

# 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)

T1 and T2

## 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	Ratchet
Cutting tool	Socket, 8mm
Drill	Socket extension
Drill bit, 3/32"	--

## ⚠ WARNING

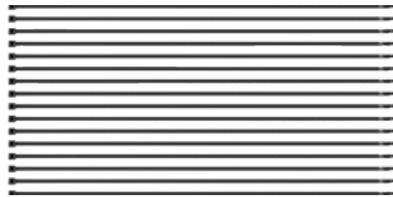
Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Be sure to not lay tools across the positive battery terminal (typically noted with red covers or a red '+' symbol). This can cause a ground to short causing sparks and / or electrical shocks.

## Product Photo



## Hardware 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

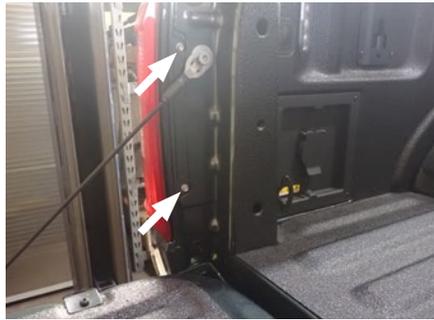
Locate the vehicle battery in the engine compartment on the passenger side and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the installation process.



### Step 2

Open the tailgate and use an 8mm socket to remove the two bolts securing the taillights in place.

Repeat on the other side of the vehicle.



### Step 3

Carefully remove the taillight straight back from the vehicle.

Locate the vehicle taillight wiring connectors. The connectors will be similar to those on your new custom wiring product. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Set the taillight aside in a safe place and repeat on the other side of the vehicle.



## How to Fishwire

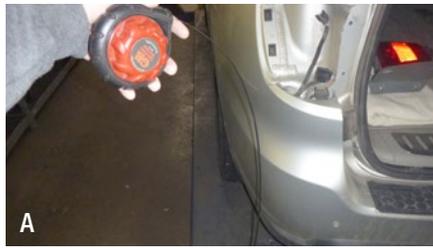
**A)** Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

Insert the fish wire through the blind hole and locate it on the other side.

**B)** Use tape to secure the harness to the fish wire and pull back up.

The fish wire or harness may get hung up on something, if this happens you may have to push back down, wiggle it around or twist the wire to loosen it from what it's hung up on.

Fish wire could be anything from a cut-up wire hanger, stiff wire, rope or string depending on what is needed for the installation.



## Step 4

Beginning on the driver side, drop a fishwire down inside the cavity where the taillight was removed. From under the vehicle attach the yellow wire to the fishwire and pull up into the taillight opening. Attach the custom wiring harness to the taillight. Re-attach the factory harness to the taillight and the T-connection in the custom wiring harness.



## Step 5

Route the green wire over to the passenger side. Zip tie as needed along the rear bumper.

Repeat step 5 using the green wire.

## Step 6

On the driver side, 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 harness is installed verify that the harness is functioning by attaching the 4-flat to any trailer with a functioning lights. The taillights on the vehicle to be towed should function along with the taillights on the vehicle that is powering them.



### Step 7

Route the 4-flat harness above the frame and below the bed of the truck and along the driver-side frame rail to the front of the truck.



### Step 8

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



### Step 9

From the engine compartment on the driver side next to the hood hinge, run a fishwire down between the inner fender and the outer fender. Pull the wheel well panel back and locate the end of the fishwire. Attach the 4-flat to the fishwire and pull to the top of the engine compartment.



### Step 10

Pull the 4-flat up between the inner and outer fender and route the 4-flat along the driver-side inner fender. Zip tie in place as needed and under the air intake to the front of the truck.

