

INSTALLATION MANUAL

Level of Difficulty

Easy

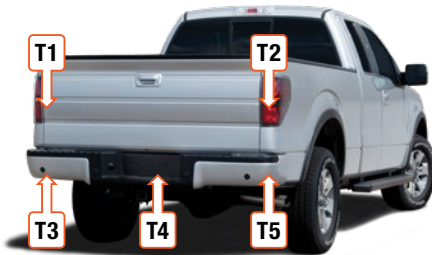
Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

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

Flathead screwdriver	Drill
Cutting tool	Drill bit, 3/32"

⚠ WARNING

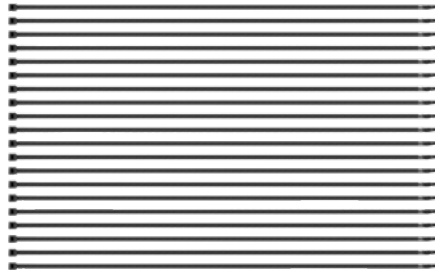
Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Be sure not to lay tools across the positive (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

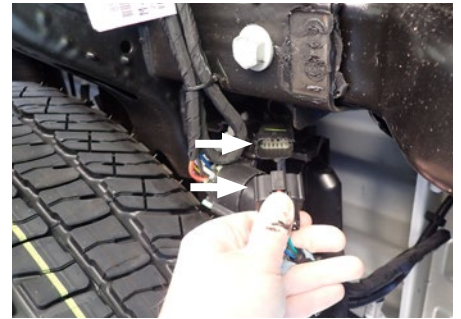
Locate the vehicle battery in the engine compartment on the passenger side of the vehicle and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery during installation.



Step 2

Starting under the vehicle on the driver side, locate the electrical connector between the frame rail and spare tire as shown in the photo. Separate the connectors taking care not to damage the locking tabs.

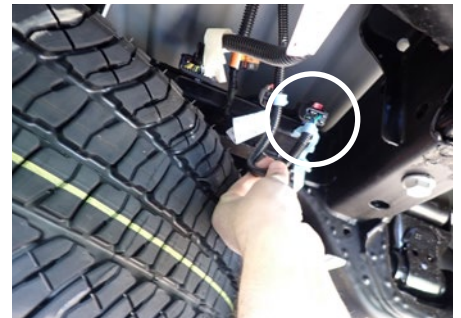
Install the customer harness with the yellow wire in-between the separated connectors.



Step 3

Route the connector with the green wire to the passenger side of the vehicle.

Repeat step 2 with the green wire.



Step 4

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 12 volt power wire is connected to the harness verify that the harness is functioning by attaching the battery and testing with a test light, 4-flat tester or a functioning trailer. The taillights on the vehicle to be towed should function along with the tail lights on the vehicle that is powering them.

Step 5

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

Step 6

Route the 4-flat above and along the frame rail and zip tie as needed to just behind the passenger-side front wheel. Loosely secure with zip ties, leaving room for later adjustment.



Step 7

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



How to Fishwire

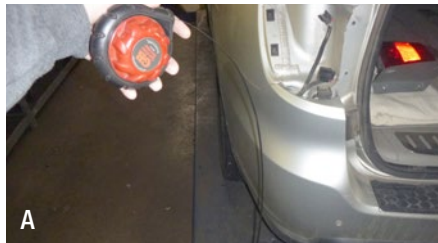
A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

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.



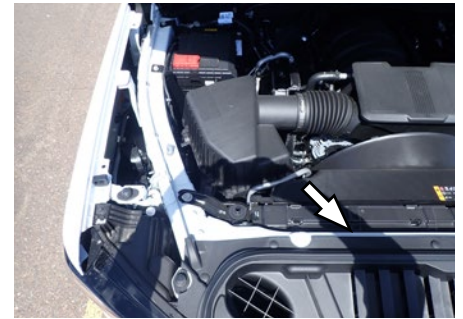
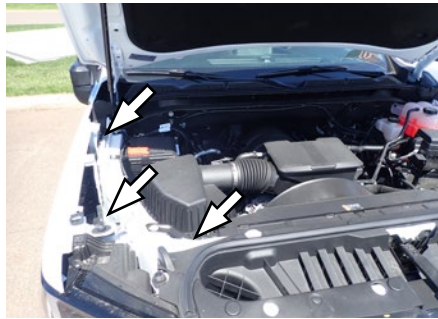
Step 8

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



Step 9

Route the 4-flat under the outer fender mounts and around the washer fluid tank. Mount the 4-flat to the passenger-side front core support and zip tie as needed.



Step 10

Pull all of the excess wire so that it is not drooping or dangling but not too tight this can cause unnecessary strain to the wire and could cause a breakage over time. After removing slack from the 4-flat wire, tighten any zip ties and add as needed. Using a zip tie to fasten any excess wire to a solid spot like a the outer fender mount.