

## 1967-68 PONTIAC FIREBIRD

6 Panel Sequential LED Taillight Kit w/LED Reverse Installation Guide

### Kit Contents:

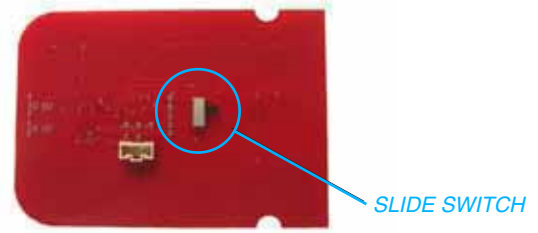
- **6** LED panels
- **6** rubber grommets
- **1** power wire with t-tap
- **2** driver side panel harness, 24" (5 pin)
- **2** passenger side panel harness, 48" (5 pin)
- **4** panel extension harnesses, 12" (5 pin)
- **1** driver side center panel harness, 24" (6 pin)
- **1** passenger side center panel harness, 48" (6 pin)
- **2** center panel extension harnesses, 12" (6 pin)
- **3** harness crimp kits

PN 1100567R

**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.



**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 taillights.**

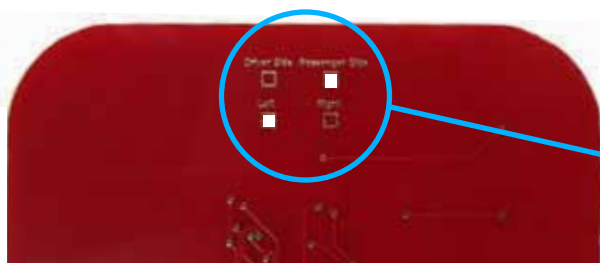
Turn the light sockets counter-clockwise to remove them from the tail light housings. As a safety precaution, remove the bulbs from the sockets. Put them aside since they will no longer be needed. Remove the tail light housing assembly from the car.

**3. LED panel orientation.**

The 2 center LED panels are labeled on the frontside lower left corner. The location of these LED panels are labeled LEFT (driver) or RIGHT (passenger).



The 4 larger LED panels have 4 check boxes imprinted on the backside. The location of these LED panels are determined by which check boxes are filled with ink. The panel shown below is marked PASSENGER SIDE, LEFT. This means it will be placed in the passenger side housing in the left section (closest to the center of the car).



<i>DRIVER Side</i>	<i>PASSENGER Side</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>LEFT</i>	<i>RIGHT</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Each LED panel is labeled marked *PASSENGER* and *DRIVER* side.

(Passenger side, left marked)

#### 4. 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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#### 5. Mount the LED panel assemblies

The LED panels are secured to the housing with the original lens. Set the LED panels in their final position and re-install the lens. The LED panels will fit into the contour of the housing.



#### 6. Access to LED panels.

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

## WIRE SPLICING INSTALLATION

**1. Review the wiring diagrams found on the last page.**









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

**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.**

### ALL PANELS (EXCLUDING CENTER PANELS)

LED Harness	Function	Stock harness	Notes
 Green	Passenger side turn signal/ Brake light signal	 Green	The light socket ends on the car harness can be removed.
 Yellow	Driver side turn signal/ Brake light signal	 Yellow	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

### CENTER PANELS ONLY

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

**Note about  
brake lights**

There is no dedicated Brake light signal wire. When the brake pedal is pressed the brake switch sends power into the turn signal switch and then power through both the driver and passenger signal wires to activate the brake lights.

#### 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.

### Note

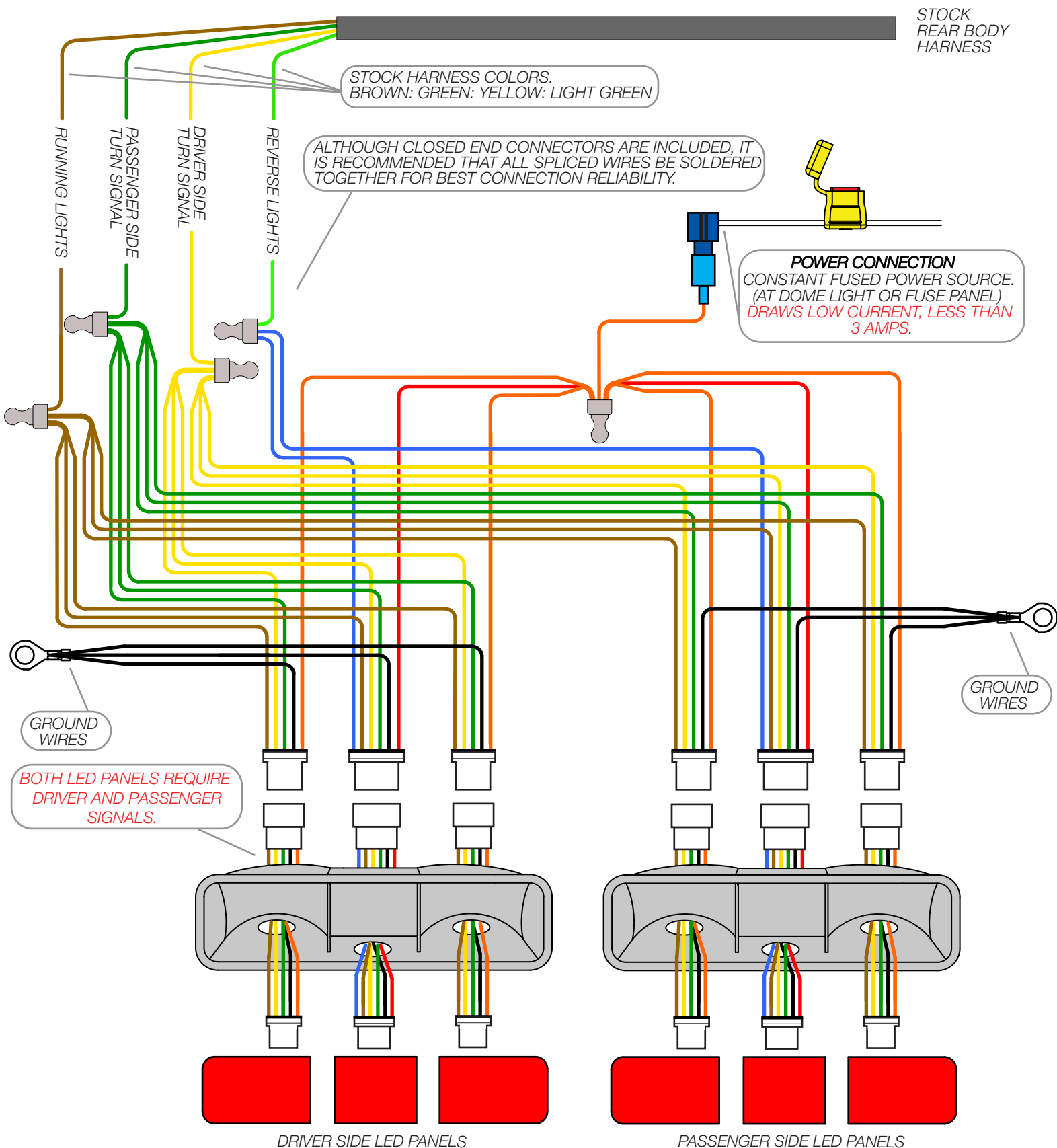
A wire diagram of the LED panel's harness spliced into the car's stock harness is on the last page.

### 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.



STOCK REAR BODY HARNESS

STOCK HARNESS COLORS. BROWN: GREEN: YELLOW: LIGHT GREEN

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

POWER CONNECTION  
CONSTANT FUSED POWER SOURCE. (AT DOME LIGHT OR FUSE PANEL) *DRAWES LOW CURRENT, LESS THAN 3 AMPS.*

GROUND WIRES

*BOTH LED PANELS REQUIRE DRIVER AND PASSENGER SIGNALS.*

GROUND WIRES

DRIVER SIDE LED PANELS

PASSENGER SIDE LED PANELS

**FOR KITS WITH LED REVERSE LIGHTS.**  
CONNECT THE LED PANEL'S **BLUE** WIRE TO THE VEHICLE'S **LIGHT GREEN** REVERSE LIGHT SOCKET WIRE. THE OTHER WIRE ON THE REVERSE LIGHT SOCKET ( GROUND WIRE ) IS NOT USED.