

# INSTALLATION INSTRUCTIONS

**⚠ WARNING: DO NOT EXCEED PRODUCT RATING OR TOW VEHICLE LAMP LOAD RATING, WHICHEVER IS LOWER**

## APPLICATIONS

Make	Model
Dodge	Caliber
Dodge	Durango
Jeep	Patriot



## WIRING LOCATION GUIDE

### SUVS, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

**S1** - Behind driver side taillight housing

**S2** - Behind passenger side taillight housing



## NOTICE

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

## TOOLS NEEDED

Ratchet	Panel trim removal tool
Ratchet extension	Phillips screwdriver
10mm socket	Flat blade screwdriver
1/4" socket	Cutting tool
3/32" drill bit	Fish wire

## **WARNING**

The battery connection must be fuse-protected, 10-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire. Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Signal Circuits - 6.0 amps per side

Tail / Running Circuits - 6.0 amps total

# INSTALLATION / SAFETY INSTRUCTIONS

## Step 1

Open the rear hatch.

## Step 2

Starting on the driver side, remove the two push fasteners from the taillight (A).

## Step 3

Remove the taillight by gently pushing rearwards. Use a soft pry tool on the leading edge of the taillight to assist in the removal.

## Step 4

Locate the vehicle taillight wiring harness connectors behind the taillight (B). The connectors will be similar to those on the RV harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Set the taillight aside.

## Step 5

Route the RV harness with the yellow and brown wires up from underneath the vehicle between the vehicle body and rear bumper up through the opening below the removed taillight (C).

## Step 6

Using the removed taillight, insert the RV harness end with the yellow and brown wires between the separated taillight connectors. Make sure the connectors are fully inserted with locking tabs in place (D). Secure any loose wires with the provided cable ties.

## Step 7


Reinstall the removed taillight.

## Step 8

Route the RV harness with green and brown wires back along the bumper frame to the passenger side. Repeat steps 2-7 on the passenger side using the RV harness with the green and brown wires. Use the provided cable ties to secure any loose wires.


## Step 9

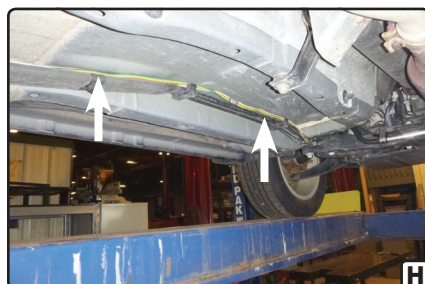
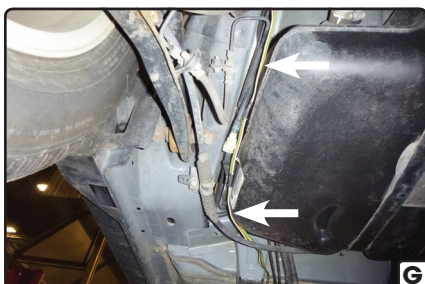
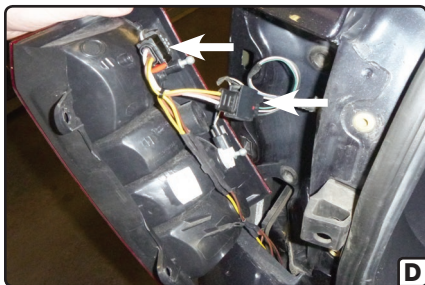
Locate a suitable grounding point near the connector such as an existing screw with nut in the vehicle frame or drill a 3/32" pilot hole for the provided screw. The area should be free of rust, dirt and paint. Secure the white ground wire using the ring terminal and provided screw.

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

## Step 10

From underneath the vehicle, route the trailer-side 4-flat to the front of the vehicle. Route the 4-flat along the brake lines from the rear of the vehicle to the front. Some trim cover panels may need to be removed to route the 4-flat under the vehicle (E,F,G,H,I). Secure with cable ties along the way.


 **WARNING:** Make sure to avoid areas that contain moving parts or could cut, pinch or burn the wires when routing the 4-flat harness to the front of the vehicle. Failure to follow these warnings may cause property damage, personal injury or loss of life.



# INSTALLATION / SAFETY INSTRUCTIONS


## Step 11

From inside the engine compartment find the brake fluid reservoir and route a fish wire down along the brake lines. pull the 4 flat up to the top of the engine compartment. Secure the 4-flat to the fish wire at the other side of the driver front wheel well and pull the 4-flat up into the engine compartment (J).

 **WARNING:** Make sure to avoid areas that contain moving parts that could cut, pinch or burn wires when routing the 4-flat harness towards the front of the vehicle. Failure to follow these warnings may cause property damage and / or personal injury.

## Step 12

Locate a suitable flat position to mount the trailer end 4-flat bracket. Using the bracket as a template, mark the two holes and drill two 3/32" holes. Attach the bracket using the two provide screws.

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



## Step 13

With the 4-flat extension plugged into the RV harness on one end and the RV on the other, perform a function test. These functions will only work on the brake / taillight combination lamp. When not in use store the 4-flat extension inside the vehicle. 4-flat harness color codes:

White - Ground    Green - Right Turn / Brake  
Brown - Taillights    Yellow - Left Turn / Brake

## Step 14

If all functions work on the tow vehicle, reinstall all items removed during the installation. Install the provided 4-flat dust cover to help prevent corrosion. Use cable ties as needed to secure any loose wires.

**Note:** This RV harness includes a connection point labeled 'For trailer tow use only: 4-flat harness required.' If you decide to leave your RV harness on the vehicle at all times and want to tow a trailer, simply plug in the 4-flat harness.