



1970 DODGE DART

Two panel Sequential LED Taillight kit installation guide

Kit Contents:

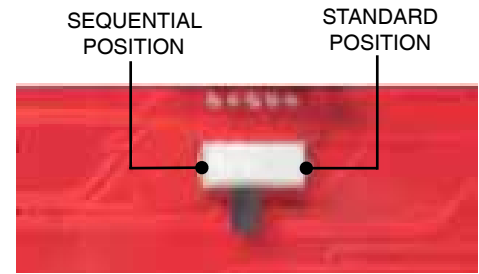
- **2** LED panels
- **2** rubber boots
- **1** power wire with t-tap
- **1** driver side LED harness, 24"
- **1** passenger side LED harness, 48"
- **2** LED extension harnesses, 12"
- **1** harness crimp kit

PN 1200470

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. Disassemble the taillights.

As a safety precaution, remove the bulbs out of the sockets and put them away since they will no longer be needed. Remove the taillight lens. Removal of the taillight housing assembly from the car may be required.

3. Position of the LED panels.

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



The Driver Side LED panel is shown above.

4. Remove the factory taillight wires.

Cut and remove the original wires from the housing. Pull them all the way back out through the body grommet into the trunk area.



5. Attach the mounting brackets.

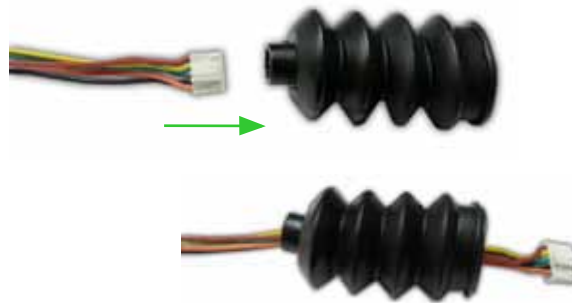
Each light pocket on the taillight housing needs to be marked for placement of a right angle brackets. From the edge of the housing measure back 3/16" and mark a parallel line.

Measure down **3/8"** from edge of housing and attach the mounting bracket.

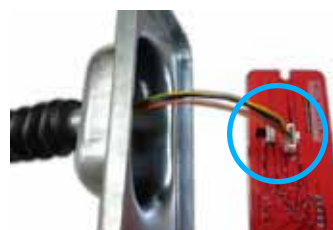


6. Plug in extension harnesses.

The extension harness feeds through 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 housings.



1. Feed harness through the rubber boot.



2. Plug the extension harness into the LED panel.

6. Protect the wiring.

To protect the wiring from the exterior elements, slide on the included rubber boot and shrink tube sleeve over the new wires and seal them shut. Once the socket end and wires are weather tight feed the bare ends into the car through the body grommet.



7. Mount the LED panels.

The LED panel uses two mounting spots to sit securely on the housing. One on the bracket you just attached and the other on the opposite side on the angled part of the housing. Test fit the LED panel and test brake light, turn signal, and running light functions. Once the LED panels test out correctly, use silicone or something similar to adhere the tight angled bracket and remove the protective layer for the tape on the right angled bracket.



Place silicone or similar adhesive.



WIRE SPLICING INSTALLATION

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	 Brown	The light socket ends on the car harness can be removed.
 Green	Driver side turn 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

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 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.

