DIGI-TAILS
DIGITAL TAILLIGHTS

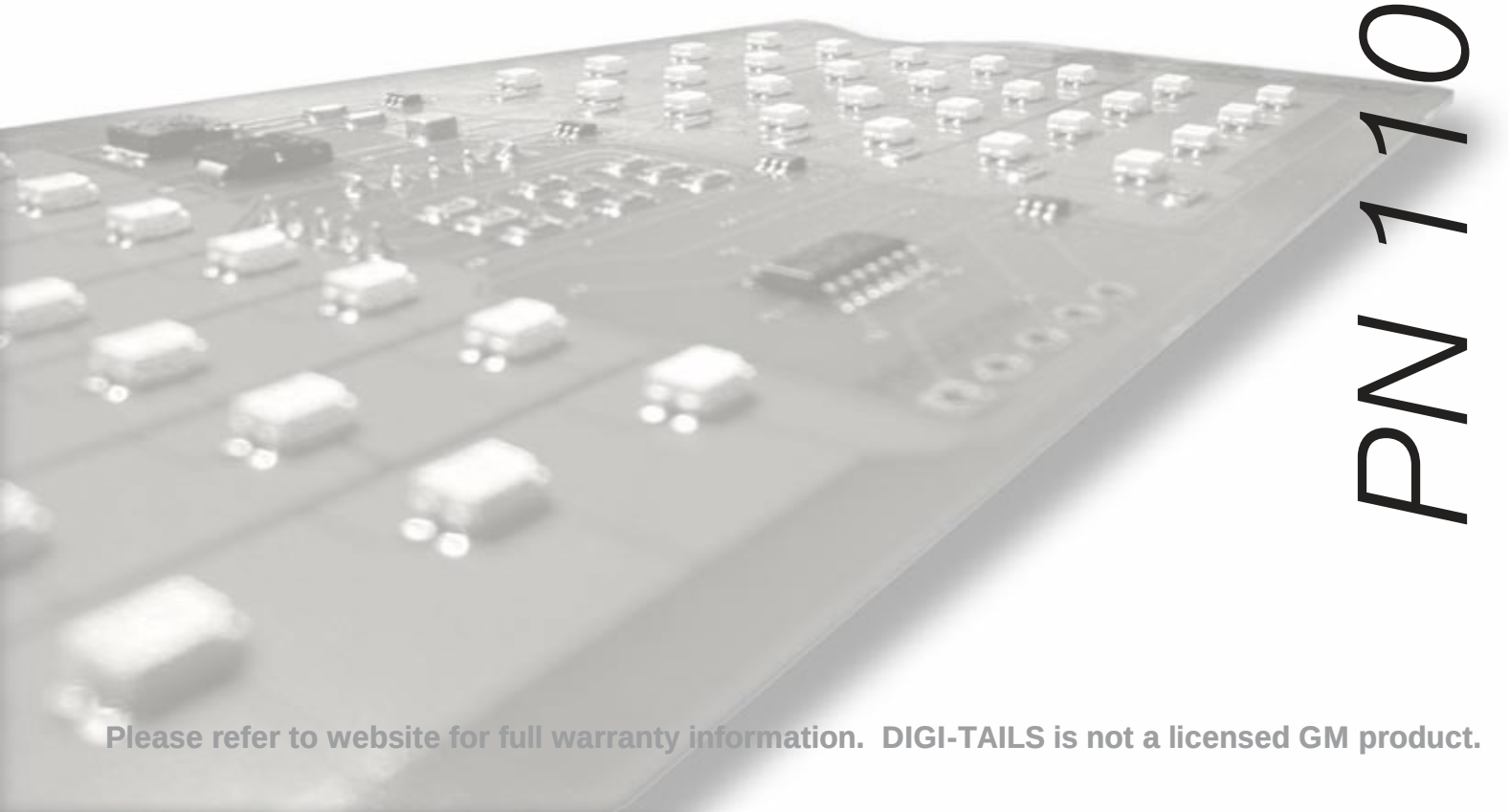
1971-72 OLDSMOBILE CUTLASS

4 Panel Sequential LED Taillight Kit Installation Guide

Kit Contents:

- **4** *LED panels*
- **1** *Connector/Wire Kit*
- **1** *Grommet/Boot Kit*
- **1** *Power wire*
- **2** *Pigtail Harness Kits*
- **1** *Crimp terminal Kit*

PN 1101271

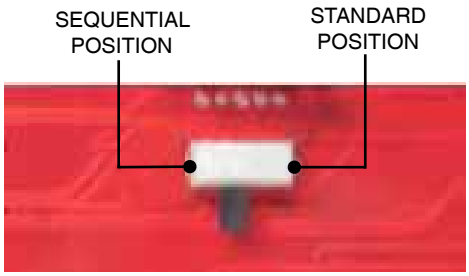


Please refer to website for full warranty information. DIGI-TAILS is not a licensed GM product.

Note

The LED boards are shipped with the slide switch set to sequential mode. We recommend that all slide switches be set to the same setting (either standard or sequential).

Please follow all local laws concerning exterior lighting.



Shown in sequential mode

Hint

You may begin with the LED panel installation, however, you will need to complete the wiring modifications before the LED panels and housings are paired as one. Read over the entire instruction guide to determine the method that works best for you.

LED PANEL INSTALLATION

1. **Cut off the power to your car.**

   Open the hood of your car. Disconnect the negative terminal from the battery, which will cut off the power in your car. To verify that the power is disconnected, press the brake pedal; your brake lights should not turn on.

2. **Remove the taillight housings and light sockets.**

   Remove the bulbs from the sockets. Remove the taillight housing assembly from the car. The original light sockets need to be removed. One way is to use vise grips and twist them out.



3. **Install the new boots.**

   From the inside of the housing, push the boot assembly into the socket hole until it sits flush. Do this for all 4 socket holes.



4. Install the Wire Harnesses.

From the inside of the housing, feed a wire harness through each of the boots. Pull the harness through so that the connector is pulled up to the boot. Each housing gets *1 long* and *1 short* harness. The position of which boot gets what length harness does not matter.



1. Pull the harnesses through the so that the connector is pulled up to the boot.

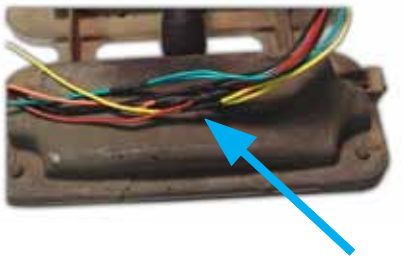
To protect the wiring from the elements, slide the shrink tube sleeve over the new wires down to the boot assembly. Position the shrink tube so that half of it is over the boot assembly and the half over the the wires then apply heat to seal shut.



2. Shrink tube shut the wires to the boot.

5. Join the harnesses.

Combine each pair of harnesses as one. Solder the shorter harness into the longer harness. Use shrink tube or electrical tape to cover the unprotected solder joints.

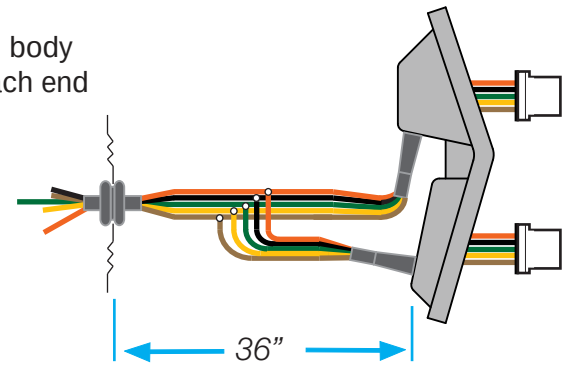


Cover bare wire with small shrink or electrical tape.

6. Install the body grommet.

Measure back 36 inches from the housing and position the body grommet assembly there. Position two shrink tubes on each end and apply heat to seal shut.





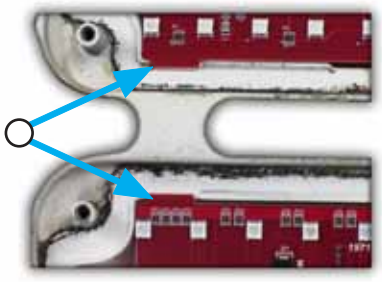
Hint

Removal of the inner lens reflector before re-installing the lens is optional, however, the LEDs will look more uniform when lit up with the reflectors removed.



7. Install the LED panels.

Test fit the LED panels to ensure proper placement. Each panel will fit snug between the housing grooves. Use adhesive to attach the LED panels into place.



LED panels press into grooves within the housing.

Each LED panel is marked DRIVER and PASSENGER side. If you accidently plug in a driver side panel into the passenger side housing, it will perfomr driver side functions. Regardless of the position, each LED panel will only operate as it was programmed to do so from the factory.



WIRE SPLICING INSTALLATION

1. **Review the wiring diagrams found on the last two pages.**

   All four LED panels need five connections.

ORANGE - *Constant 12 volt power source.*
BLACK - *Grounded to body.*
YELLOW - *Driver side turn signal.*
GREEN - *Passenger side turn signal.*
BROWN - *Running light signal.*

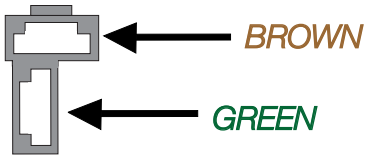
2. **Splice the LED panel wires into the original wires.**

   To have your new panels plug directly into the existing harness, use the included connectors and terminals.

DRIVER SIDE INSTALLATION	***Notes***
Dark Green	*Terminate Green LED harness wire with the additional Green wire provided.*
Yellow	*Crimp Yellow LED harness wire with the additional Yellow wire provided.*
Brown	*Terminate.*
Black	*Terminate with ring terminal.*



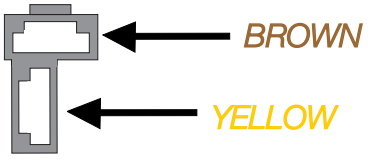
Looking at the backside of the black connector, lock in the GREEN and BROWN wires as shown.





PASSENGER SIDE INSTALLATION	***Notes***
Dark Green	*Crimp Green LED harness wire with the additional Green wire provided.*
Yellow	*Terminate Yellow LED harness wire with the additional Yellow wire provided.*
Brown	*Terminate.*
Black	*Terminate with ring terminal.*

Looking at the backside of the black connector, lock in the YELLOW and BROWN wires as shown.





3. Splice the Orange power wire into the T-Tap and the LED panel Orange wire.

An Orange power wire is supplied along with a T-Tap. The orange power wire must be supplied with a constant 12 volt battery supply for the LED circuitry to operate properly. The T-Tap connector is used to splice to the constant power source, like the dome light wire.

Splice the T-Tap connector into the constant power wire, then plug the orange wire into the T-Tap. The other end of the orange wire is spliced into the LED panel Orange wires.



1. Insert wire onto T-Tap



2. Crimp with pliers



3. Plug connector into T-Tap

4. Tuck and secure the spliced wires.

Take the spliced sections and fold them over to one side and tape them in place. This will allow you to place the wiring into loom or wrap the LED panel wiring tightly away.



1. Fold wires to one side.



2. Secure with electrical tape.

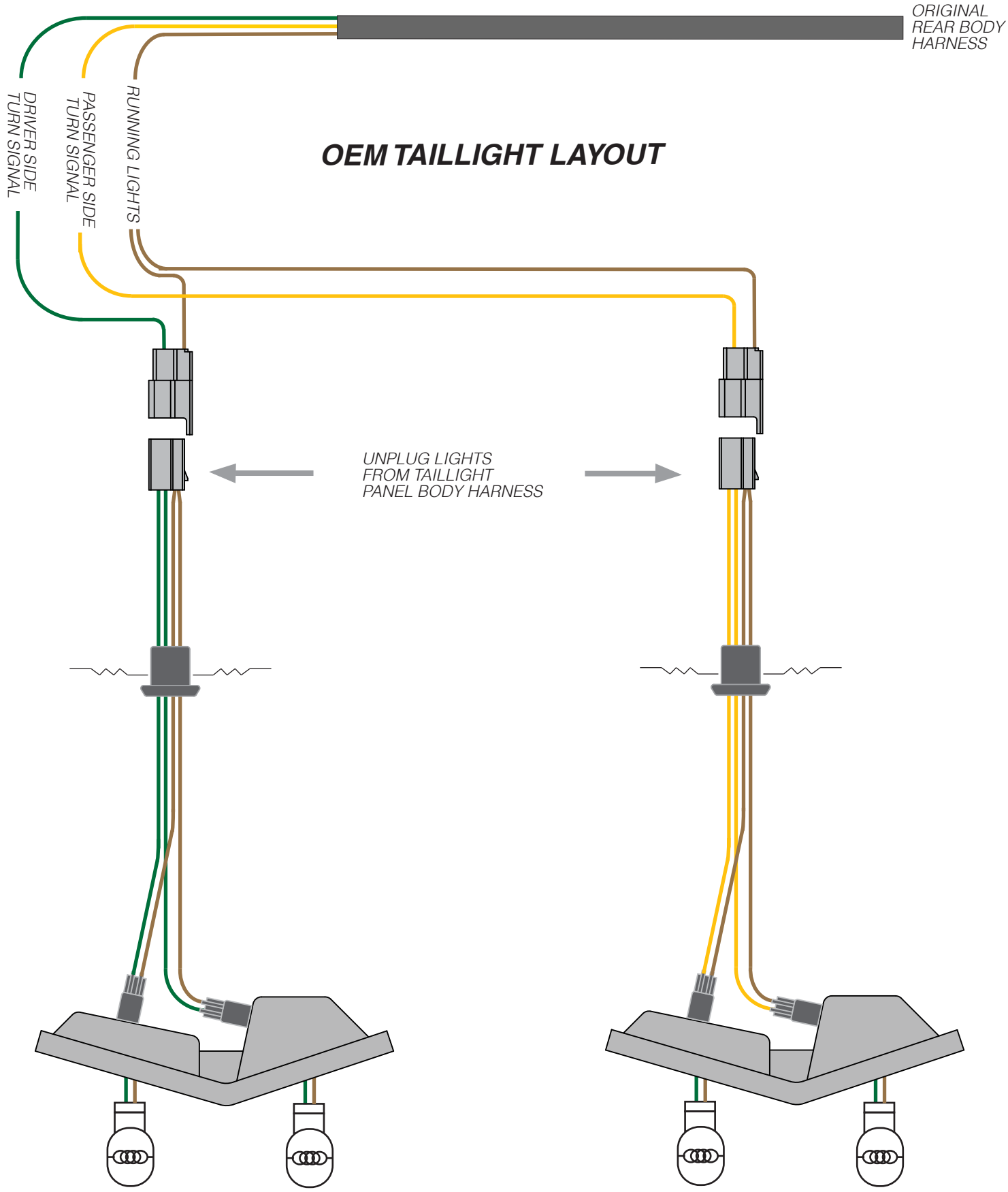
Note

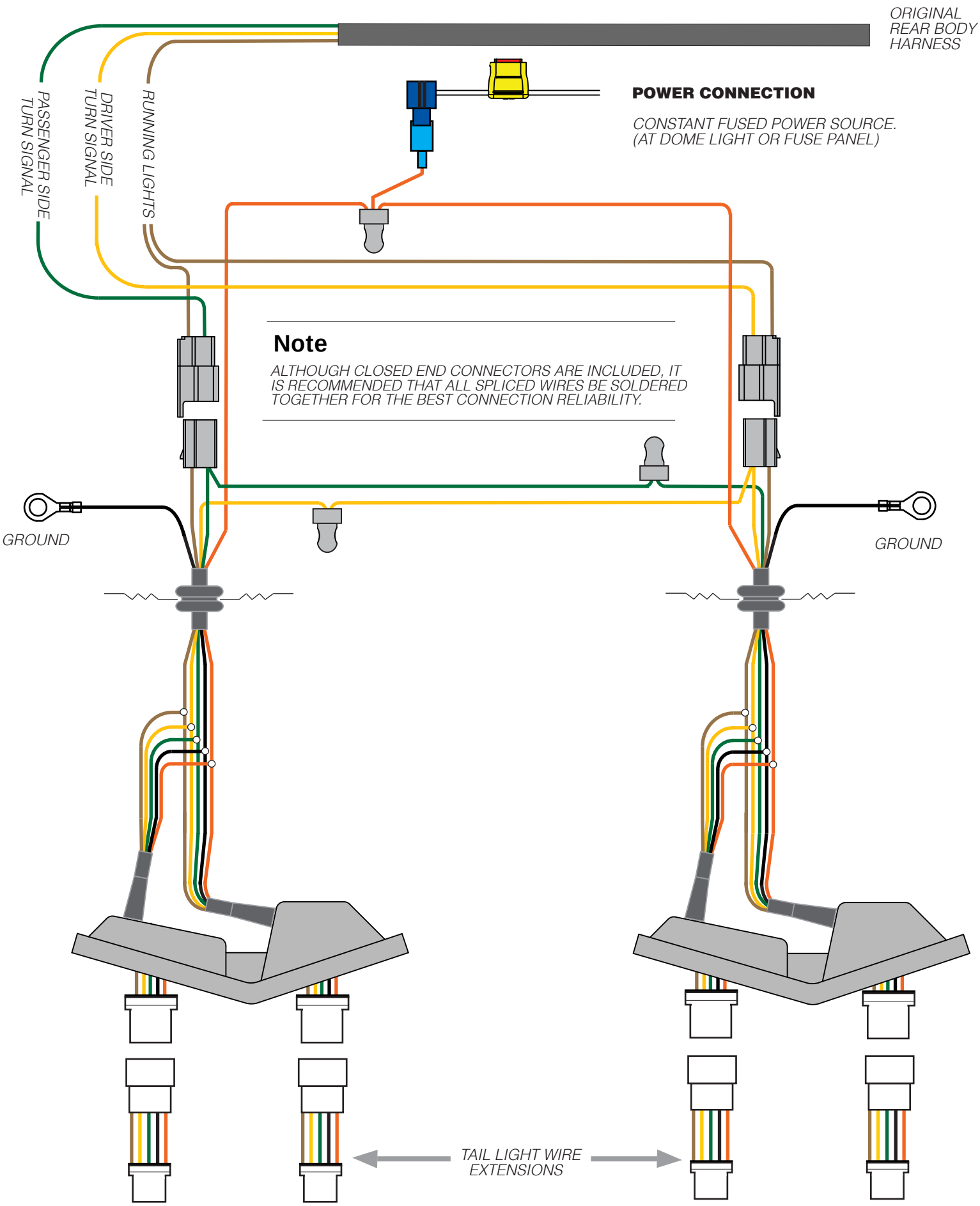
The LED light kits are designed for best performance when using an electronic no-load flasher. Shown here is an optional electronic no-load flasher (PN 200002) available from DIGI-TAILS.



The black wire must be grounded

If you decide to use a stock bi-metal flasher, we recommend a standard-duty flasher instead of a heavy-duty flasher. If your turn signal circuit includes front and rear LED turn signals, the circuit will not have enough resistance load to operate a heavy-duty bi-metal flasher, so the no-load flasher will be required for both the turn signal and emergency flashers.


ORIGINAL
REAR BODY
HARNESS
DRIVER SIDE
TURN SIGNAL
PASSENGER SIDE
TURN SIGNAL
RUNNING LIGHTS
OEM TAILLIGHT LAYOUT
UNPLUG LIGHTS
FROM TAILLIGHT
PANEL BODY HARNESS


ORIGINAL
REAR BODY
HARNESS
PASSENGER SIDE
TURN SIGNAL
DRIVER SIDE
TURN SIGNAL
RUNNING LIGHTS
POWER CONNECTION
CONSTANT FUSED POWER SOURCE.
(AT DOME LIGHT OR FUSE PANEL)
Note
ALTHOUGH CLOSED END CONNECTORS ARE INCLUDED, IT
IS RECOMMENDED THAT ALL SPLICED WIRES BE SOLDERED
TOGETHER FOR THE BEST CONNECTION RELIABILITY.
GROUND
GROUND
TAIL LIGHT WIRE
EXTENSIONS