

INSTALLATION MANUAL



Level of Difficulty

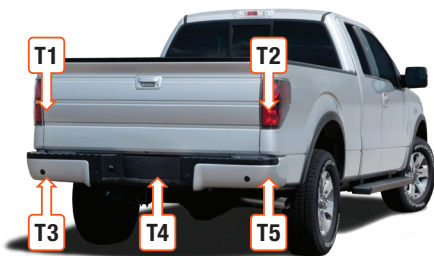
Easy

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

⚠ WARNING

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

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. Look up the battery location in the owner's manual of your vehicle. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.



Step 2

Locate the electrical junction box at the rear of the vehicle between the frame rail and the spare tire on the driver side. Locate the driver-side taillight harness. You may need to trace the wires back to the taillight. Separate the connectors, taking care not to damage the locking tabs. Install the custom RV harness with the yellow wire in-between the factory harness.



Step 3

In the same junction block is the passenger-side harness. You may need to trace the wires back to the taillight. Separate the connectors, taking care not to damage the locking tabs. Install the custom RV harness with the green wire in-between the factory harness.



Step 4

Locate a grounding point near the box 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 (Use 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.

WARNING

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.

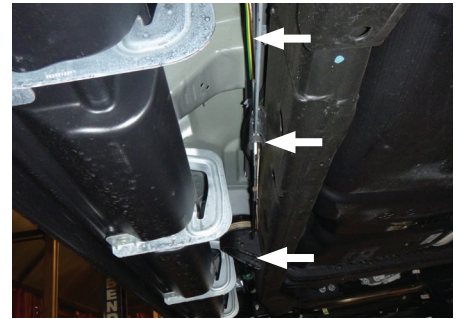
Step 5

Route the 4-flat harness above the junction block between the frame and the bed of the truck. Continue along the driver-side frame rail to the front of the truck.



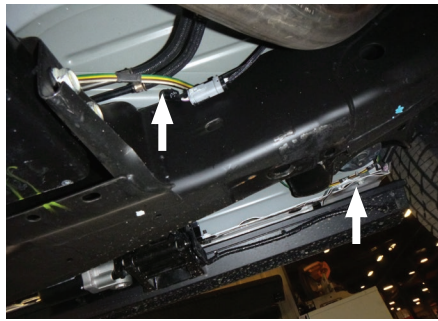
Step 6

Route the 4-flat above and along the frame rail to just behind the driver-side front wheel. Use the provided cable ties to loosely secure the wire along the frame rail as needed.



Step 7

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



Step 8

From the engine compartment exit to the hood hinge on the driver side, 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 - How to use fish wire

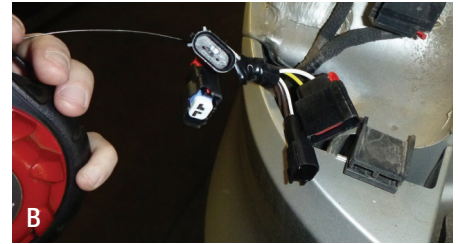
A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

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 10

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



Step 11

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.