

# DIGI-TAILS

DIGITAL TAILLIGHTS

Sequential LED Tail Light Kit Installation Guide

## 1969 CHEVELLE

PN 1100469



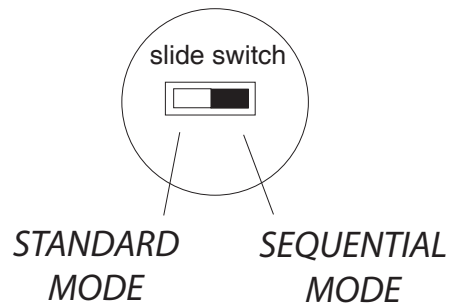
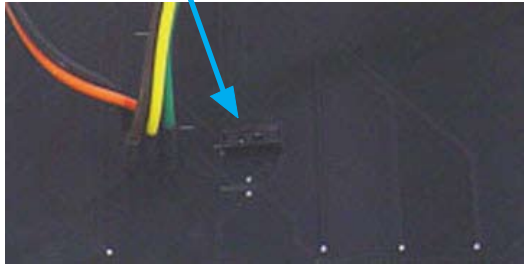
Please refer to Invoice for full warranty information.  
Digi-Tails is not a licensed GM product.

## Note

The LED boards are shipped with the slide switch set to Sequential mode. It is recommended that slide switches on all the LED boards be set to the same setting. (either standard or sequential).

Please follow all local laws concerning exterior lighting.

*Mode selection slide switch*



## LED CIRCUIT BOARD INSTALLATION

1

Remove the negative terminal from the battery to cut off all power in your car. Press on the brake pedal to double check that your brake lights are not lighting up.

2

Remove the light sockets from the tail light housings. As a safety precaution, remove the bulbs out of the sockets and put them away, they will no longer be needed.

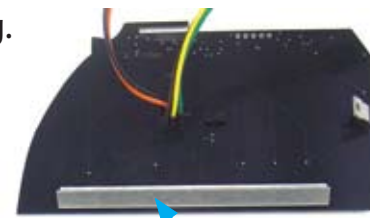
3

Remove the 4 screws that hold chrome bezel and lens onto the housing. Gently turn over the housing assembly and remove the bezel and lens and put it aside.



4

Test fit the LED board by feeding the wire through the light socket hole and positioning the LED board so the bracket sits flush. Also position the LED board so that the small arm portion of the LED board sits inside of the gasket groove. Once everything looks good take the LED board out of the housing. Apply a small amount of adhesive to the bottom side of the bracket that will sit on the housing.



2

*Apply adhesive on bracket.*

5

Re fit the board onto the housing and allow a few minutes for the adhesive to dry. Again, make sure the bracket sits flush and the arm portion sits inside of the gasket groove.



*LED board in place.*



*Arm portion sitting in gasket groove.*

6

Position the gasket in place . Make sure the gasket sits on top of the arm portion of the LED board. The gasket helps hold the board in place by pressing down on the arm portion of the LED board when the lens is screwed in place.

7

Carefully place the lens and bezel back onto the housing and screw on the 4 speed nuts that hold on the bezel and lens. Do not over tighten.

8

Place the included grommet around the wires and plug it into the light socket hole. The grommet will keep the wires from rubbing against the metal housing.



## Wire splicing installation

Pick a point in the rear body harness between the driver's side quarter panel and the driver's side tail light housing assembly and remove the cloth tape to expose the tail light wires.

Take the LED harness **DARK GREEN** wires and splice it with the original **DARK GREEN** wires.

Take the LED harness **YELLOW** wires and splice it with the original **YELLOW** wires.

The light socket ends on the car harness are no longer needed.

Take the LED harness **BROWN** wires and splice them in with the original **BROWN** wires. The ends going to the side marker lights must be included in the splice for the side markers to remain functional.

Take the **BLACK** ground wires and connect them all together. Bolt them to the trunk latch support along with the original rear body harness ground.

Note: A good ground connection is essential to the operation of the LED tail lights.

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 harness Orange wires.

*The last page is a wire diagram of how the LED harness splices into the car's original harness.*



*Insert wire onto T-Tap*

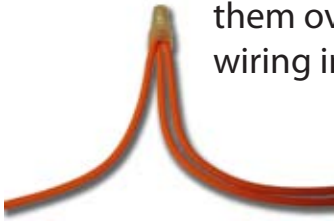


*Crimp with pliers*



*Plug connector into T-Tap*

To keep the wires neatly tucked and inline, 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 have the ability to wrap the LED harness wiring tightly away.



*Wires spliced together.*



*Fold wires over to a side.*



*Wrap with tape to hold in place.*

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 Spaghetti Engineering.

When using a stock bi-metal flasher, it is recommended that a standard duty flasher be used instead of a heavy duty flasher. If your turn signal circuit includes LED turn signals in the front as well as the rear, the turn signal circuit will not have enough resistance load to operate an original bi-metal flasher and this no-load flasher will be required for both the turn signal and hazard flashers.



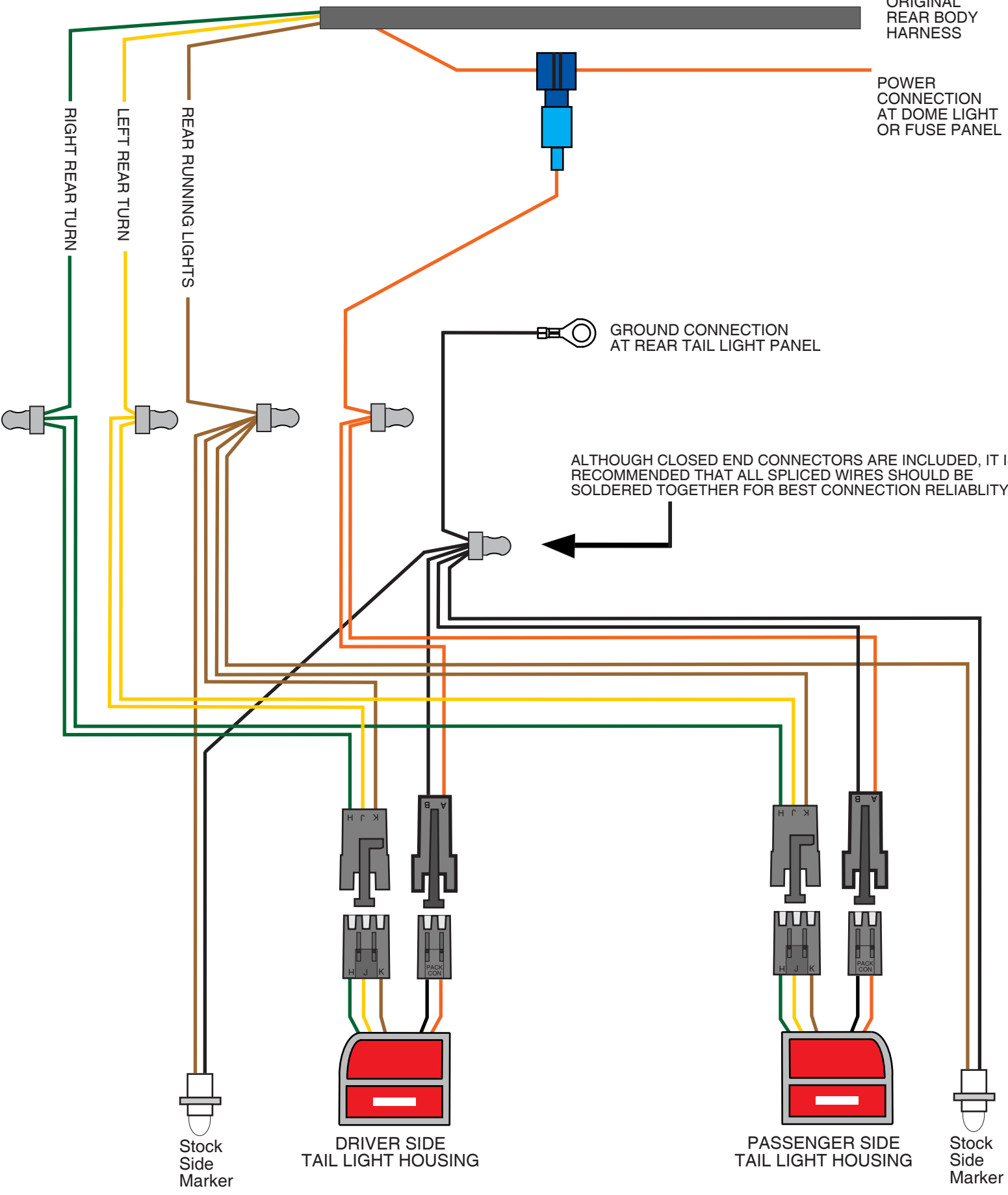
*Black wire must be grounded*

ORIGINAL  
REAR BODY  
HARNESS

POWER  
CONNECTION  
AT DOME LIGHT  
OR FUSE PANEL

GROUND CONNECTION  
AT REAR TAIL LIGHT PANEL

ALTHOUGH CLOSED END CONNECTORS ARE INCLUDED, IT IS  
RECOMMENDED THAT ALL SPliced WIRES SHOULD BE  
SOLDERED TOGETHER FOR BEST CONNECTION RELIABILITY.



RIGHT REAR TURN

LEFT REAR TURN

REAR RUNNING LIGHTS

Stock  
Side  
Marker

DRIVER SIDE  
TAIL LIGHT HOUSING

PASSENGER SIDE  
TAIL LIGHT HOUSING

Stock  
Side  
Marker