

# INSTALLATION MANUAL

## Level of Difficulty

Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

## 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

Drill	Cutting tool
3/32" drill bit	Fish wire
Panel trim removal tool	Electrical tape

## ⚠ WARNING

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

## Product Photo



## 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 and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the installation process.



### Step 2

Begin at the rear of the driver side of the vehicle, on the outside of the vehicle frame rail. Loosen the red external lock and separate the connectors, taking care not to damage the locking tabs.

Insert the custom wiring end with yellow wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place. Route the harness along the rear bumper to the passenger side. Loosely zip tie in place.



### Step 3

Route the custom harness to the passenger side, keeping above the frame and the hitch.



### Step 4

Route to the rear of the outside of the vehicle frame rail. Loosen the red external lock and separate the connectors, taking care not to damage the locking tabs.

Insert the custom wiring end with green wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place. Zip tie firmly in place.



## Step 5

Locate a grounding point 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.

## Step 6

On the driver side of the vehicle, route the 4-flat along and above the frame rail to just behind the driver-side front wheel. Keep clear of pinch points, moving and hot components. Loosely zip tie as needed.



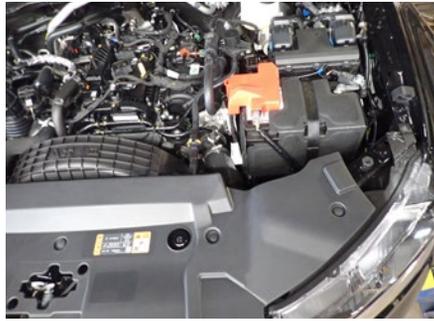
## Step 7

Once the harness is just behind the driver-side front wheel, route the 4-flat harness along the frame rail up to the lower firewall. Continue along up the firewall near the brake lines to the top of the engine compartment.



### Step 8

Once to the top of the engine compartment, route the 4-flat along the firewall to the driver side and the driver-side inner fender. Mount the 4-flat in the front of the vehicle under the hood.



### 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.