

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)

Under dash

Tools Required

Ratchet	Cutting tool
Socket extension	Fishwire
Torx bit, T-15	Electrical tape
Panel trim removal tool	--

⚠ WARNING

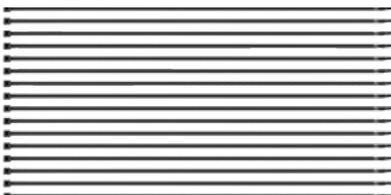
Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

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 driver 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

Use a small screw driver to pry the two fastener covers off. Use a T-15 torx socket to remove the two fasteners.

Repeat this step on the other side of the vehicle.



Step 3

Remove the taillight by pulling straight back. The light has alignment tabs that are pressure fit into the body of the vehicle that you will need to wiggle back and forth to loosen.

Disconnect the taillight connectors being careful not to damage the locking tabs. Set the taillight aside.

Repeat this step on the other side of the vehicle.



How to Fishwire

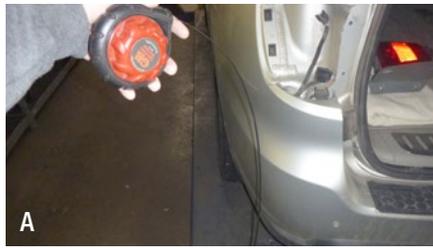
A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

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

Starting on the driver side, run a fish wire down between the body and the bumper cover. From under the vehicle locate the side of the custom RV harness with the yellow wire. Attach the yellow side to the fish wire and pull the harness up to the factory harness.



Step 5

Once the custom wiring harness is up to the factory harness, connect the mating housings and reconnect the taillight. Insert the taillight back into its mounting location, making sure it's firmly locked into place

Step 6

From under the vehicle, route the harness with the green wire along the back side of the bumper to the passenger side of the vehicle. Zip tie in place as needed. Be sure to keep the wires away from hot objects like the exhaust.

Repeat steps 4 and 5 on using the wiring end with the green wire.

Step 7

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

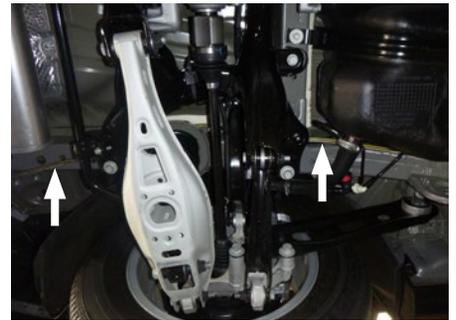
Once the custom harness is installed verify that the harness is functioning by attaching the 4-flat to any trailer with a functioning lights. The taillights on the vehicle to be towed should function along with the taillights on the vehicle that is powering them.

At this point you can also install your vehicle RV wiring harness add-on, allowing your RV harness to also act as a trailer light harness.



Step 8

Route the 4 flat wire above the rear drive line and suspension mounts and the body, be sure to zip tie in place and keep the wiring away from hot spots, pinch points or moving objects.



Step 9

Route the 4-flat wire along the fuel tank between the tank and the driver-side sub frame to the rear of the front tire.



Step 10

From the driver-side engine compartment, use the fishwire between the inner fender and the exterior fender to route the 4-flat up to the engine compartment. Locate the end of the fishwire just behind the inner fender / wheel well and attach to the fishwire. Pull to the top side of the engine compartment.



Step 11

Route the 4-flat wire along the driver-side inner fender to the front of the vehicle. Zip tie as needed.

Route behind the headlight and mount the 4-flat right next to the vehicle ground lug on the driver side.



Step 12

Pull all of the excess wire so that it is not drooping or dangling, but not too tight so that it causes unnecessary strain to the wire which could lead to a 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.