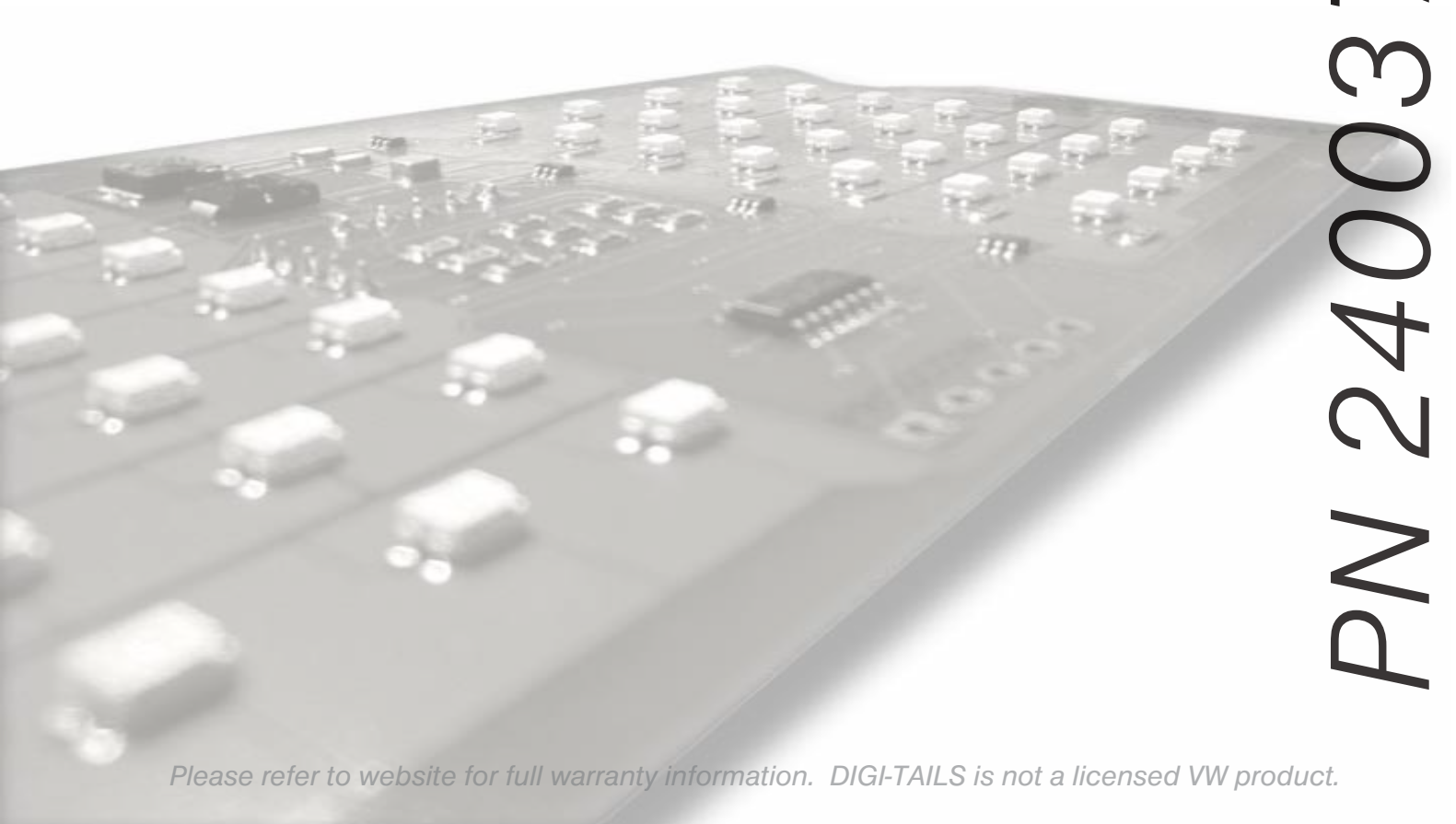# DIGI-TAILS
D I G I T A L   T A I L L I G H T S

1970-74 Karmann Ghia

2 Panel Sequential Amber LED Front Turn/Park Kit Installation Guide

Kit Contents:

- 2 LED panels
- 1 12v power wire
- 1 pigtail harness kit
- 1 crimp terminal kit
- 2 blue grommets
- mounting hardware
- 2 amber BA9S bulbs

PN 2400370

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.
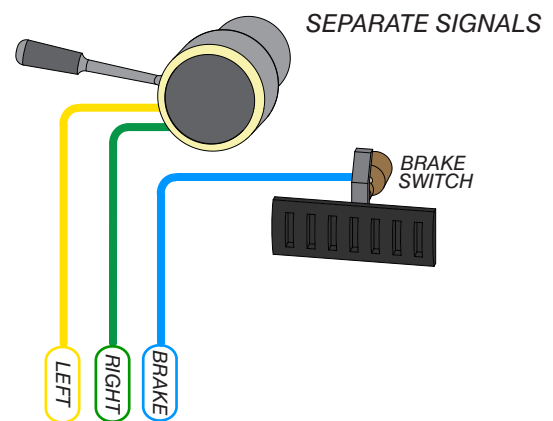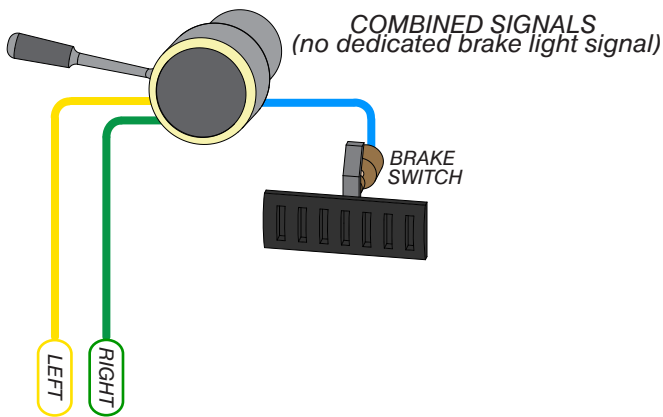
SLIDE SWITCH

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.

COMBINED SIGNALS
(no dedicated brake light signal)

SEPARATE SIGNALS

BRAKE SWITCH

BRAKE SWITCH

LEFT   *RIGHT*

LEFT   *RIGHT*   *BRAKE*

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 the light housing.

> Remove the parking light housing assembly from the car. Separate the lens from the housing , remove the black light seal, pull out the original socket, and clean out any dirt or debris.

2.   Install LED extension harness

> Wrap the blue grommet around the LED extension harness about midway down.
> Then from the backside feed through the harness and press on the grommet.
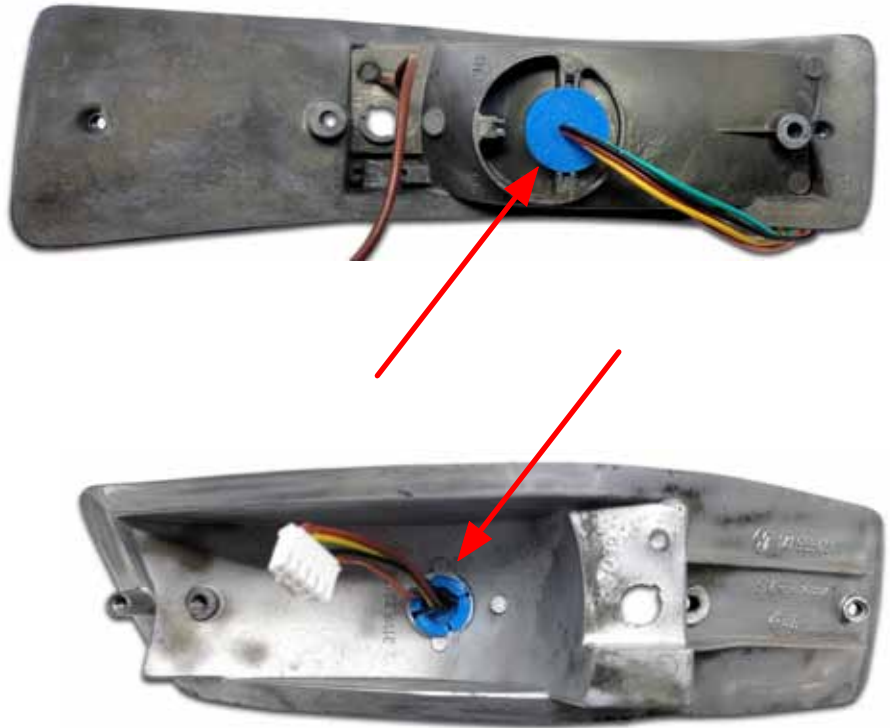
3.   Test fit the LED panels

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

4.   Mount the LED panels.

Once you feel the fit is satisfactory and all functions work use the included plastic
hardware to screw down and secure the LED panel.
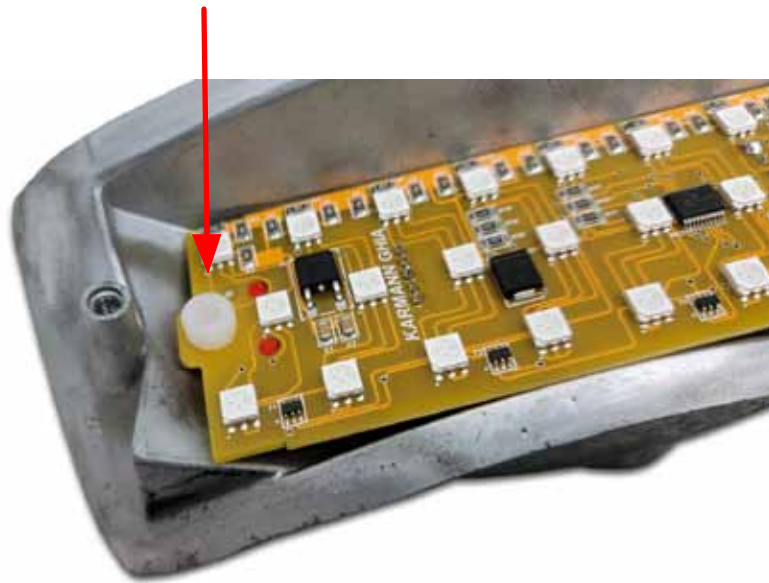
5.   Replace side bulb.

Also included is a replacement LED side bulb to match the color and intensity
of the LED panel.

1. 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.

NOTE
The GREEN wire is not used.

DRIVER SIDE LED panel

LED Harness	Function	Stock harness	Notes
🟡 *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
🟡 *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	

2. 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.

3.   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.

4.   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

Front body harness

RUN/PARK SIGNAL

DRIVER SIDE TURN 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 5 amps.

X
NOT USED

X
NOT USED

Ground wires

Extension Harnesses

Driver side LED panel

Passenger side LED panel