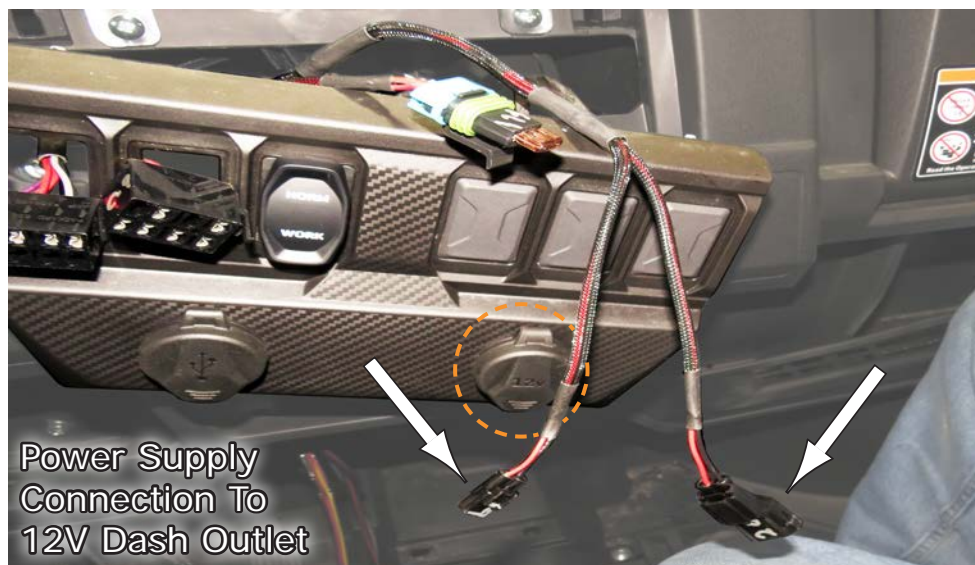
9. After the ECU, now you can **Install the Rocker Switches** into the dash panel. First knock out two (2) of the slots you wish to use. We chose the left two slots, see **Fig.9a**. **Fig.9b** shows running the **Harness Cables** out thru the switch slots, ready for the switches. **Fig.9c** shows the other Fuse and Power Supply connection cables ready to route in the following steps.



**Fig.9a**



**Fig.9b**



**Fig.9c**



10. Now let's **Hook-up the Power Supply** to the vehicle. We'll do this by tapping into the **12V Accessory Outlet** on the dash. So locate the 12V Accessory Outlet shown in **Fig.10a**, then follow that cable to where it plugs into another cable as shown in **Fig.10b**. Then unconnect it (**Fig.10c**) and plug the male end of the 12V cable into the female matching New Harness Connector shown in **Fig.10d**. Then connect the remaining connectors together as shown in **Fig.10e-f**.

**NOTE: By connecting this way allows you to still use your factory 12V Accessory Port in the dash.**



**Fig.10a**



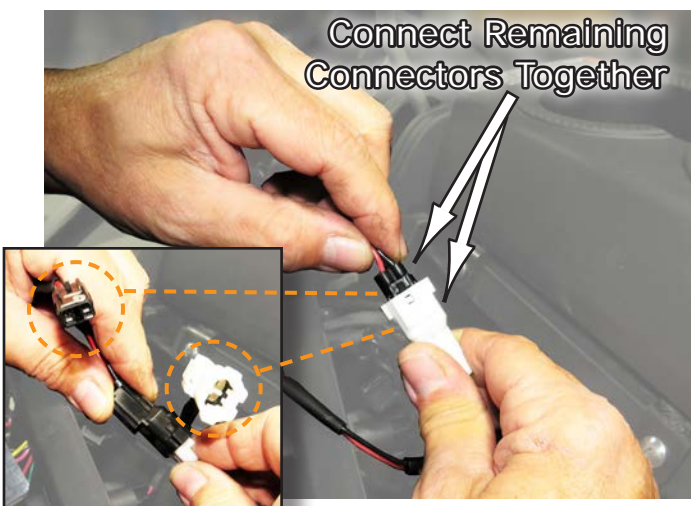
**Fig.10b**



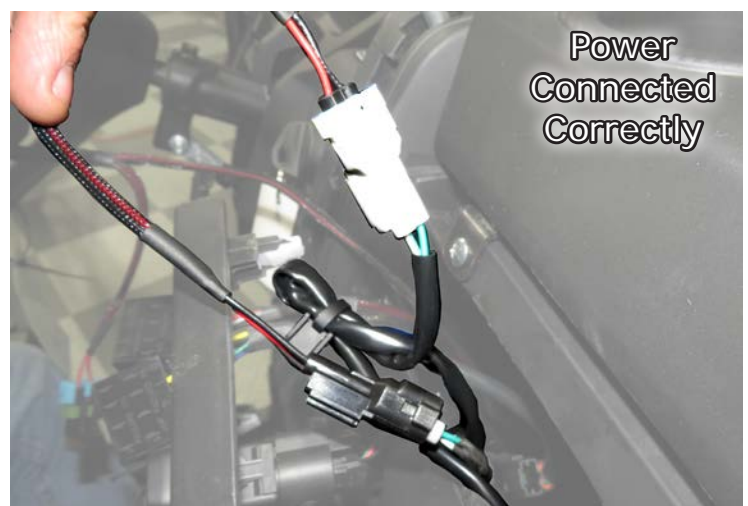
**Fig.10c**



**Fig.10d**



**Fig.10e**



**Fig.10f**



11. Next you can **Connect** the **Turn Signal & Horn Rocker Switches** for the **Horn** and **Signals** to the harness connectors you pulled thru the dash panel previously. Connect them and then push to snap the switches into the slots as shown in **Fig.11a**. Then **Zip-Tie** all loose harness cables up out of the way. **Fig.11b** shows how we chose to tie them up.



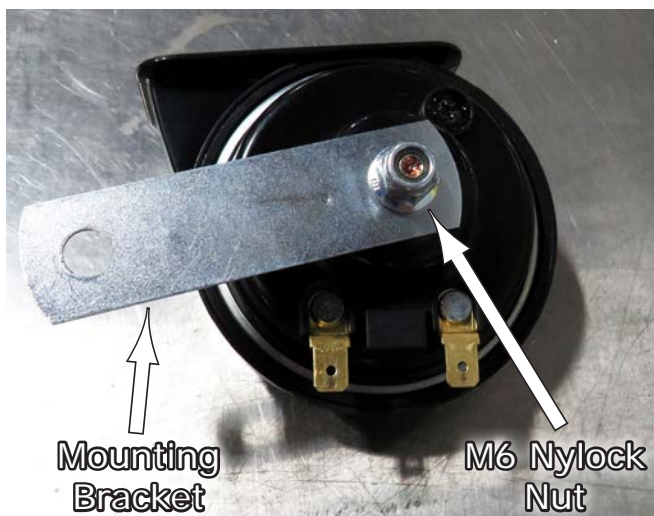
**Fig.11a**



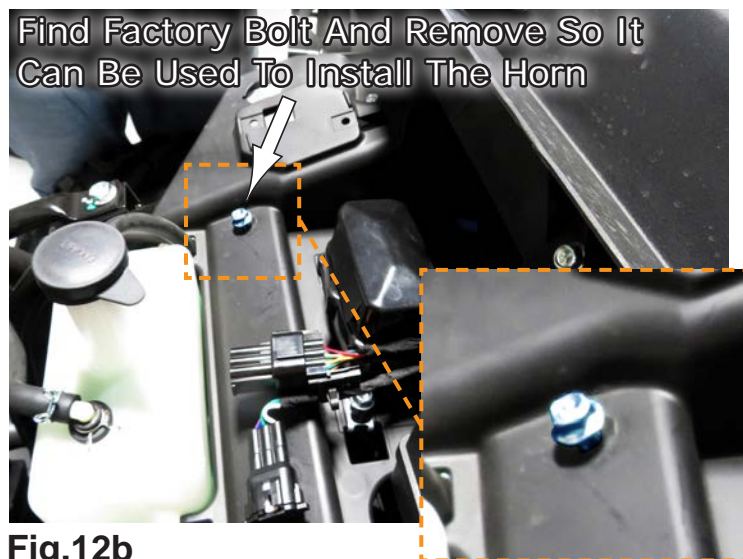
**Fig.11b**



12. Once the switches are in place, you can now **Install** the **Horn** onto the vehicle. Before you mount it, you will need to **Install** a small **Mounting Bracket** onto the **Horn** using the **Bracket** and **M6 Nylock Nut** provided in your kit shown in **Fig.12a**. Then find the **Factory Bolt** shown in **Fig.12b** and remove it as you will be using it to install the **Horn** and **Bracket** back onto the machine in the following steps.



**Fig.12a**



**Fig.12b**

13. Now **Install** the **Horn & Bracket** onto the machine using the bolt you just removed and position the horn like the one shown in **Fig.13a**, and tighten secure. Then find the **Red & Black Wires** from the **New Harness** (you fed thru the Grommet previously) that have the **Red & Black Spade Terminal Ends** on them shown in **Fig.13b**, and install the **Red Terminal** to the **Positive + Tab** on the Horn, and the **Black Terminal** to the **Negative Tab** on the Horn as shown in **Fig.13c**.



Fig.13a

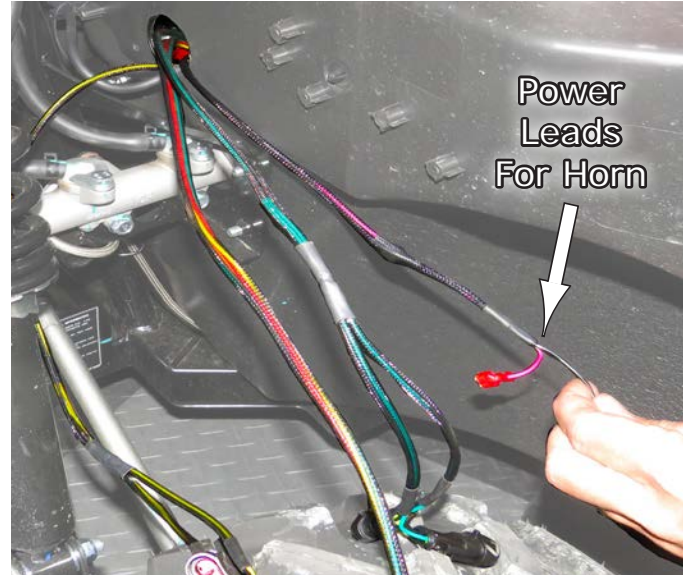


Fig.13b



Fig.13c



14. After you have the Horn hooked up, you can now start routing the **Harness Cables to the Rear** of the vehicle. To do this, you will **Feed** the Harness Cable **Under** the **Console** following the factory harnesses to the back seat area as shown in **Fig.14a-b**. Then route it along the **Driver's Side** and on back to the rear as shown in **Fig.14c**.



**Fig.14a**



**Fig.14b**

(view from driver's side looking over to passenger's side)



**Fig.14c**

(view from passenger's side looking over to driver's side)

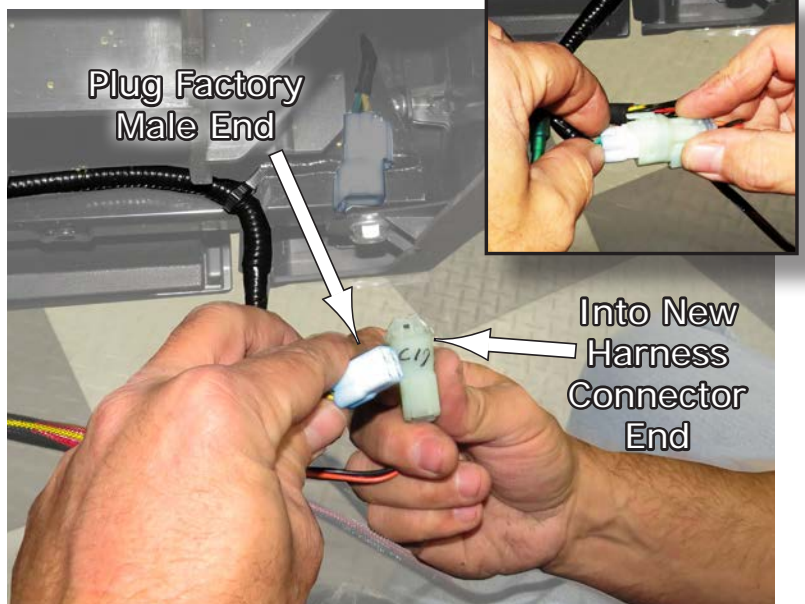


**Fig.14d**

(view from passenger's side looking over to driver's side)



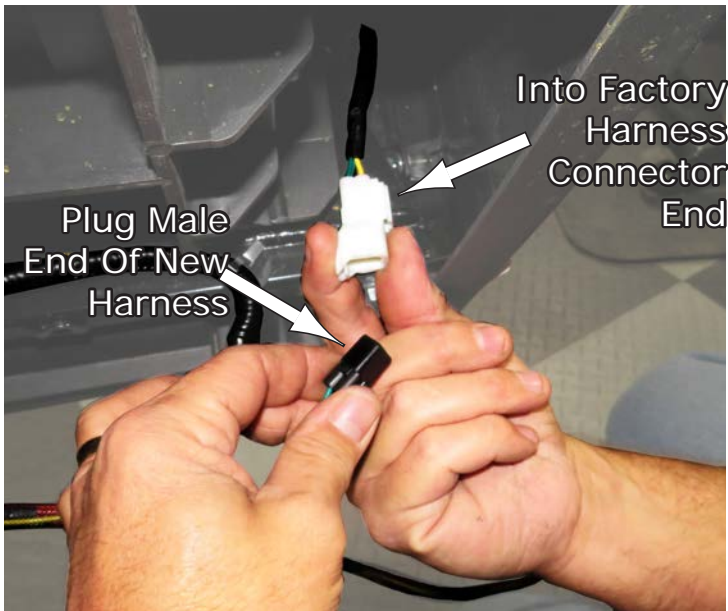
**Fig.15b**



**Fig.16b**



17. Then **Plug** the **Male Connector End** of the **New Harness** into the other remaining factory end as shown in **Fig.17a-b**. **Fig.17b** shows them connected together properly.



**Fig.17a**



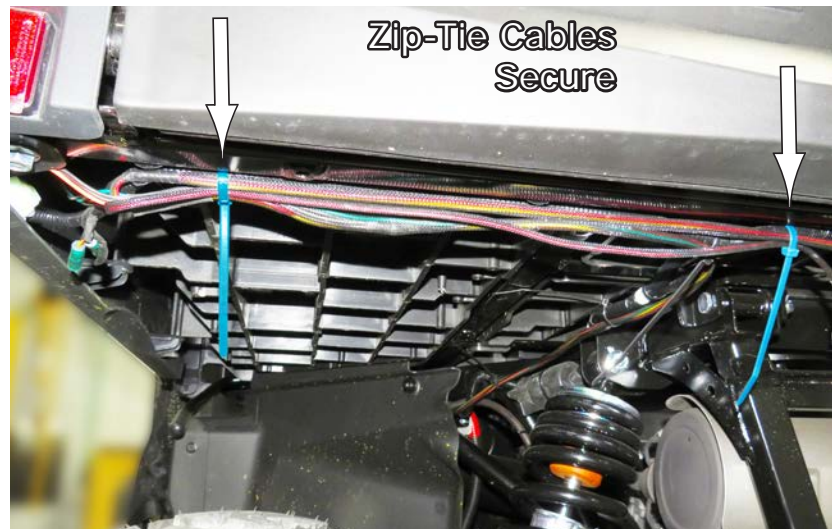
**Fig.17b**



18. Now feed the Harness over to the Passenger's side to connect the New Harness Cable to the Factory one, just as you did for the Driver's Side. But first, let the Bed back down in normal position, then route the Harness. Be sure to Zip-Tie the Harness up out of the way secure as shown in **Fig.18a-b**.



**Fig.18a**



**Fig.18b**

19. As you are feeding the harness over, you will notice a smaller connector that is used for the **License Plate Light Connection**. However, you can choose not to use it or use it for a power source for another application. See **Fig.19a**. **Fig.19b** shows feeding the harness over to the passenger's side tail light area.

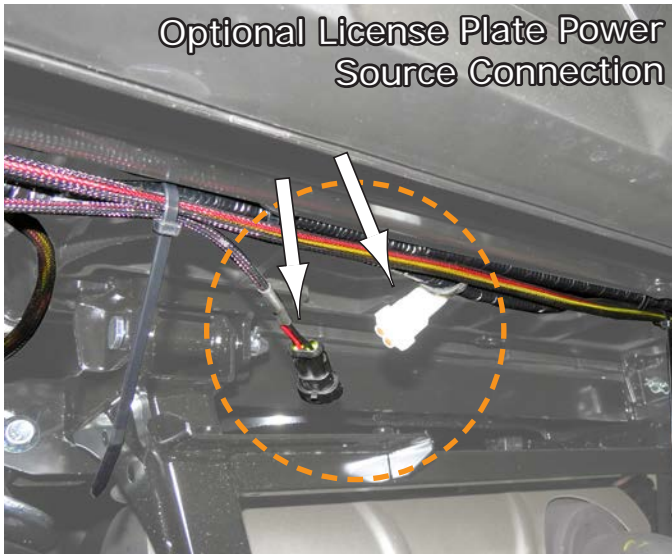


Fig.19a

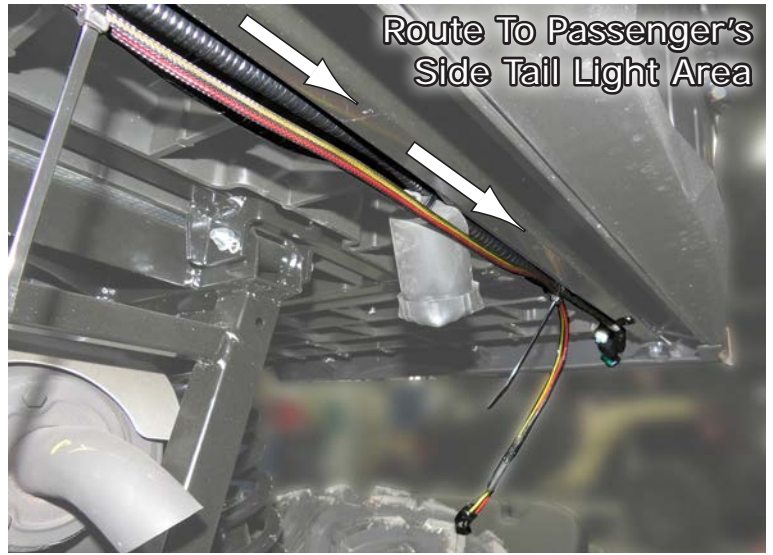


Fig.19b



20. **NOTE:** This side is a little different than the Driver's side, so please follow. Find the **Factory Tail Light Connector**, and Separate it as shown in **Fig.20a-b**. Then **Plug** in the **Male Connector** from the **New Harness** into the **Female** end of the **Factory Connector** you just separated as shown in **Fig 20c-d**. Notice in **Fig.20d** that you will **NOT** be using the male end of the factory connector for this installation. Tape or seal it up and zip-tie out of the way.



Fig.20a

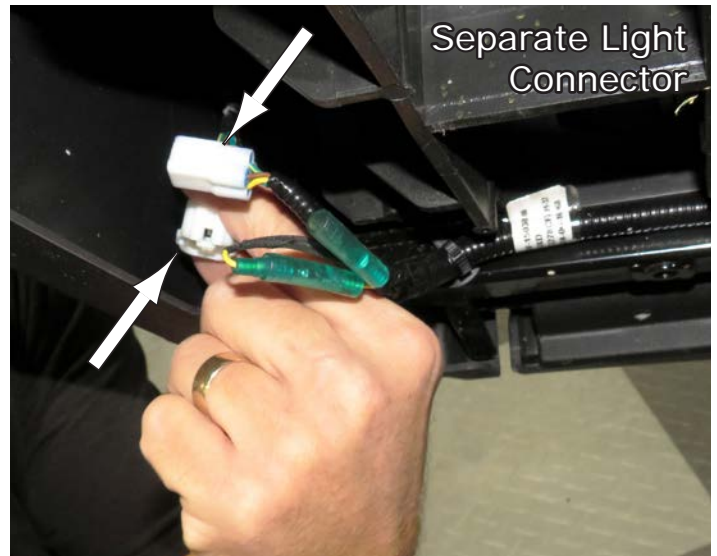


Fig.20b





Fig.20c

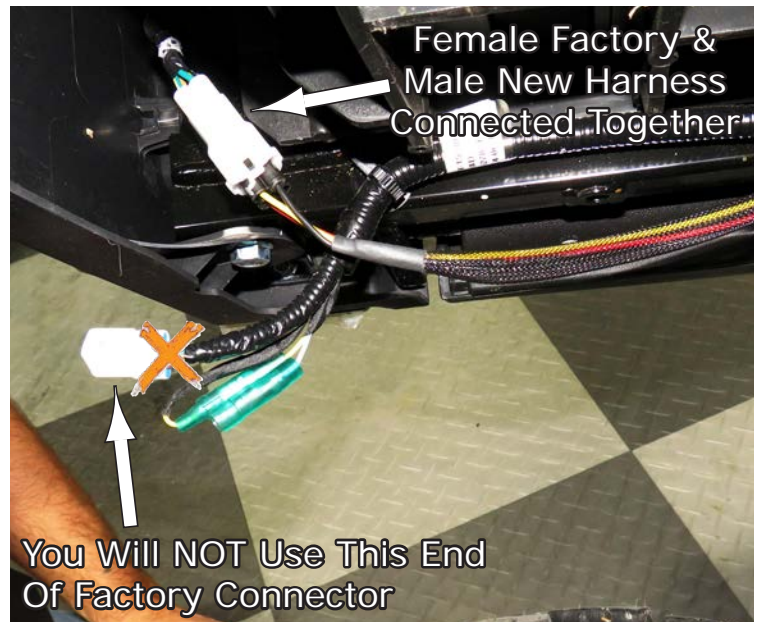


Fig.20d

21. Now you have one last thing to do which is to **Modify** a **Connector** to the correct pin-out to accept the last New Harness Connector. You will find this connector **Behind** or close to the **Fuse Box** and has a **Cap** on it with little **Blue Pin Plugs** in the front, as shown in **Fig.21a**. Then **Remove** the **Cap** as shown in **Fig.21b**.

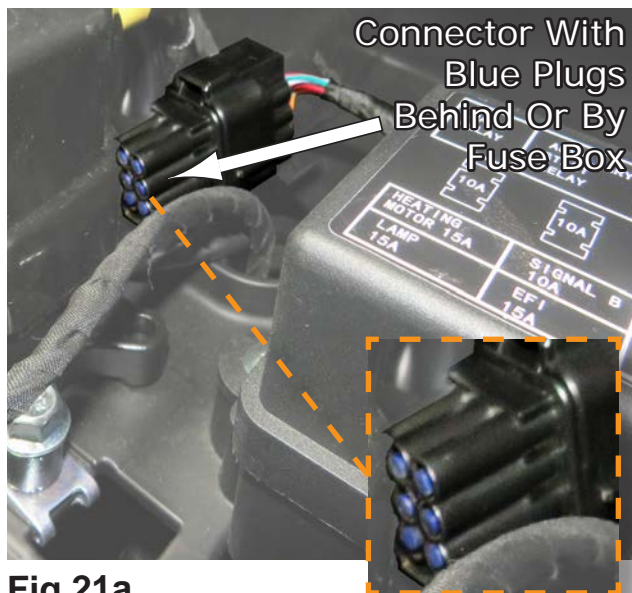


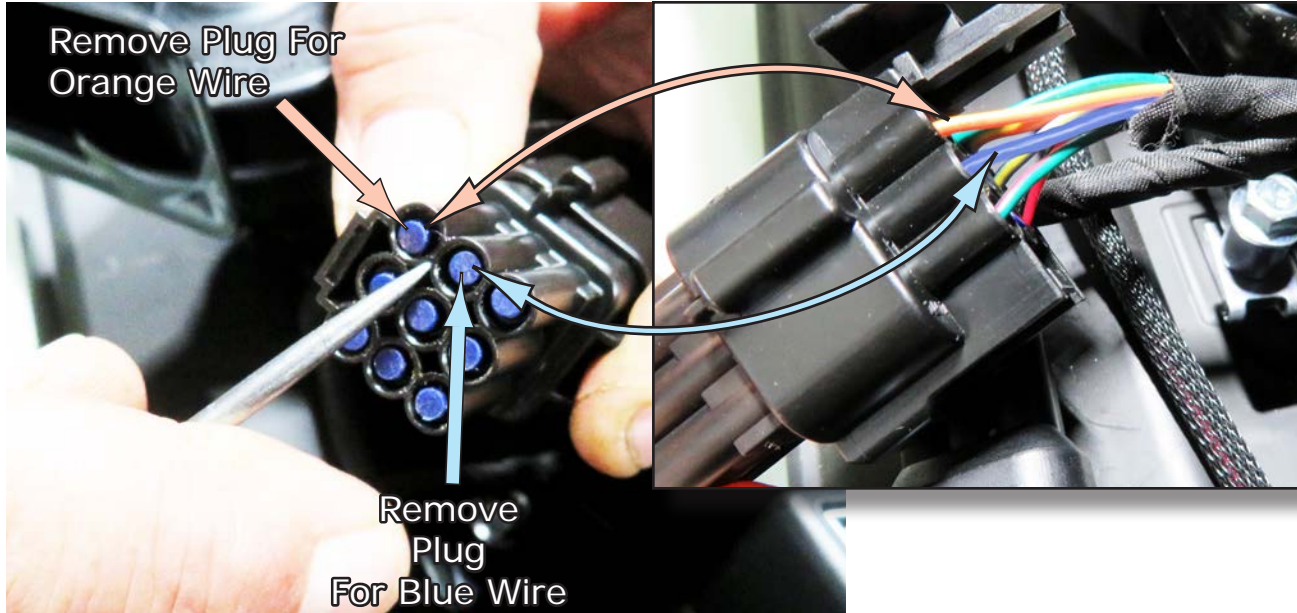
Fig.21a



Fig.21b



22. Now notice that when the Cap was on the Connector, there is an **Orange Wire** and a **Blue Wire**, the first Two (2) wires as shown in **Fig.22a**. You will need to **Remove** the **Blue Plugs** out of the Cap for those Two (2) wires.

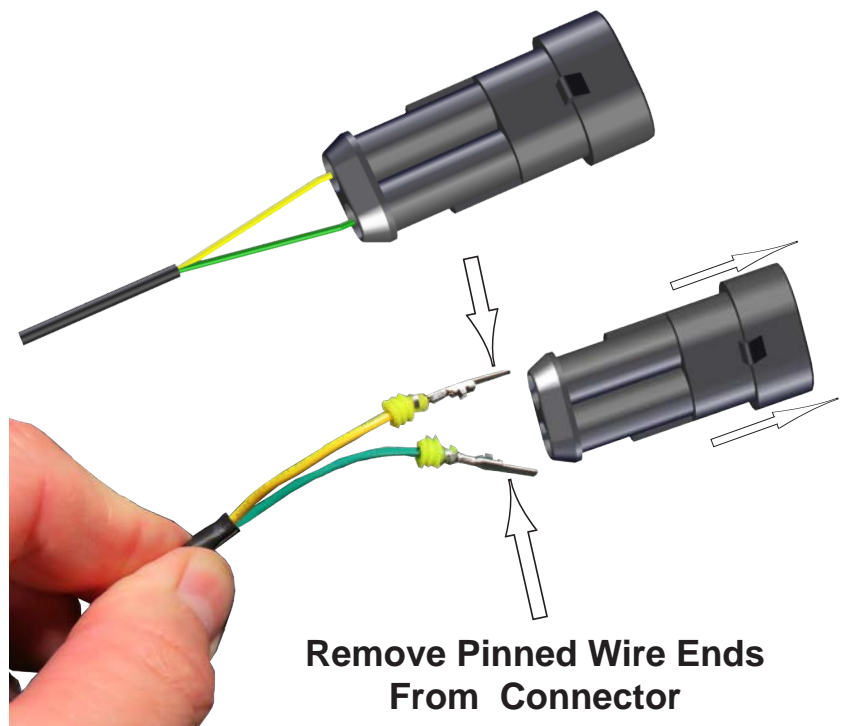


**Fig.22a**

23. Remove them by taking a pick or other and pulling them out of the cap as shown in **Fig.23a**. Once that is done, find the small connector with the Yellow & Green wires, and remove the pinned wire ends from the connector casing as shown in **Fig.23b**.



**Fig.23a**



**Fig.23b**



**24.**Next, **Plug the Yellow & Green Pinned Wires** into the **Cap** in the locations shown and make sure they snap into the connector secure. See **Fig.24a-b**. Then replace the Cap back onto the connector you removed it from. At this point you can try the signals out to see if they are working and functioning properly.

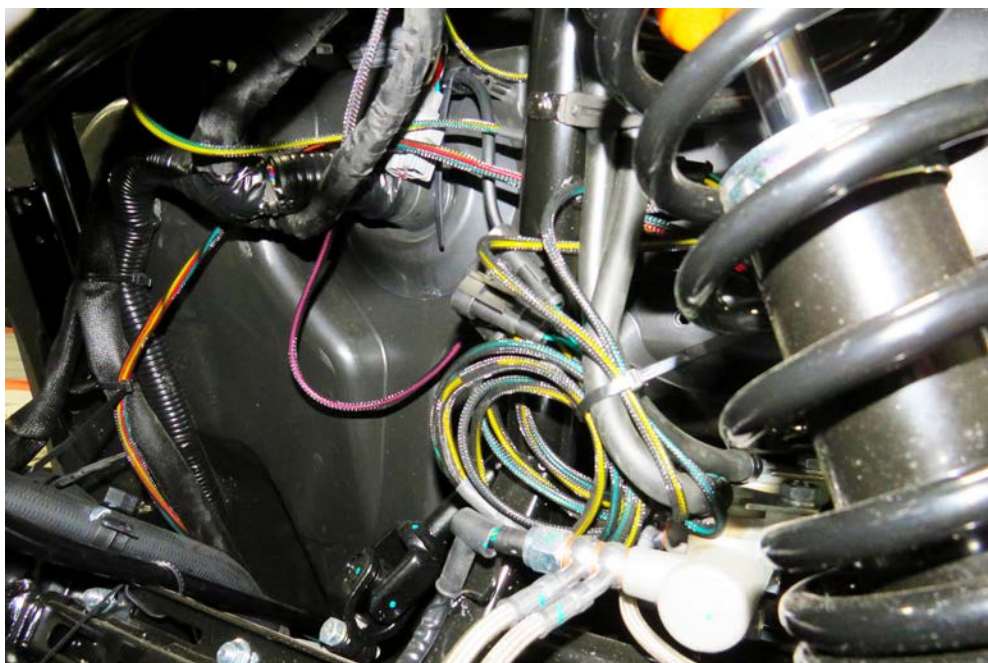


**Fig.24a**

**Fig.24b**

**NOTE:** The only thing not installed from your kit are the Turn Signal Cables and LED Harnesses for those, and you will not need these to have the turn signals work. This is due to the model vehicle you have, allows you to tap into the main system (via the pinned wire connector you just did) and utilize the factory electronics along with our system to enable the factory lights to function with this kit.

However, you have already run the harness cables up front previously as if to install. So you now have the choice to either install the LEDs provided in the kit as “Extra” signals, or just round up the cables on each side and Zip-Tie them secure for future use. Below shows how we chose to Zip-Tie ours up out of the way for future use.





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