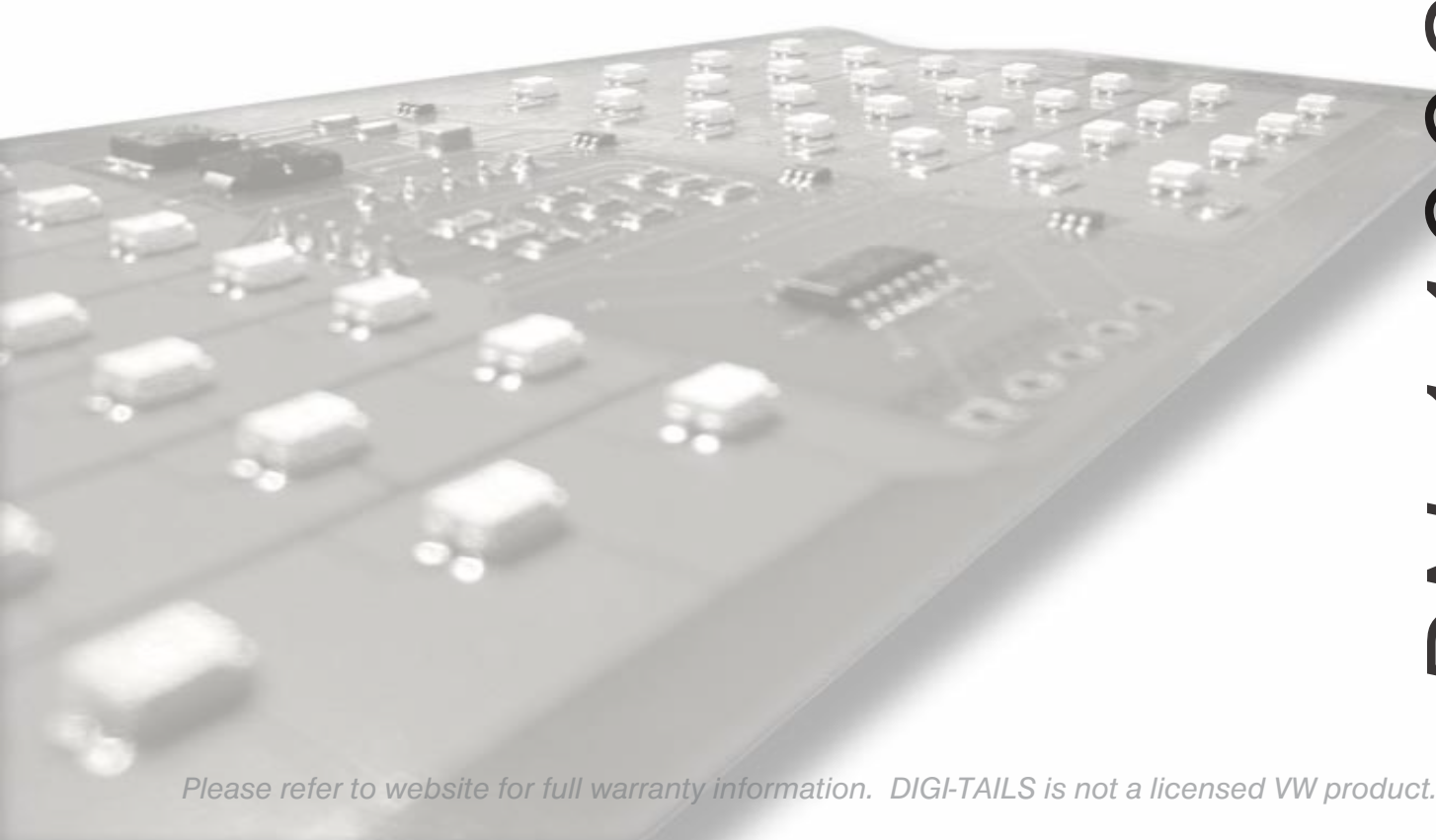
DIGI-TAILS
DIGITAL TAILLIGHTS

1970-71 Karmann Ghia - Red lens

2 Panel Sequential LED Taillight Kit Installation Guide

Kit Contents:

- 2 LED panels
- 1 12v power wire
- 1 pigtail harness kit
- 1 crimp terminal kit
- 2 lens dividers



PN 14003370

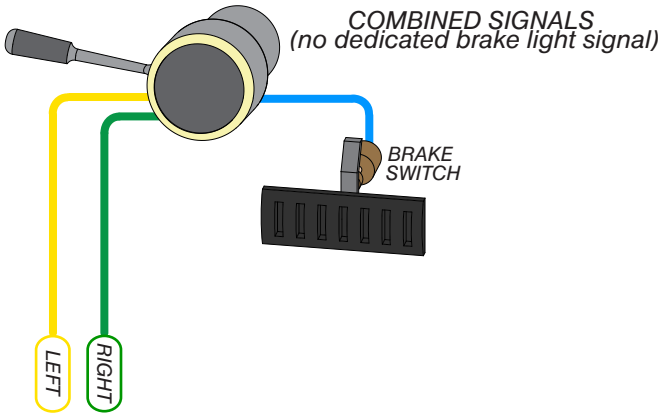
All LED panels are shipped with the slide switch set to SEQUENTIAL mode. The slide switches must be set to the same setting (either standard or sequential). Please follow all local laws concerning exterior lighting.

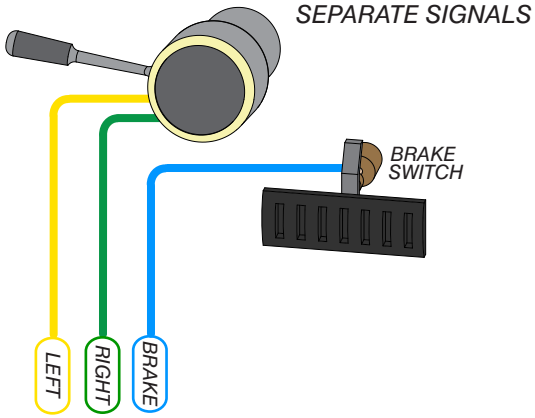
You may begin with the LED panel installation, however, you will need to complete the wiring modifications before the LED panels and housings are paired as one. Read over the entire instruction guide to determine the method that works best for you.

If you have any questions give us a call or e-mail us. We can e-mail out more in depth troubleshooting notes, bench test procedures, and diagrams. You can also message us on Face book, @DIGI-TAILS, with your questions.

E-MAIL: *INFO@DIGI-TAILS.com* *TECH:* *TECH@DIGI-TAILS.com* *PHONE:* *1-856-719-9989*

All cars are either equipped with Combined Signals or Separate Signals. Verify that the LED taillight kit matches your car. If almost all instances our respective kits match your car. In the rare case it does not please contact us.





A Common question we get is; Why do all COMBINED signal LED taillight kits need both driver and passenger signals? Answer; All panels need both driver and passenger signals so that the circuitry on each panel knows if you are using the brakes or turn signals. This then allows the panels to run a sweeping motion for the turn signal and a separate sequence for the brakes.

Be sure to power up all LED panels and test all functions before any final installation.

If turn signals light up solid with no flash then check the flasher unit polarity as it may be reversed.

If LED panels don't operate properly once the park/run lights or headlights are on then the park/run wire may be crossed with other signal wires.

1. Open and modify the taillight housing.

Remove the taillight housing assembly from the car. Separate the lens from the housing and pop out the housing pocket.

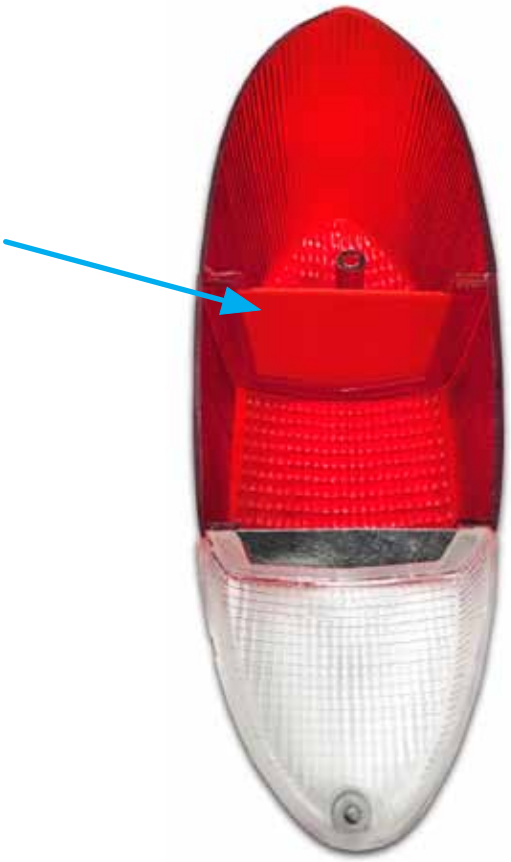
Using a flat head screwdriver you are able to gently pry the metal housing pocket out of the rivets.

2. Replace the lens divider.

For proper LED panel mounting pull out the metal divider from the taillight lens and replace it with the included red plastic divider.

Original

Replacement



3. Remove bulb socket.

Removing the bulb socket will allow the pigtail extension harness to connect to the LED panel.

Using a small flat head screwdriver you are able to pry the plastic bulb socket up and out.

4. Insert pigtail extension harness

Press on the original bulb socket grommet back onto the housing and feed the extension harness through it. Pull the harness forward about halfway to allow some slack to be able easily connect to the LED panel later on.

4. Test fit the LED panels

Each LED panel is labeled **PASSENGER** and **DRIVER** on the backside. Pre-fit the LED panels to make sure they fit sit flush on the housing.

Set the lens in place. This will further align the LED panel in place so you can see exactly where it needs to sit.

5. Mount the LED panels.

Once you feel the fit is satisfactory and all functions work peel the protective plastic from the adhesive tape and attach the LED panels onto the mounting brackets.

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

   Each LED panel requires 5 connections. However, the brake and turn signal panels use different signals. 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 front light socket and wires.**

   Splice the LED SIGNAL wires into the stock SIGNAL wires. Match the LED harness to the corresponding stock harness as shown below.

DRIVER SIDE LED panel

LED Harness	*Function*	*Stock harness*	*Notes*
Green	*Brake Light Signal*	Black w/ Red trace	
Yellow	*DRIVER side turn signal*	Black w/ White trace	
Brown	*Run/Park signal*	Grey w/ Red trace	
Orange	*Constant 12 volt*	*Find power at fuse panel/trunk light/dome light/fused battery feed.*	
Black	*Ground*	*Ground to Body/chassis*	

PASSENGER SIDE LED panel

LED Harness	*Function*	*Stock harness*	*Notes*
Green	*Brake Light Signal*	Black w/ Red trace	
Yellow	*PASSENGER side turn signal*	Black w/ Green trace	
Brown	*Run/Park signal*	Grey w/ Red trace	
Orange	*Constant 12 volt*	*Find power at fuse panel/trunk light/dome light/fused battery feed.*	
Black	*Ground*	*Ground to Body/chassis*	

3. **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 panels.

4. **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.

5. **Splice the Orange power wire in with all LED panel Orange wires.**

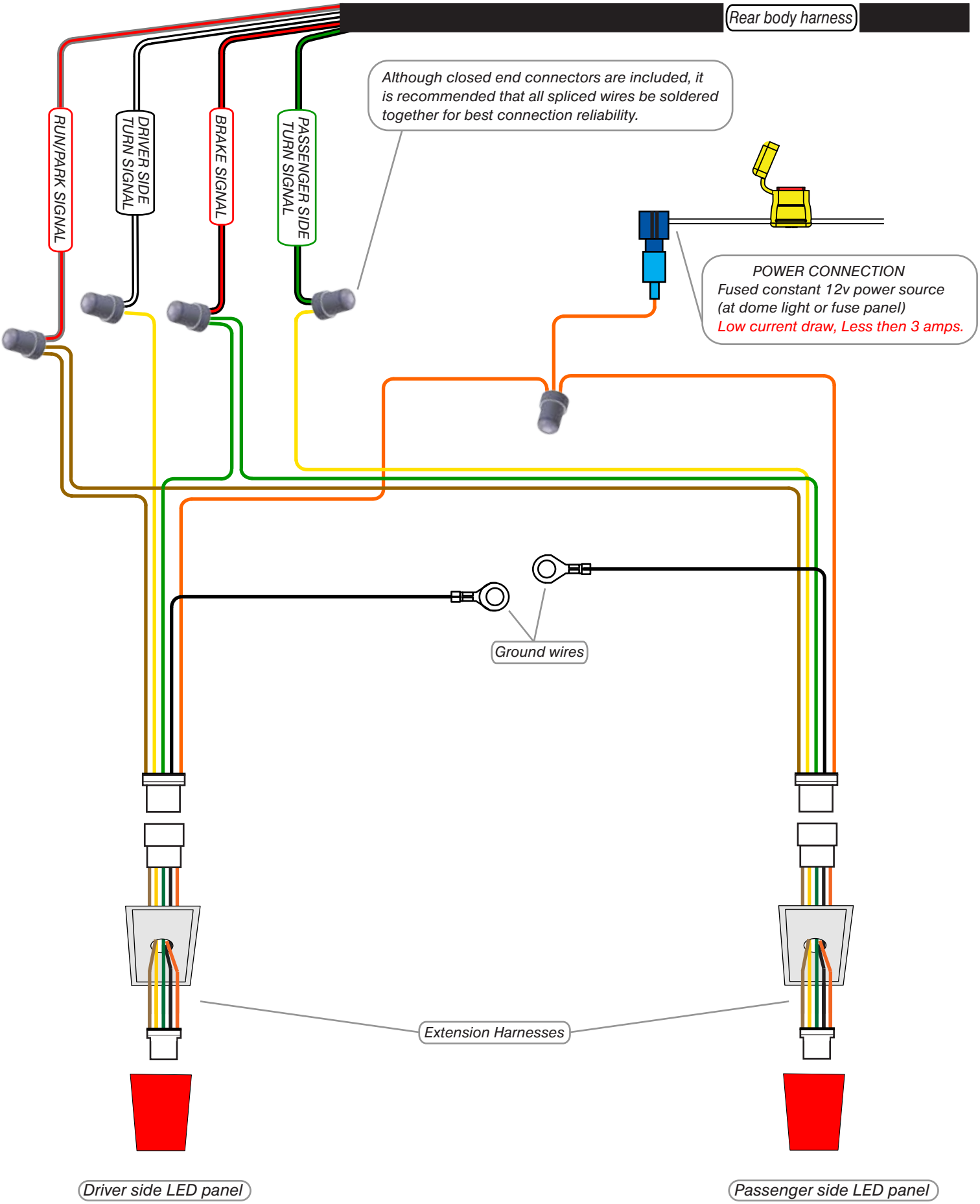
An Orange wire is supplied with a T-Tap. The orange wire must be supplied to a constant hot 12 volt supply for the LED circuitry to operate. The T-Tap connector is used to splice to the constant hot power source, like the dome light.

Splce the T-Tap connector into the 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 panel orange wires.

1. Insert wire into T-Tap

2. Crimp with pliers

3. Plug connector into T-Tap


Rear body harness
RUN/PARK SIGNAL
DRIVER SIDE TURN SIGNAL
BRAKE SIGNAL
PASSENGER SIDE TURN SIGNAL
Although closed end connectors are included, it is recommended that all spliced wires be soldered together for best connection reliability.
POWER CONNECTION
Fused constant 12v power source
(at dome light or fuse panel)
Low current draw, Less then 3 amps.
Ground wires
Extension Harnesses
Driver side LED panel
Passenger side LED panel