

# **DIGI-TAILS**

**D I G I T A L T A I L L I G H T S**

Sequential LED Tail Light Kit Installation Guide

**1970-1973 CAMARO**

**PN 1100270R**

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.

## 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 (turn them counter clockwise). As a safety precaution, remove the bulbs out of the sockets and put them away, they will no longer be needed.

3

Disconnect the rear body panel harness from the intermediate body harness. The disconnect is in the driver's side trunk just behind the rear side marker. The rear body harness will not be removed from the car. It will be modified in a later step to adapt to the LED harness.

4

Remove the tail light housing assembly from the car. Take all safety precautions to make sure you don't scuff or scratch the paint in any way. Separate the lens from the housing. The lens has tabs that are snapped into slots on the tail light housing. Be gentle when separating the two apart as the plastic lens is fairly fragile.

5

Cut the template out from the template sheet. This template is to position the LED board mounting holes. The template is marked to indicate its position on the housing. Place the template at the bottom of the housing so that the flat part of the template lines up with the flat part of the housing. Mark the position of the two holes that will need to be drilled. Repeat the same procedure for the other housing.

***We recommend that you drill small pilot holes and test fit the LED boards before drilling the final 0.32" (5/16") mounting holes. Deburr the drilled holes.***



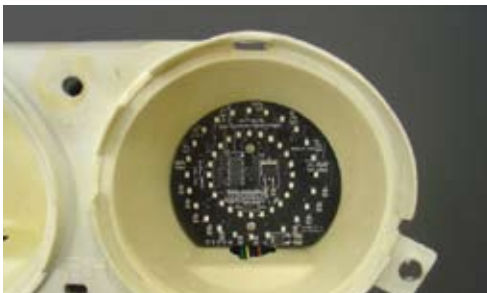
*Line template along red line shown.*



*Drill marked holes.*

6

Once the LED board is positioned and the standoffs match up to the drilled holes, use the included screws to secure the board into place. Route the wires through the light socket hole. The photo below shows the correct position of the LED board with mounting screws on the backside of the housing.



*Mounting Screws.*

*Each board is labeled DRIVER SIDE or PASSENGER SIDE*

7

Put the grommet around the LED board wires and plug the grommet into the light socket hole. The grommet seals the light socket hole to ensure nothing gets inside.



## 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*

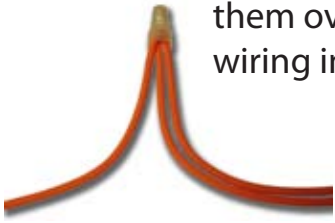


*Crimp with pliers*



*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*

