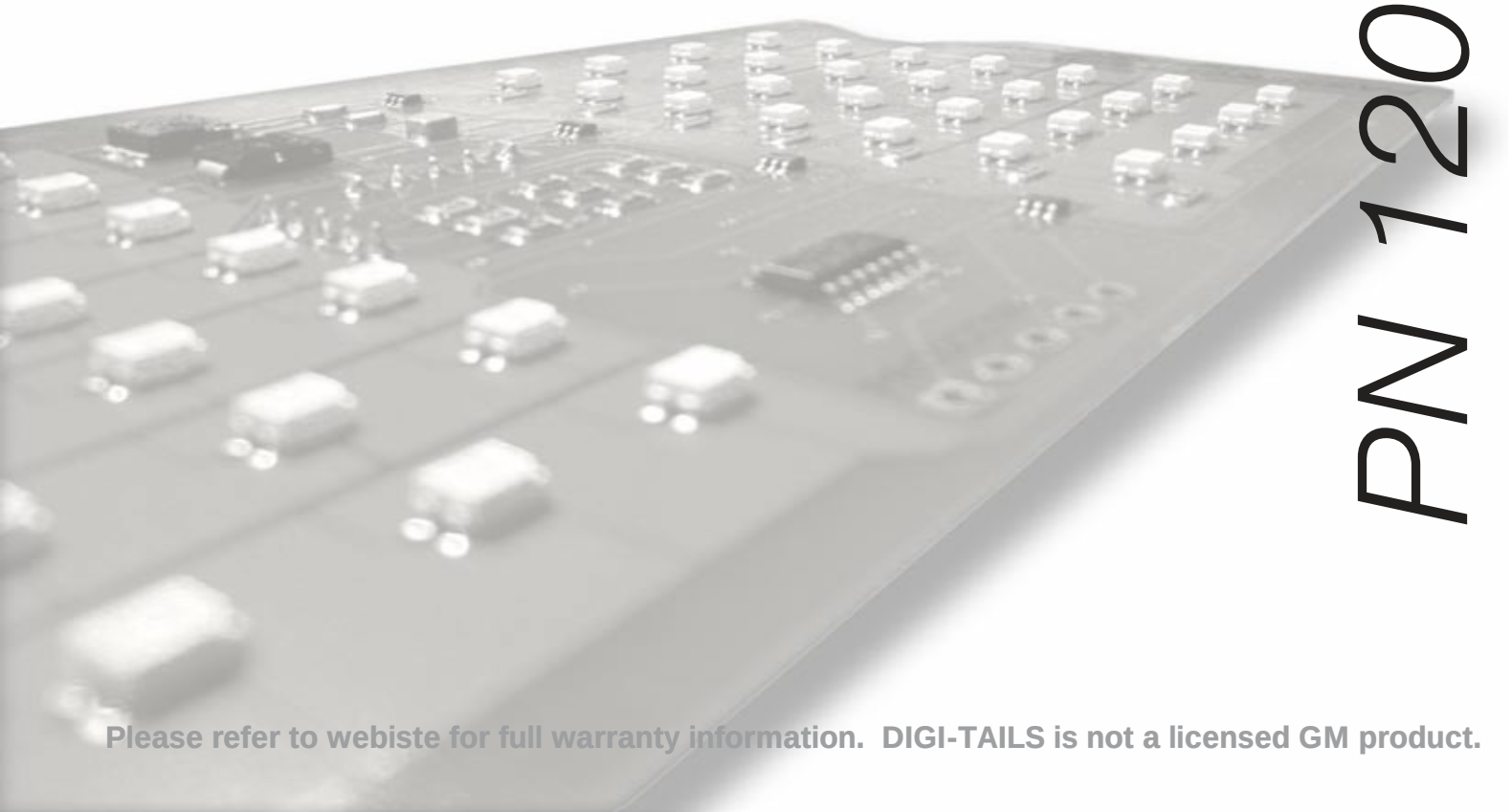
DIGI-TAILS
DIGITAL TAILLIGHTS

1967 BELVEDERE GTX

Two Panel Sequential LED Tail Light Kit Installation Guide

Kit Contents:

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

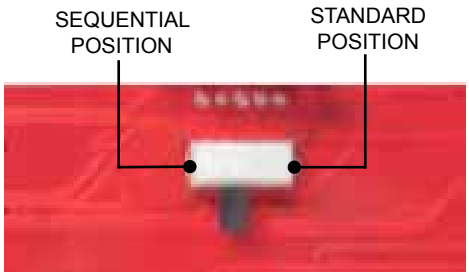


PN 1200567

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

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.

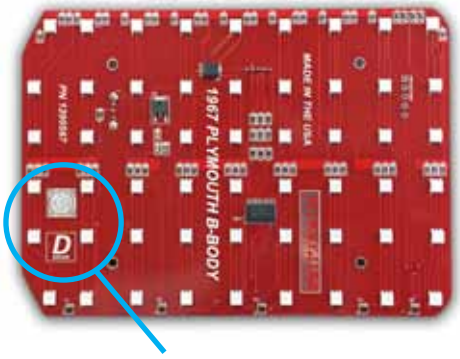
Open the hood of your car. Disconnect the negative terminal from the battery, which will cut off the power in your car. To verify that the power is disconnected, press the brake pedal; your brake lights should not turn on.

2. Remove the current tail lights.

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. Position the LED panels.

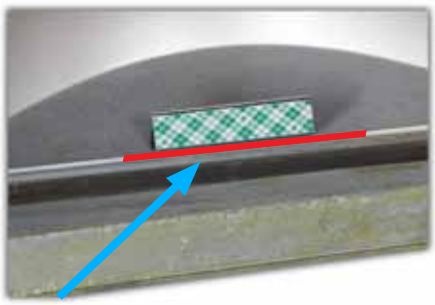
Each LED panel is marked Driver Side and Passenger Side on the front side of the LED panel, which identifies where each respective LED panel is to be mounted.



The Driver Side LED panel is shown above.

4. Attach mounting brackets.

Before attaching the brackets, wipe the housing clean so there is a fresh surface to adhere to. Attach 1 bracket on each side of the housing. The surface of the bracket tape should be flush with the housing edge. This will ensure that the LED panel will sit flat and par ell el to the housing.



Mounting bracket should be flush with the housing lip.

Brackets mounted

5. Plug in extension harnesses.

Feed the extension harness through the socket hole and plug them onto the LED panels. Using these extension harnesses allows for easy removal of the tail light assembly in the future if needed.

6. Mount the LED panels.

Test fit the LED panels into place before they permanently attached to the brackets. Be certain that the LED panels are parallel with the housing edge then peel of the remaining protective tape and affix the LED panels.

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/ Brake light signal*	Brown	*The light socket ends on the car harness can be removed.*
Green	*Driver side turn signal/ Brake light signal*	Green	*The light socket ends on the car harness can be removed.*
Yellow	*Running/Park signal*	Black	*Running light wires. THIS IS NOT THE CAR'S GROUND.*
Orange	*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 the 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 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.

Spice 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.

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

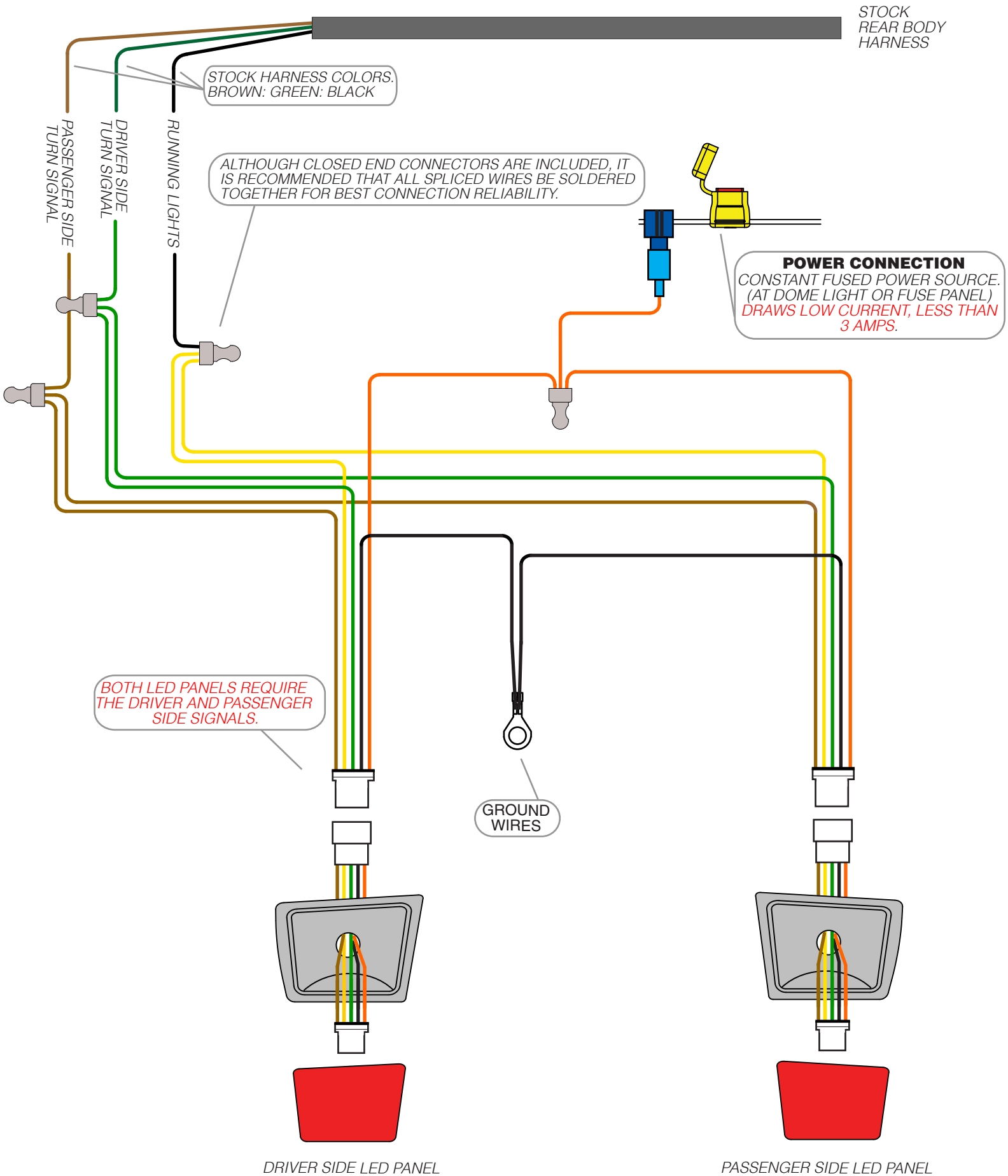
Place the grommet around the panel wires and press it into the light socket hole. Test the lights to ensure correct function, then place the lens back onto the housing.

Grommet in position.

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: BLACK
PASSENGER SIDE
TURN SIGNAL
DRIVER SIDE
TURN SIGNAL
RUNNING LIGHTS
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)
DRAWS LOW CURRENT, LESS THAN 3 AMPS.
BOTH LED PANELS REQUIRE THE DRIVER AND PASSENGER SIDE SIGNALS.
GROUND WIRES
DRIVER SIDE LED PANEL
PASSENGER SIDE LED PANEL