

# INSTALLATION MANUAL

## Level of Difficulty

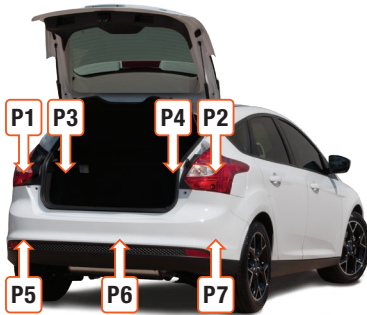
Moderate

## Wiring Location(s)

P3 and P4

## Wiring Location Guide\* for Passenger Cars (P)

P1	Behind driver side taillight housing, outside of trunk
P2	Behind passenger side taillight housing, outside of trunk
P3	Behind driver side taillight housing, inside of trunk
P4	Behind passenger side taillight housing, inside of trunk
P5	Behind driver side rear bumper
P6	Behind center of rear bumper
P7	Behind passenger side rear bumper



\* Representative vehicle shown

## Tools Required

Panel trim removal tool	Wire stripper
Cutting tool	Wire crimper
Rotary cutting tool	Electrical tape

## ⚠ WARNING

Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

## NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

## Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

### Step 1

Locate the vehicle battery. Look up the battery location in the owner's manual of your vehicle. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.



### Step 2

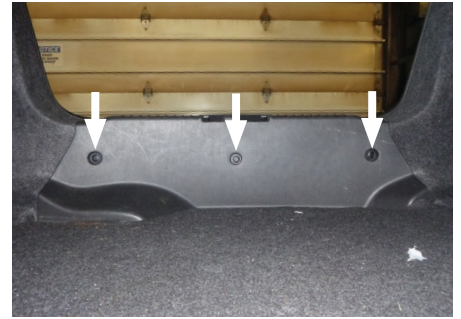
Open the vehicle's trunk.  
Remove all trunk floor coverings



### Step 3

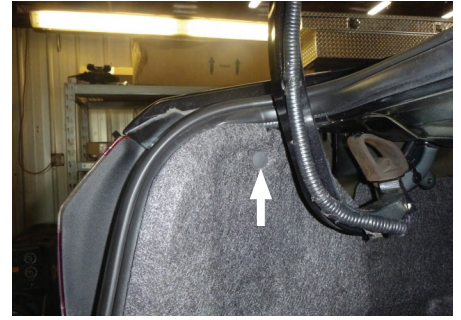
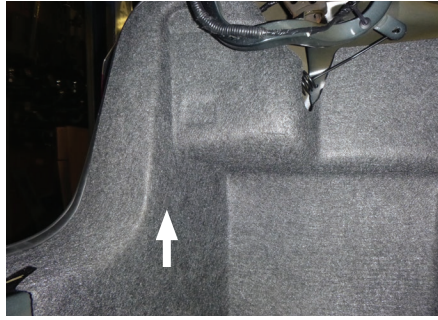
Using a panel trim removal tool, remove the three fasteners securing the rear scuff panel.

Use the panel trim removal tool to remove the scuff panel by pulling out on the bottom and then up, exposing the spare tire. Take care not to damage the alignment tabs on the back.



#### Step 4

Use a panel trim removal tool to remove the push fasteners from both sides of the trunk.



#### Step 5

Starting on the driver side, pull back the trunk liner. Locate the vehicle taillight wiring connectors. The connectors will be similar to those on the RV wiring harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Insert the custom RV harness end with the yellow wire between the separated connectors. Make sure the connectors are fully inserted with the locking tabs in place. Be sure to route the harness behind the spring in the side wall of the trunk. Zip tie in place, making sure the wires are out of the way of the spring.



#### Step 6

Route the connector with the green wire along the back of the vehicle to the passenger side. Repeat step 5 with the green wire on the passenger side. Zip tie as needed to secure the wiring on the rear wall of the trunk. Route below the trunk scuff panel.

#### Step 7

Locate a grounding point near the box such as an existing screw or bolt in the frame of the vehicle or drill a 3/32" pilot hole. The area should be free from rust, dirt, and paint (abrasive pad/paper to remove rust and paint). Secure the white ground wire with the ring terminal on the existing fastener or with the provided ground screw.

#### **CAUTION**

Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and/or personal injury

#### **NOTICE**

Once the custom wiring harness is installed, verify that the harness is functioning by attaching the 4-flat to any vehicle with functioning trailer lights. The taillights on the tow vehicle should function along with the taillights on the towing vehicle.

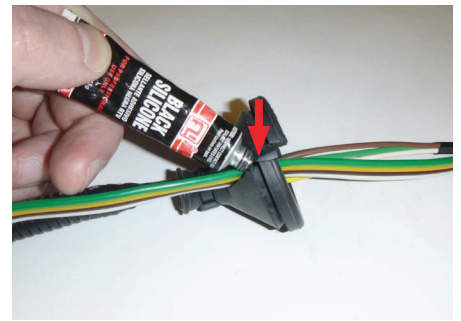
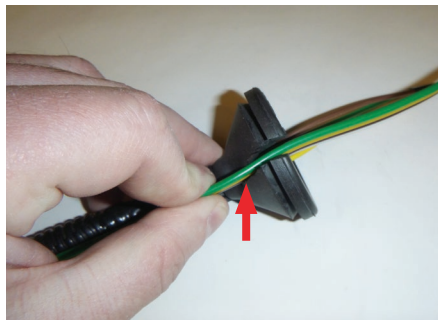
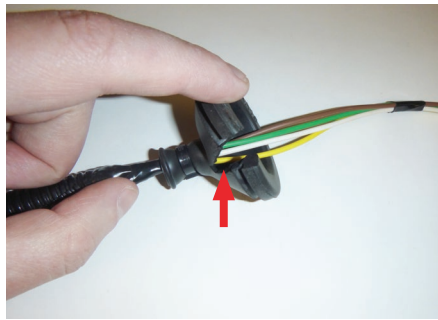
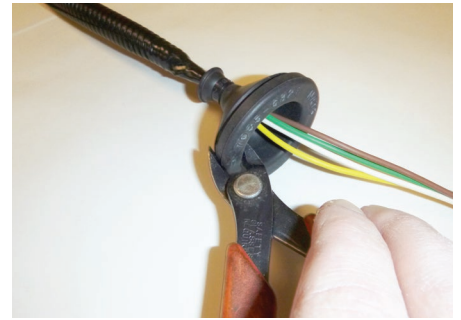
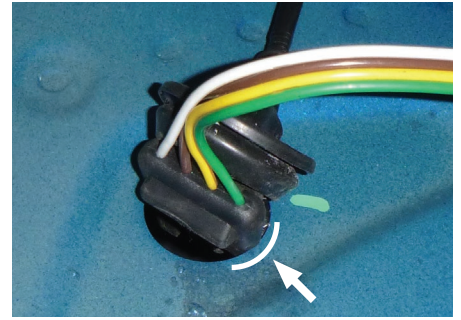
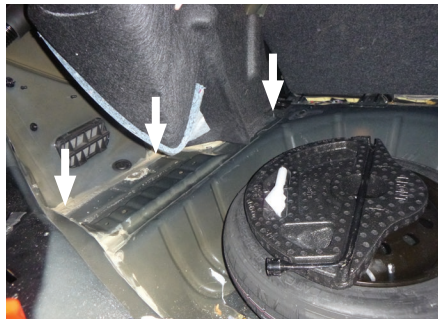
Install your vehicle RV wiring harness add-on, allowing your RV harness to also act as a trailer light harness.

## Step 8

Using a rotary tool, cut a relief in the trunk pan hole just big enough to get the 4-flat through the grommet hole.

Remove the grommet from the body of the vehicle. Using a wire cutter, make a cut into the grommet big enough to allow the wiring to be placed inside the mounting groove of the grommet. Be careful not to cut any wires.

Reseat the grommet. Use the provided sealant to seal the cut in the grommet and around all the wires. Apply additional sealant as needed once the grommet has been reseated to ensure a tight seal. This will keep the trunk dry and exhaust out of the vehicle.



### Step 9

Rout the 4-flat wire above the rear suspension and along the side of the fuel tank on the driver side to the front of the tank. Use the provided cable ties to loosely secure the wire as needed.



### Step 10

Follow the brake lines with the 4-flat wire to the back side of the engine compartment. Follow the lines up the fire wall to the top of the engine compartment.



### Step 11

From the top of the engine compartment, route the 4-flat along the firewall to the passenger side.

Secure any loose wires with the provided cable ties. Be sure to keep the wiring away from hot spots, pinch points or moving objects.

Route the 4-flat between the inner fender / headlight and the coolant tank to the front of the vehicle and zip tie in place.



### Step 12

Secure any excess wire so that it is not drooping or dangling, but not so tight that it causes unnecessary strain to the wire which could lead to breakage over time. After removing slack from the 4-flat wire, tighten any zip ties and add as needed. Use a zip tie to fasten any excess wire to a solid spot along the driver-side inner fender.

Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.