INSTALLATION MANUAL

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.

Electrical Ratings

Signal circuits	3.0-amps per side
Tail / Running Circuits	6.0-amps total

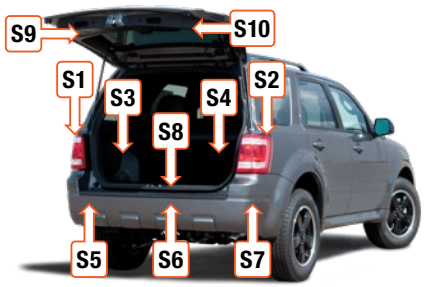
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

Under dash, S3

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

Ratchet	Cutting tool
Socket set	Wire cutters
Panel trim removal tool	--

⚠ WARNING

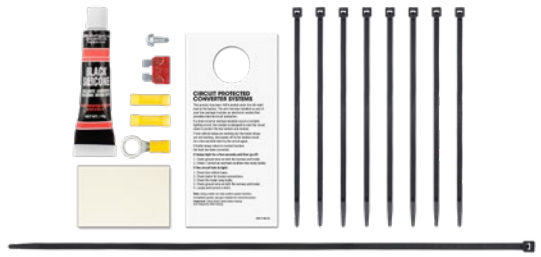
Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

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

The battery connection must be fuse-protected, 10-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire.

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.

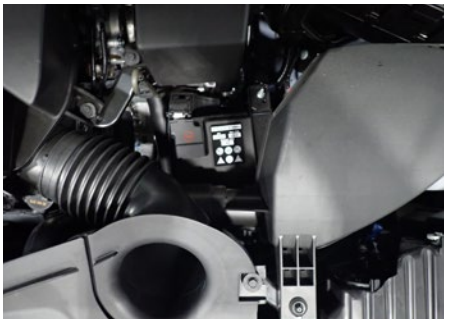
All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

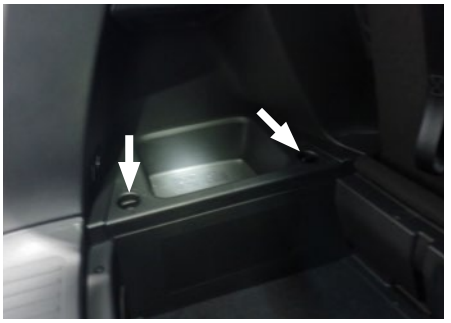
Step 1

Locate the vehicle battery on the driver side just behind the headlight. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.



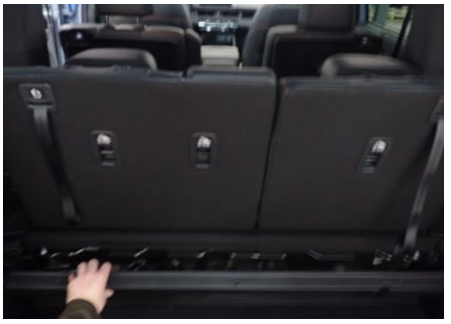
Step 2

Open the vehicle rear hatch. Remove the floor board to access the storage area. There is a storage cubby on the driver side with two 1/4 turn twist hold-downs. Twist and lift this cover up (may need to remove items in cubby) to access the tire tool kit.



Step 3

From the rear hatch area, use the trim tool to loosen the rear trim panel to the third-row seating by removing six rubber push fasteners and remove by pulling straight up.



Step 4

On the driver side in the area between the rear of the side cubby removed in step 2 and the 3rd row seat trim panel removed in step 3, route the white connector from the custom harness into the cubby area. Attach this housing to the mating housing inside this cubby area (the connector is located on the driver-side wheel well body in the upper left side of the cubby).

Step 5

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.

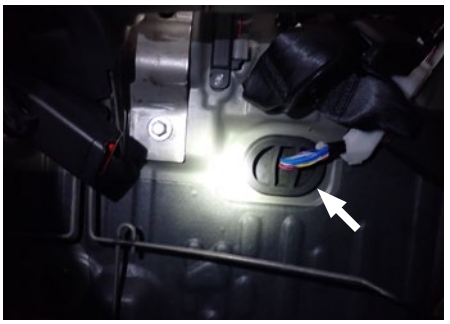
⚠ CAUTION

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

Step 6

Move into the rear passenger cabin by moving the second-row seat forward and enter the third-row seating area. Reach into the driver-side third row seat (larger cushion) and pull up the seat (belt lap portion may fall down in).

Once the area beneath the seat is visible, locate the wiring harness that goes into a black rubber grommet. Pull the grommet into the cab of the vehicle out of the body.

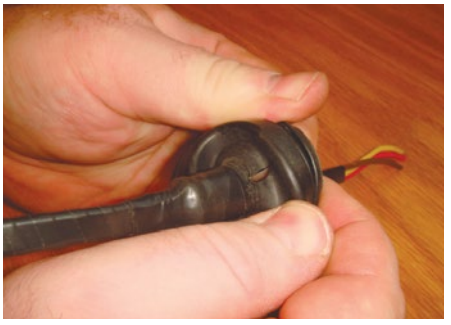


Step 7

Locate the grommet from the hole where wiring passes though from inside the cabin to the exterior. Remove the grommet and cut a slit large enough to route the new custom wiring end through.

Route the custom wiring end with the brown and red wires out through the grommet opening and though the slit in the grommet. Insert the custom wiring end with brown and red wires between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.

Reseat the grommet. Use the provided sealant to seal the cut in the grommet and around all the wires.



Step 8

Route the black connector on the custom wiring harness into the opening and replace the grommet. Adjust the hole size as needed, but keep it as tight of a seal as possible.

Step 9

Note: Before going under the vehicle, dropping down and / or removing the spare tire will be beneficial.

From under the vehicle, route the custom harness to the rear of the vehicle. Secure the harness with zip ties as needed so that it is not near any moving or hot vehicle components. Mount the 7-way connector within the bumper or in a bracket. Connect the black connector to the 7-way connector.

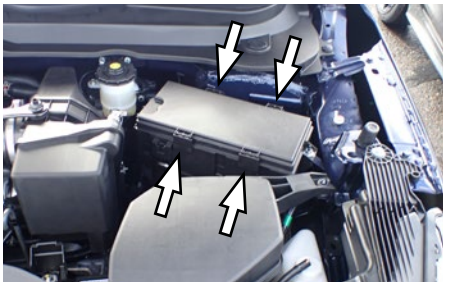
Step 10

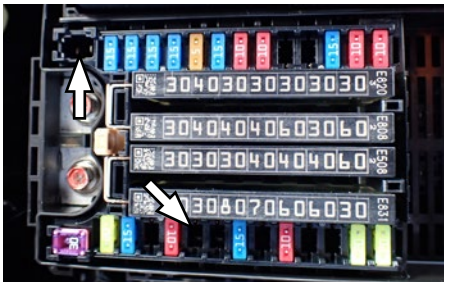
Adjust the harness both inside and outside the vehicle. Adhere the black converter box inside the vehicle using the provided double-sided tape or cable tie and seal the grommet with silicon sealant that was cut to allow the harness to get outside the vehicle in steps 6 through 8. (This will prevent exhaust gasses, cold, and water from entering the vehicle).

NOTICE

Some vehicles do not have all fuses needed in the fuse box located in the engine compartment. Open the hood and locate the fuse panel on the driver side. Release the four cover locks by lifting straight up.

Install the pink 30 amp fuse in the location 7 and the yellow, 20 amp fuse in location 12.





Step 11

Secure any loose wires with the provided cable ties. Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal. Using a tester or a functioning trailer