

# INSTALLATION MANUAL

## Level of Difficulty

Moderate

## Electrical Ratings

Signal circuits	7.5-amps per side
Tail / Running Circuits	7.5-amps total

Check vehicle owner's manual or contact the vehicle manufacturer for more information.

## Wiring Location(s)

T3 and T5

## Wiring Location Guide\* for Trucks (T)

T1	Behind driver side taillight housing
T2	Behind passenger side taillight housing
T3	Behind driver side rear bumper
T4	Behind center of rear bumper fascia
T5	Behind passenger side rear bumper



\* Representative vehicle shown

## Tools Required

Fishwire	--
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## ⚠ WARNING

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

## Product Photo



## Included Parts



## 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 tow vehicle.

## Maintenance

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

## Product Registration and Warranty

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### Step 1

Locate the vehicle taillight connectors located underneath the vehicle on the frame near the bottom of the taillight opening on both sides of the vehicle.

The connectors will be similar to those on the RV harness. Slide the red lock on the connector and carefully separate the vehicle connectors, taking care not to damage the locking tabs. Inspect the connectors for dirt and debris and clean if necessary.



### Step 2

Starting on the driver side, position the RV harness connectors ends containing yellow wires between the separated vehicle harness connectors.

Press the connectors firmly into the vehicle connectors until they lock into place. Slide the red lock on the factory connector. Pull on the connectors to ensure the locks are engaged.



### Step 3

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 4

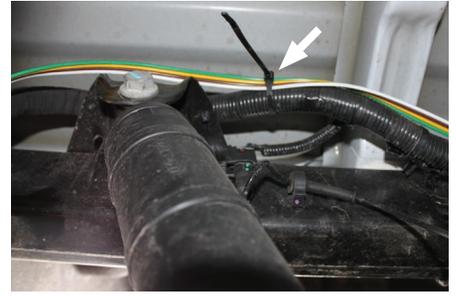
Route the portion of the RV harness with the connectors containing green wires across the frame rail and over the spare tire.

Route the connector ends to the vehicle connectors and repeat step 2. Secure the RV harness to the existing factory wire harness with the provided cable ties.



### Step 5

Cut the cable ties on the 4-flat portion of the harness. Route the 4-flat portion of the RV harness towards the front of the vehicle along the factory wire harness along the frame rail. Secure with the provided cable ties.



### Step 6

Continue routing the 4-flat towards the front of the vehicle, securing to the factory wire harness with the provided cable ties until you reach the driver-side front wheel well.

#### **WARNING**

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.



### Step 7

From inside the engine compartment, route a fishwire down and over the top of the driver-side wheel well. It may be necessary to remove additional clips and screws from the wheel well cover.

Secure the 4-flat to the fishwire at the other side of the driver-side front wheel well and pull up into the engine compartment.



### Step 8

Route the 4-flat to a flat surface in the engine compartment. Locate a suitable position to mount the 4-flat bracket.

Using the bracket as a template, mark the two holes and drill two 3/32" holes and attach the bracket using the two remaining screws. Secure the 4-flat to the frame rail with a cable tie.

#### **WARNING**

Take care not to drill through the body or any exposed surface.



### Step 9

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.