



# 1969-70 DODGE CHARGER

2 Panel Sequential LED Taillight Kit Installation Guide

## Kit Contents:

- **2** LED panels
- **6** rubber grommets
- **1** power wire with t-tap
- **1** driver side panel harness, 24"
- **1** passenger side panel harness, 48"
- **2** panel extension harnesses, 12"
- **1** harness crimp kit
- **12** mounting brackets

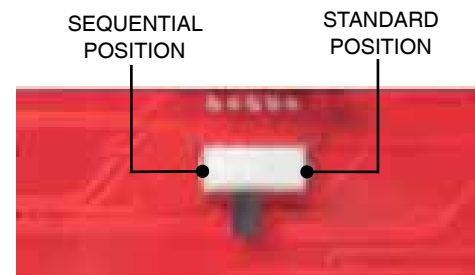
PN 1200269

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### 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

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### 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.*

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## LED PANEL INSTALLATION

### 1. Cut off the power to 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 current taillights.

Turn the light sockets counter-clockwise to remove them from the taillight 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. Disassemble the taillights.

Remove the taillight housing assembly from the car. Unscrew the lens from the housing. Be gentle when separating the two apart as the plastic lens is fragile. Take your time separating the two apart and don't use excessive force to break the lens free.

### 4. Identify the LED panels.

Each LED panel is labeled **DRIVER** and **PASSENGER**, identifying where each respective LED panel is to be mounted.

### 5. Attach the mounting brackets.

Before attaching the brackets, wipe the housing clean so there is a fresh surface to adhere to. Attach three brackets along the lower edge and three along the upper edge. The surface of bracket tape should be flush with the housing edge. This will ensure that the LED panel is straight over the entire length of the housing.



*Mounting bracket should be flush with the housing lip.*



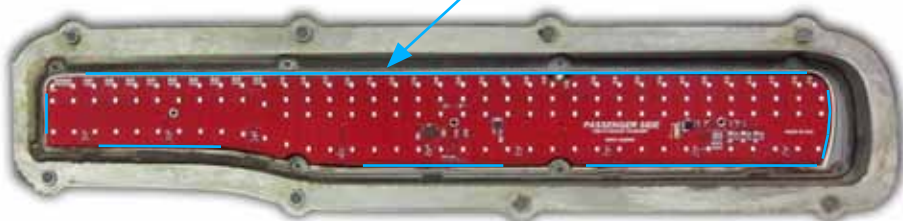
*All six mounting brackets placed.*

### 5. Mount the LED panels.

Test fit the LED panel to assure a proper fit. Once satisfied, peel the remaining protective plastic from the mounting brackets and carefully attach the LED panel making sure all the gaps between the LED panel and the housing are equal and parallel.



*Equal gaps between the LED panel and housing.*



## NOTE

We have found the provided double sided tape works well and has a strong bond once it has been securely pressed to its mounting surface. For an extra sense of security, a few seams of silicone may also be added. Note, the products used to mount the LED panels do not alter the original housing in any way.

**7. 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.

The slide switch is accessible through the light socket hole. This allows you to change the LED setting to standard or sequential without taking out the LED panels.

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**Hint**

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

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## WIRE SPLICING INSTALLATION

### 1. 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** - Running/parking light signal.









**GREEN** - Driver side turn signal.

**BROWN** - Passenger side turn signal.

### 2. Find and access the taillight wires.

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

### 3. 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   |
|--|----------------------------|---|---|
|  Brown  | Passenger side turn signal |  Brown | The light socket ends on the car harness can be removed.            |
|  Green  | Driver side turn signal    |  Green | The light socket ends on the car harness can be removed.            |
|  Yellow | Running/Park signal        |  Black | Running light wires.<br><b>THIS IS NOT THE CAR'S GROUND.</b>        |
|  Orange | Constant 12 volt           |   | Find power at fuse panel/trunk light/dome light/fused battery feed. |
|  Black  | Ground                     |   | Ground to Body/chassis  |

### 4. 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 operate the LED tail lights.

5. Supply the LED panel harnesses with a constant 12 volt feed using the included **Orange** power wire and T-Tap.

An Orange power wire is supplied along with a T-Tap. The orange power wire must be powered with a constant 12 volt battery supply for the LED circuitry to operate properly. You can use the included T-Tap connector to splice to a constant power source, like the dome light, trunk light, fuse box, etc.

Splice the T-Tap connector over the constant power source, then plug the orange wire into the T-Tap. The other end of the orange power wire is tied in with the orange wires of all the LED panel harnesses.



1. Insert wire into T-Tap



2. Crimp with pliers



3. Plug connector into T-Tap

6. 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.

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## Note

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

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7. Place the grommet around the wires and replace the lens.

Place the grommet around the panel wires and press it into the light socket hole. Test the lights to ensure correct function, then place the lens back onto the housing.



Grommet in position.

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## Note

The LED light kits are designed for best performance when use an electronic no-load flasher. Shown here is an optional electronic no load flasher available from DIGI-TAILS, (PN 20-F2)



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.

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