

# INSTALLATION MANUAL

## Level of Difficulty

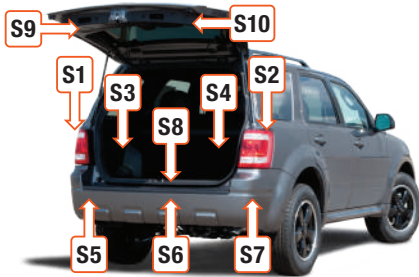
Easy

## Wiring Location(s)

S5 and S7

## Wiring Location Guide\* for SUVs and Vans (S)

S1	Behind driver side taillight housing
S2	Behind passenger side taillight housing
S3	Behind driver side rear access panel
S4	Behind passenger side rear access panel
S5	Behind driver side rear bumper
S6	Behind center of rear bumper
S7	Behind passenger side rear bumper
S8	Under rear floor panel
S9	Behind driver side rear access panel
S10	Behind passenger side rear access panel



\*Representative vehicle shown

## Tools Required

Drill	Panel trim removal tool
Drill bit, 3/32"	Cutting tool

## ⚠ 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

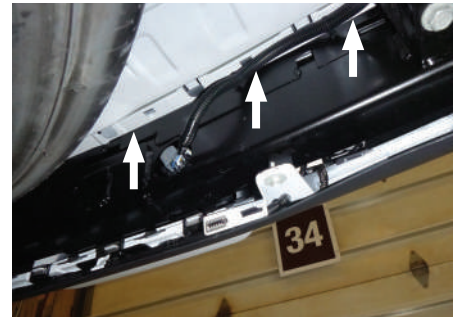
Locate the vehicle battery. Look up the battery location in the owner's manual of your vehicle. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.



### Step 2

Begin at the rear corner under the vehicle on the driver side. Separate the connectors, taking care not to damage the locking tabs.

Install the custom RV harness with the yellow wire in-between the factory harness. Route the harness along the rear bumper to the passenger side. Use the provided cable ties to loosely secure the wiring as needed.



### Step 3

Route the custom RV harness to the rear corner of the vehicle on the passenger side. Separate the connectors, taking care not to damage the locking tabs.

Install the connector with the green wire. Adjust the harness as needed and tighten the cable ties so that the harness is firmly in place.



### Step 4

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 (Use 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.

#### **⚠ WARNING**

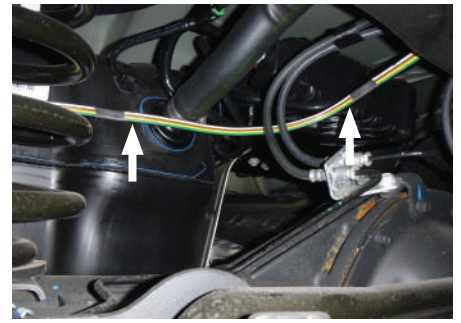
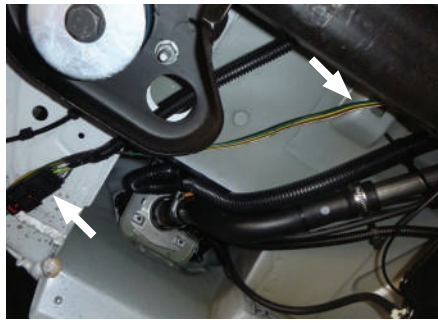
Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and / or personal injury.

#### **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.

### Step 5

On the driver side, route the 4-flat along the fuel fill tube and above the frame rail and up to the rear of the fuel tank.



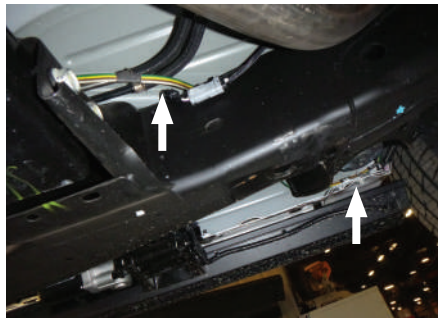
### Step 6

Route the 4-flat above and along the frame rail to just behind the driver-side front wheel. Use the provided cable ties to loosely secure the wire along the frame rail as needed.



### Step 7

Once the harness is just behind the driver-side front wheel, route the 4-flat harness to the rear of the driver-side wheel well.



### Step 8

Pull back the inside of the wheel well lining to reveal the main electrical from the rear of the vehicle. Feed the 4-flat wire up into the engine compartment. This will be just below the brake master cylinder and just to the left of the main fuse block.



### Step 9

Route the 4-flat along the open secondary battery box up to the radiator support.



### Step 10

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.