INSTALLATION MANUAL

58993

Level of Difficulty

Moderate

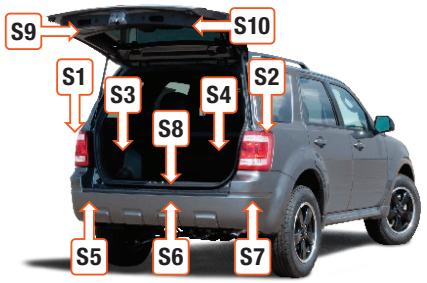
Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Wiring Location(s)

S5 and S7

Wiring Location Guide* for SUVs and Vans (S)

S1	Behind driver side taillight housing
S2	Behind passenger side taillight housing
S3	Behind driver side rear access panel
S4	Behind passenger side rear access panel
S5	Behind driver side rear bumper
S6	Behind center of rear bumper
S7	Behind passenger side rear bumper
S8	Under rear floor panel
S9	Behind driver side rear access panel
S10	Behind passenger side rear access panel



*Representative vehicle shown

Tools Required

Drill	Panel trim removal tool
Drill, 3/32"	Cutting tool

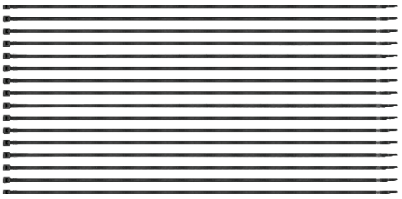
⚠ WARNING

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

Do not lay tools across the positive (+) terminal of the battery.
This can cause a ground to short, causing sparks and other 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.

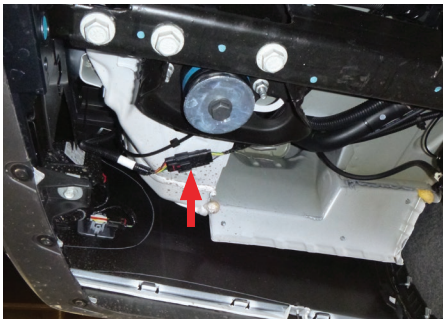
Step 1

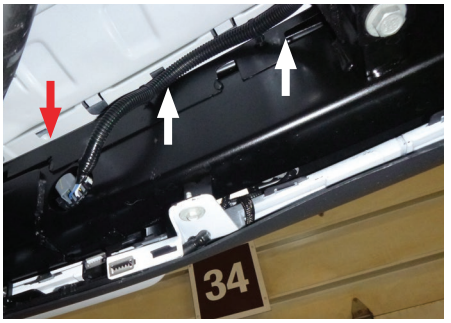
Locate the vehicle battery and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the installation process.

Step 2

Starting at the rear corner of the driver side of the vehicle, locate the vehicle taillight wiring connectors under the vehicle. The connectors will be similar to those on your new custom RV harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Insert the custom RV harness 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.

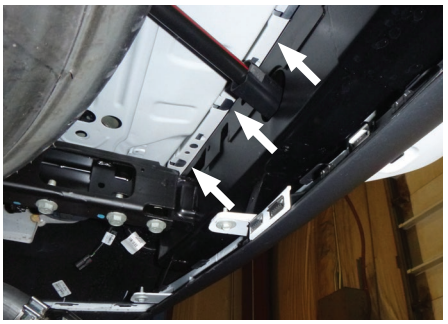


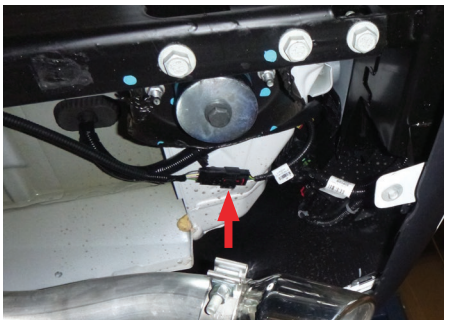


Step 3

Route the connector with the green wire along the back of the vehicle to the passenger side of the vehicle. Zip tie as needed to secure the wiring in place.

Repeat step 3 with the green wire on the passenger side of the vehicle.





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 (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

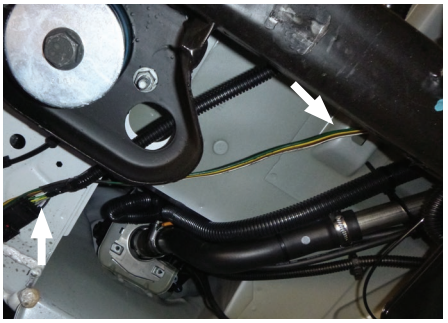
Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and/or personal injury

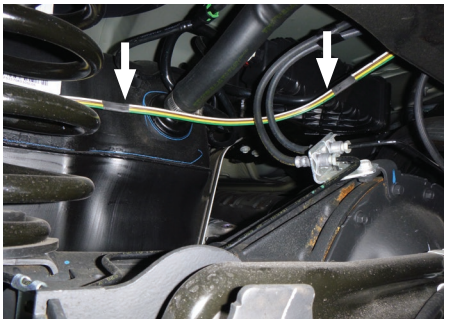
NOTICE

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 5

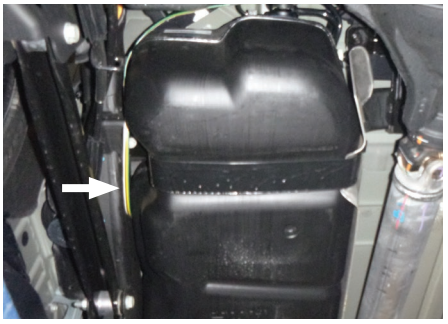
On the driver side of the vehicle, route the 4-flat along the fuel fill tube above the frame rail up to the rear of the fuel tank.

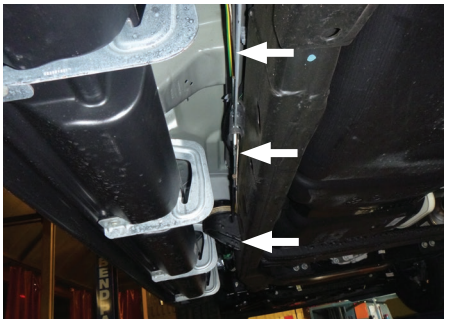




Step 6

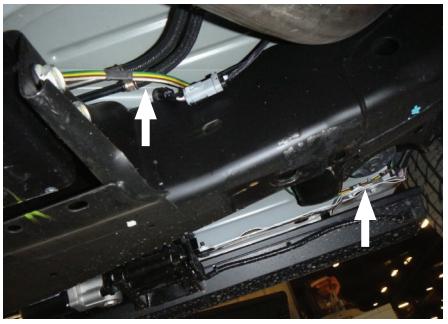
Route the 4-flat above and along the frame rail to just behind the driver-side front wheel. Loosely zip tie in place.





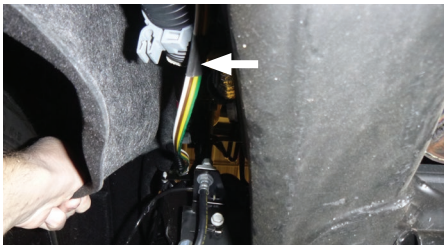
Step 7

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



Step 8

Route a fishwire down along the inner fender and fire wall of the vehicle. From under the vehicle, pull back the inside of the wheel well lining and locate the wiring routed from the rear of the vehicle. Fishwire the 4-flat wiring up into the engine compartment just below the brake master cylinder and to the left of the main fuse block.



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.

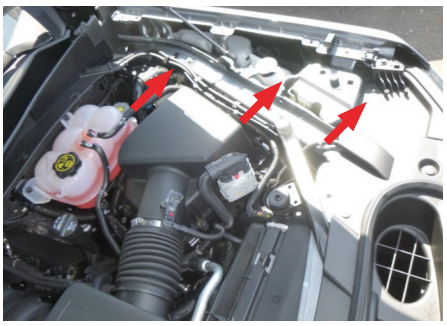
B) Use tape to secure the harness to the fish wire and pull back up.

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 9

Route the 4-flat along the radiator support to the driver-side inner fender and mount the 4-flat in the front of the vehicle under the hood.



Step 10

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.

Dinghy/Flat Towing

1. Position the front of the vehicle being towed with all four wheels on the ground behind the tow vehicle.
2. Secure it to the tow vehicle.
3. Put the vehicle in N (neutral).
4. Shut engine off (vehicle will remain in accessory mode).
5. Release the Electric Parking Brake (EPB), if applied.
6. Disconnect the negative (-) battery terminal from the 12-volt battery.
7. Close the hood of the towed vehicle, ensuring the hood latch is engaged prior to towing.