DIGI-TAILS
DIGITAL TAILLIGHTS

1968 MERCURY COUGAR
w/ Factory Sequential Taillights
### 6 Panel Sequential LED Taillight Kit Installation Guide

Kit Contents:

- **6** *LED panels*
- **6** *rubber grommets*
- **1** *power wire with t-tap*
- **3** *pigtail harnesses*
- **3** *harness crimp kits*
- **6** *mounting brackets*

PN 13002067SEQ

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.

SEQUENTIAL POSITION   STANDARD POSITION
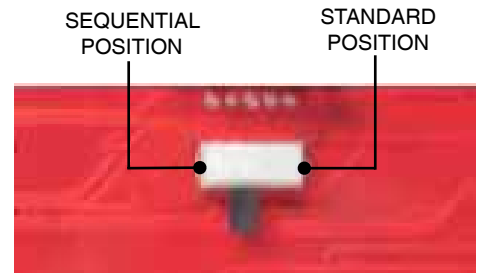
Shown in sequential mode

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.**

   Disconnect the negative terminal from the battery to cut off the power in your car.

2. **Remove and disassemble your 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. **Identify the LED panels.**

   Each LED panel is marked on its backside, which identtifies where each respective LED panel is to be mounted. As example, shown below are the 3 passenger side LED panels. Starting from the center of the car is the **PASSENGER** *side* **INNER** *panel,* **PASSENGER** *side* **CENTER** *panel, and* **PASSENGER** *side* **OUTER** *panel.*
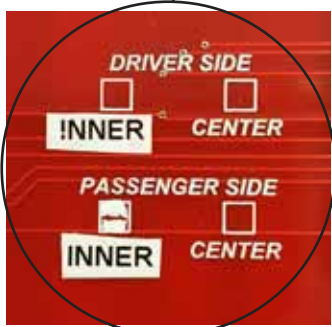
PASSENGER side INNER LED
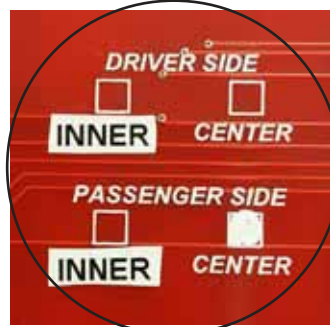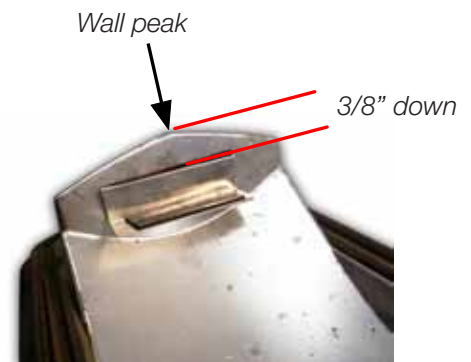
PASSENGER side CENTER LED
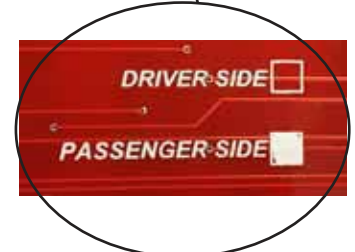
PASSENGER side OUTER LED

4. **Attach mounting brackets.**

Both housings will require mounting brackets for the LED panels to attach to.

Passenger side housing shown

1. *Start at the separating wall **CLOSEST** to reverse light, then measure in 3/8" from the peak and mark.*

2. *Attach an angle bracket just on the mark.*

Wall peak

3/8" down

3. *Move to the center separating wall and again measure in 3/8" from the peak and mark.*

Passenger side housing shown

4. *Finally, move at the separating wall **FARTHEST** to reverse light, measure down 5/16" from the peak and mark.*

Passenger side housing shown

Wall peak

5/16" down
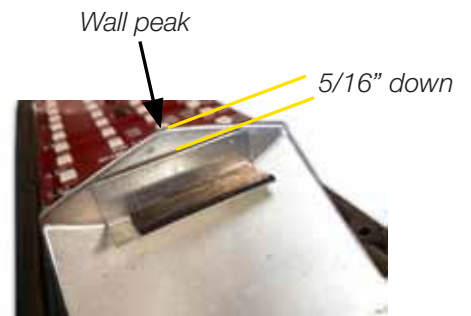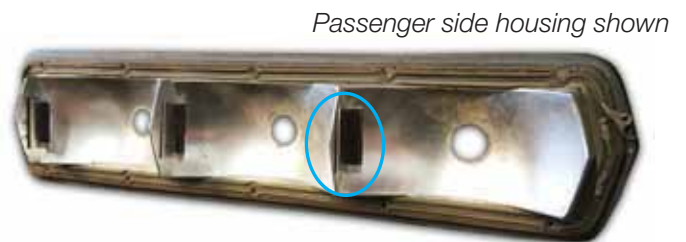
5. **Plug in extension wires, grommets.**

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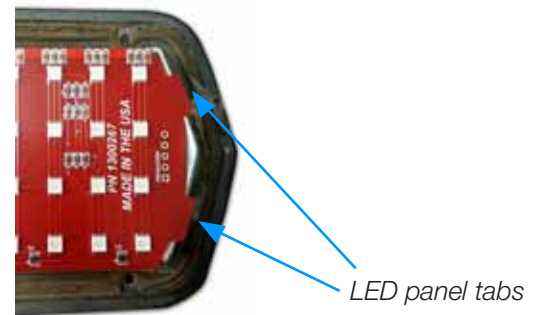
Hint
It is best to use a small flat head screw driver to work the grommets onto the socket holes.

6. **Fit the LED panels.**

   Before permanently attaching the LED panels, set them into their respective places to check for proper fit.

   The outer most LED panel's tabs will sit atop the housing lip.

LED panel tabs

7. **Attach the LED panels.**

   1. *Remove the protective covering from the double sided strips on the angle brackets*
      Plug the LED panels into the harness extensions and one by one attach the LED panels in place.

   2. *For the opposite end of the LED panels that do not sit on a bracket,*
      apply some silicone to the corners of the panels and let them fully cure overnight.
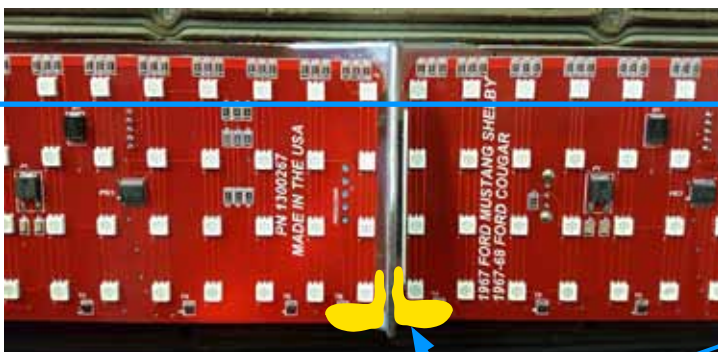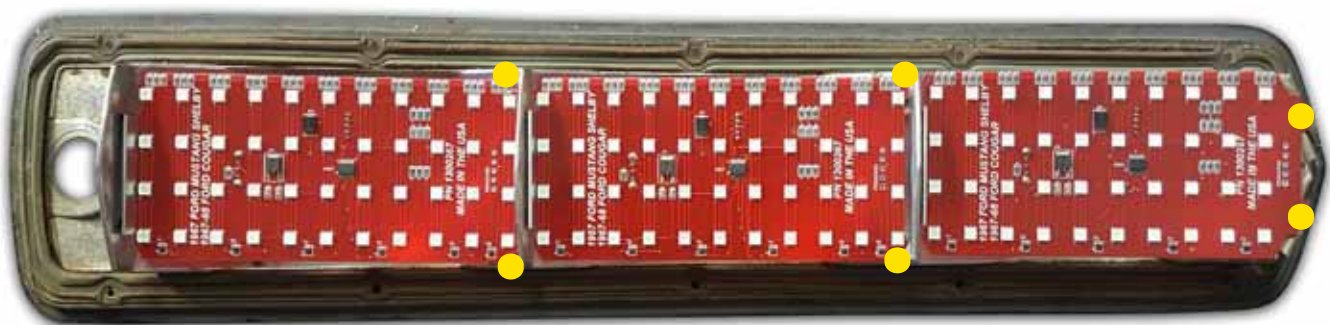
Be sure that the LEDs across all panels are in a nice straight line. This will ensure they look their best behind the lens.

Carefully apply the silicone so you do not cover up any of the LEDs.

WIRE SPLICING INSTALLATION

1. **Review the included wiring diagrams.**

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

DRIVER SIDE LED PANELS		*PASSENGER SIDE LED HARNESS*	
ORANGE	*- Constant 12 volt power source.*	*ORANGE*	*- Constant 12 volt power source.*
BLACK	*- Grounded to body.*	*BLACK*	*- Grounded to body.*
YELLOW	*- Driver side turn signal.*	*YELLOW*	*- Passenger side turn signal.*
GREEN	*- Brake light signal.*	*GREEN*	*- Brake light signal.*
BROWN	*- Running light signal.*	*BROWN*	*- Running light signal.*

2. **Splice the LED SIGNAL wires into the stock SIGNAL wires.**

NOTE   *Fords equipped with factory sequential taillights have a fairly complex wiring setup compared to non sequential taillights. The additional wiring steps must be taken to ensure the kit works properly.*

SIGNALS FROM STOCK HARNESS (REFER TO MODIFIED WIRING DIAGRAMS)

RUNNING/PARK SIGNAL

BRAKE SIGNAL

DRIVER SIDE TURN SIGNALS

PASSENGER SIDE TURN SIGNALS

12v

POWER CONNECTION
CONSTANT FUSED POWER SOURCE.
DRAWS LOW CURRENT, LESS THAN 5 AMPS.

GROUND WIRES

DRIVER SIDE LED PANELS

PASSENGER SIDE LED PANELS
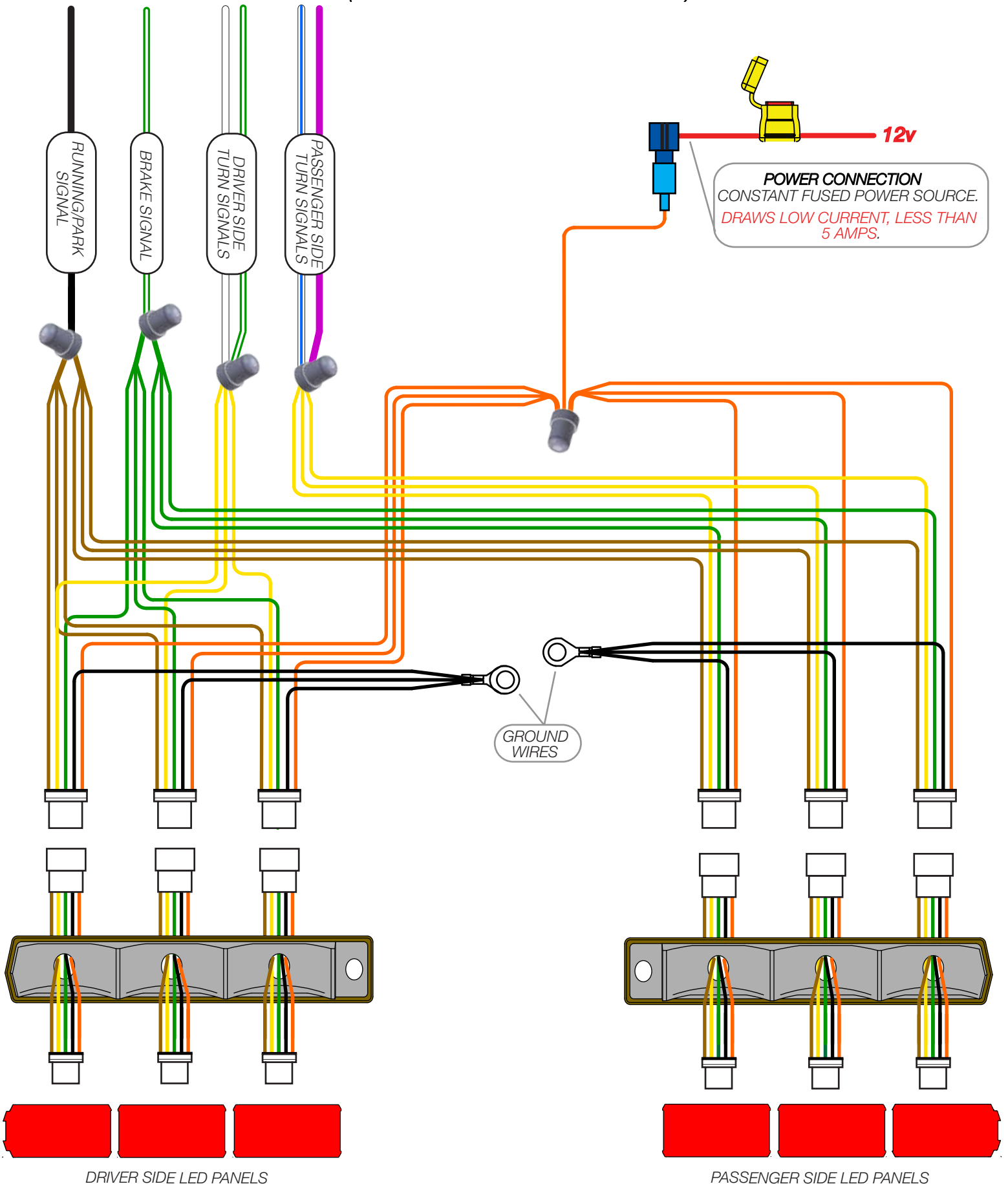
POWER AND GROUND SIGNAL

1. Connect all ORANGE LED panel harness wires together to a fused constant 12 volt power source.

2. Connect all BLACK LED panel harness wires together to a good ground.

BRAKE LIGHT SIGNAL

1. Disconnect plugs **P91** (black), **P92** (black), **P93** (red) and **P94** (white) at the turn signal sequencer (driver's side of trunk).

2. Connect all GREEN LED panel harness wires together to the **GREEN/WHITE** stripe wire (wire **475**) at plug **P93** as shown.
   IMPORTANT NOTE (wire 475 is the male pin in the plug)

TURN SIGNAL

1. Find a good location in the trunk to mount the two turn signal flasher modules. Mark one to be right and the other to be left. It is recommended to place each one near its respective taillight.

2. For the DRIVER side turn signal connect the **WHITE** wire (wire **440**) at plug **P94** to "B" lead of turn signal flasher Use the included flasher socket.

3   Connect "**L**" lead of flasher module to all of the DRIVER side LED panel YELLOW wires and the GREEN/WHITE stripe wire (wire **448**) at plug P93. Secure the flasher module.

4   For the PASSENGER side turn signal connect the **VIOLET** wire (wire **441**) at plug P92 to "**B**" lead of your second turn signal flasher. Again, use the included flasher socket.

5   Connect "**L**" lead of second flasher module to all of the PASSENGER side LED panel YELLOW wires and the **WHITE/BLUE** stripe wire (wire **449**) at plug P91.

6   Disconnect turn signal indicator relay connector J30 under the dash.

7   Attach a ground wire to a suitable ground under the dash and attach the other end to the center terminal (**VIOLET** wire) of the relay connector (J30)
This will provide a ground for the dash indicators·

8   Locate plug **P57** (red) behind the passenger side of the dash. This will be used in the coming steps.

9   Locate the **BLUE/WHITE** stripe wire (wire **49**) in the steering column wire harness, cut the wire in an area that is easy to work with and strip the end of the wire that goes to the dash light. (not to the steering column) Then extend wire 49 and route it to to the area of **P57**.

10   Locate the **GREEN/WHITE** stripe wire (wire **50**) in the steering column wire harness, cut the wire in an area that is easy to work with and strip the end of the wire that goes to the dash light. (not to the steering column) Then extend wire **50** and route it to to the area of **P57**.

11   At **P57** take the previously extended wire **50** (from the dash indicator) and tie it into the **GREEN/WHITE** stripe wire (wire **448**) on **P57**. This will tie the DRIVER side front turn signal to the DRIVER side dash indicator.

12   At **P57** take the previously extended wire **49** (from the dash indicator) and tie it into the **BLUE/WHITE** stripe wire (wire **449**) on **P57**. This will tie the PASSENGER side front turn signal to the PASSENGER side dash indicator.

13   At **P57** cut and strip both ends of the **BLUE/WHITE** stripe wire (wire **449**). Connect both ends of wire **449** and the wire extension from wire **49** together. (this will tie the front indicator to the dash indicator)

RUN/PARK SIGNAL

1   Locate the PARK/RUN signal wire at the rear of the car. This is usually a **BLACK** wire running to the license plate lights. This wire will be used to power the RUN/PARK signal on the LED panels. Take note that any PARK/RUN signal wire that you prefer will work.

2   Connect this wire to all of the LED panels BROWN wires.

FINALIZE

Test the lights for proper operation. Check the following:

- Brake lights
- Running lights
- Left turn
- Right turn
- Ensure front indicators and dash indicators flash with turn signals

Removal of the sequencer and related equipment is optional

Special thanks to M Kiefer