



1981-87 BUICK REGAL

*2 Panel Sequential Amber LED Front Turn/Park Kit
Installation Guide*

Kit Contents:

- 2 LED panels
- 2 rubber grommets
- 1 power wire
- 1 pigtail harness kits
- 1 crimp terminal kits
- 4 mounting brackets
- 1 cut out template

PN 2100888

EMAIL: INFO@DIGI-TAILS.com

TECH: TECH@DIGI-TAILS.com

PHONE: 1-856-719-9989

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.



Slide switch

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.**

Disconnect the negative terminal from the battery to cut off the power in your car.

2. Remove and disassemble your taillights.

Turn the light sockets counter-clockwise to remove them from the tail light housings. As a safety precaution, remove the bulbs from the sockets. Put them aside since they will no longer be needed. Remove the taillight housing assembly from the car.

3. Attach the templates.

Cut the templates out along its lines and fit them onto its respective front light housing. Properly align the template against the housing lip and tape it down so it doesn't move during cutting.



TOP side of housing

4. Cut out the housing.

A Dremel tool with a 426 Dremel cut off wheel works very well. Dremel tool speed set on #7 and made the cuts very nicely. WEAR SAFETY GLASSES! After the cuts are made peel away the template and use a flat screwdriver to knock away the "Slag" of plastic around the edges. Then use a small screwdriver to knock away the "slag" along the Inside of the cuts for a nice finished edge.



TOP side of housing

Important Note

PROTECT THE EYES, WEAR SAFETY GLASSES! Make sure to take your time making cuts.

5. Plug in extension wires, grommets.

Feed the extension wires through the socket hole. Wrap the rubber grommet around the wires and press it into the socket hole. Once the LED panels are in place for good, you will still be able to easily plug and unplug the harness and remove the buckets.

Hint

You may need to trim away part of the grommet so it fits properly into the socket hole.



Hint

It is best to use a small flat head screw driver to work the grommets onto the socket holes.



6. Test fit the LED panels. **DO NOT MOUNT PERMANENTLY YET.**

Pre-fit the boards to make sure they fit and mounting brackets sit flush on the housing. Once everything fits remove any of the cutting dust and debris and dry out the inside of the bezels. Compressed air usually works best.



TOP side of housing



The above photo shows what the LED panels look like behind the lens. Removing the lens is not required.

Note

The LED panels will be mounted and sealed AFTER they are wired and tested.

WIRE SPLICING









7. Review the wiring diagrams found on the last page.

Each LED panel needs five connections. Listed are the LED harness colors and their respective function. Note: Depending on make and harness, colors may not match.

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

8. Find and access the front light socket and wires.

Splice the LED SIGNAL wires into the stock SIGNAL wires. Match the LED harness to the corresponding stock harness as shown below.

LED Harness	Function	Stock harness	Notes
 Green	Passenger side turn signal	 Dark Blue	The light socket ends on the car harness can be removed.
 Yellow	Driver side turn signal	 Light Blue	The light socket ends on the car harness can be removed.
 Brown	Running/Park signal	 Brown	The light socket ends on the car harness can be removed.
 Orange	Constant 12 volt	Find power at fuse panel/trunk light/dome light/fused battery feed.	
 Black	Ground	Ground to Body/chassis	

9. Connect all the ground wires.

Connect all the ground wires together. Bolt them to the trunk latch support along with the original rear body harness ground. The ground connection must be good in order to the operate the LED taillights.

10. 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.

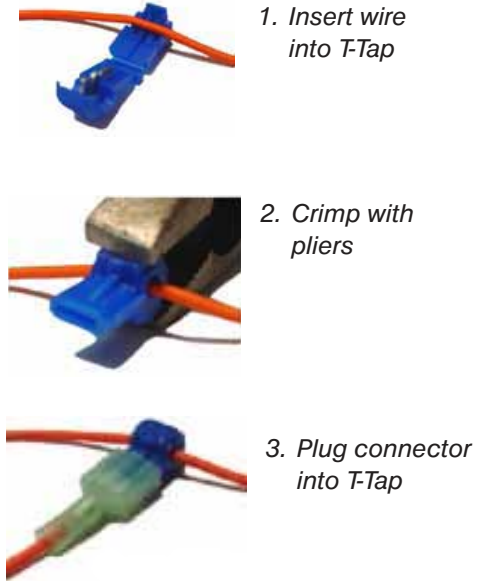


1. Fold wires to one side.
2. Secure with electrical tape.

11. Splice the Orange constant 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.



Note

A wiring diagram of the LED panel spliced into the car's stock harness is on the last page.

12. Test the LED function.

Slide the LED panels into the housing about halfway and plug them into the newly installed harness. The LED panel can then be fully inserted into the housing slot. Power up the lights and make sure that all the LEDs light properly before final installation is complete.



12. Mount LED panels.

Remove the protective cover from the double sided tape on the underside of the mounting bracket and insert the LED panel into the slot and press down firmly. Press in the plastic plug into the small top hole

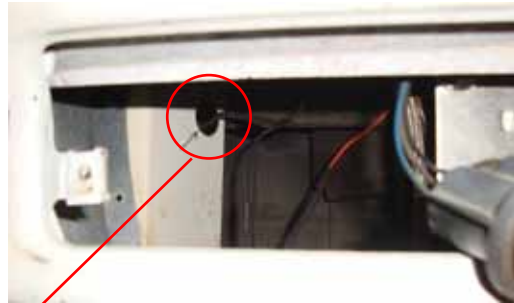


13. Seal the housings.

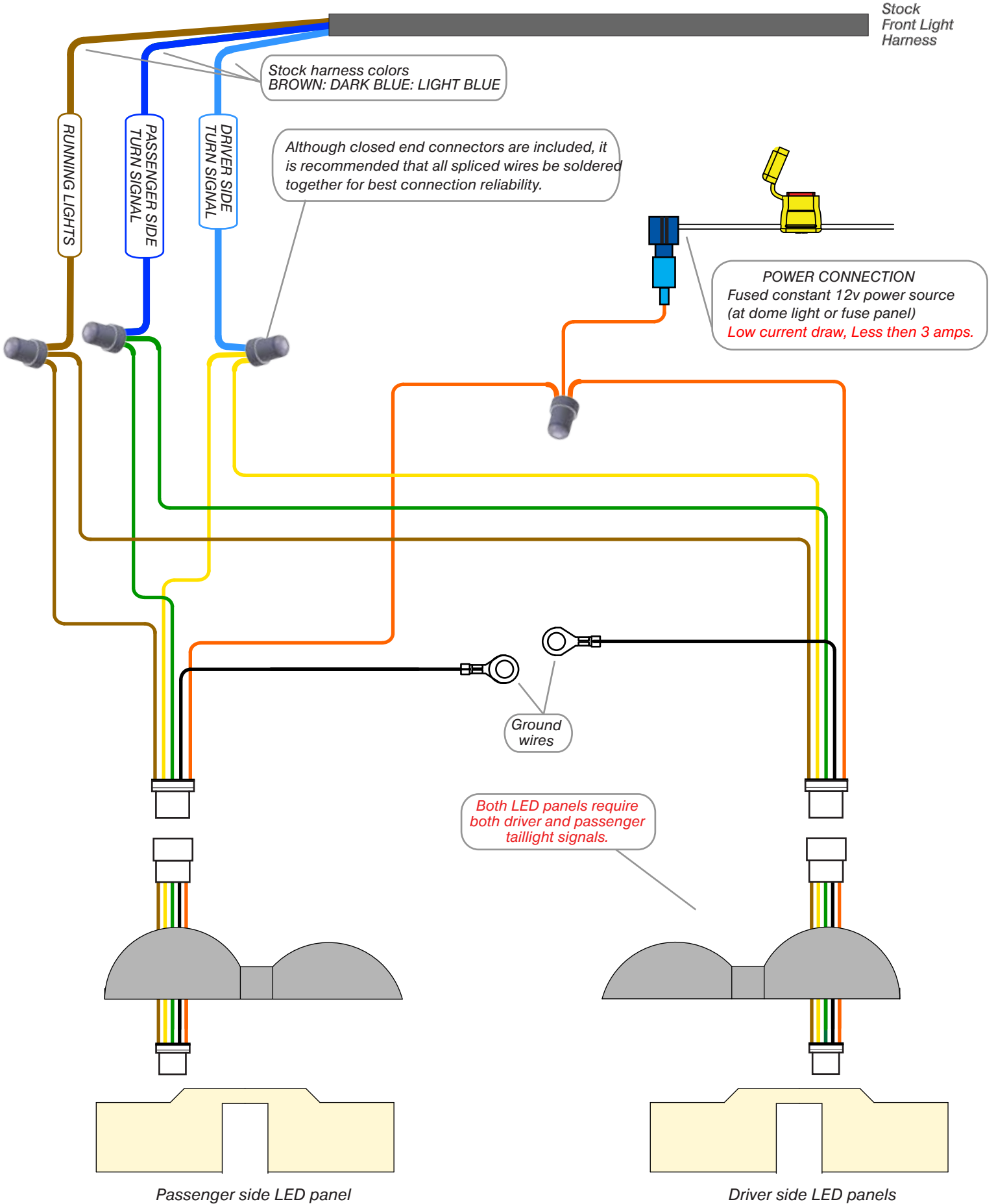
Using RTV silicone, seal the gaps around the LED panels and brackets. When dry there will be a weatherproof seal.

**14. Secure the bulb sockets.**

After removing the bulbs, fill the small bulb sockets with white lithium grease. Then wrap them with electrical tape and secure them out of the way. It works well to place the sockets into the hole located behind the opening of the marker light.

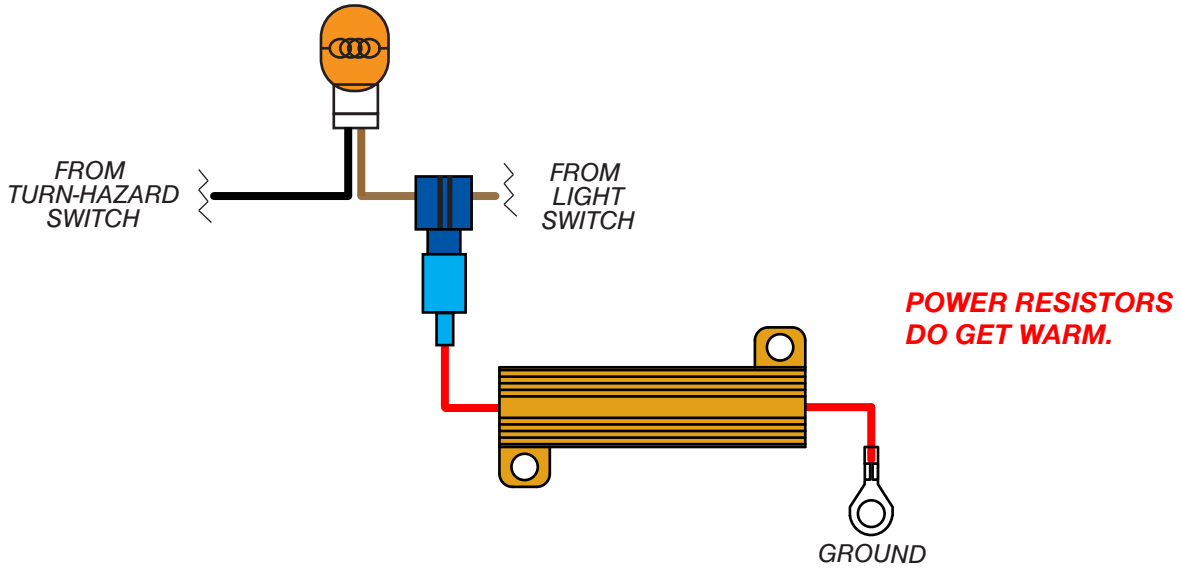


Bumper hole



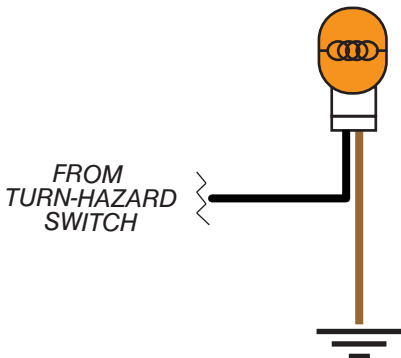
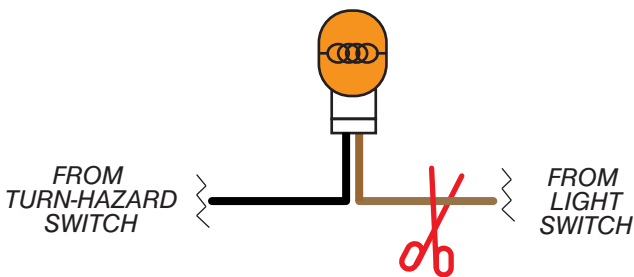
OPTION 1

To have the headlight marker lights operate as **NORMAL**, wire one end of the included load resistor to the **BROWN** wire and the other end to ground.



OPTION 2

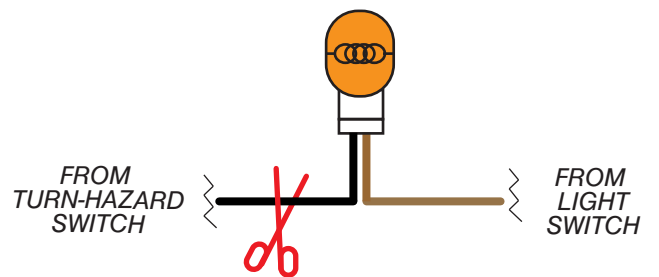
To have the headlight marker lights operate as **JUST A TURN SIGNAL** and not a running light cut the brown wire and connect it to ground.



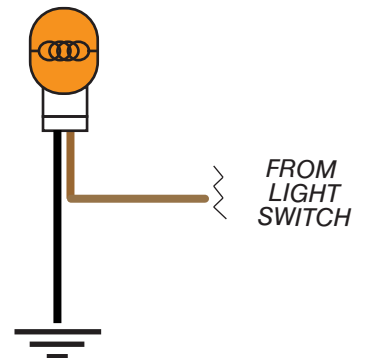
CORNER LIGHT WILL LIGHT AS A TURN SIGNAL ONLY.

OPTION 2

To have the headlight marker light operate as **JUST A RUNNING LIGHT** and not a turn signal cut the black wire and connect it to ground.



DO THIS ONLY IF ADDING RESISTORS DOES NOT WORK.



CORNER LIGHT WILL LIGHT AS A RUNNING LIGHT ONLY.