INSTALLATION MANUAL

Level of Difficulty

Easy

Electrical Ratings

Signal circuits	5.5-amps per side
Tail / Running Circuits	7.5-amps total

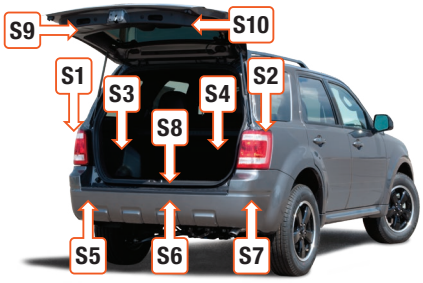
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

S3 and S4

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	Panel trim removal tool
Socket, 10mm	Cutting tool
Socket extension	Wire crimper
Torx bit, T-45	Wire stripper
Electrical tape	--

⚠ WARNING

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

The battery connection must be fuse-protected, 15-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire.

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.

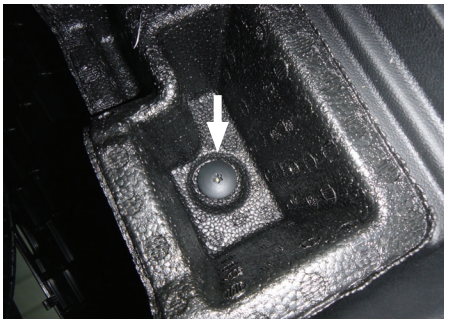
Step 1

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

Open the vehicle hatch. Remove all floor and rear cargo area coverings. Place the rear seats in the down position.

Using a T-45 Torx bit, remove the two fasteners securing the floor support and cargo bins. Remove the foam from the back of the vehicle and set off to the side.



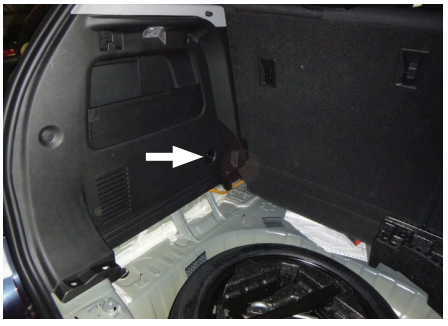
Step 3

Remove the fasteners securing the rear scuff panel. Remove the scuff panel by using a 10mm socket to remove the two cargo tie downs and pulling out on the bottom and then up. Take care not to damage the alignment tabs on the back.

Step 4

Using a 10mm socket, remove the two cargo tie downs just behind the rear seats on the side walls. Use a panel trim removal tool to loosen the side wall plastic.

Repeat this step on the other side of the vehicle.



Step 5

On the driver side, pull back on lower side wall to locate the vehicle taillight wiring connectors. The connectors will be similar to those on your new custom wiring product. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Insert the custom wiring harness end with the yellow wire between the separated connectors. Make sure the connectors are fully inserted with the locking tabs in place.

Step 6

Locate a flat clean surface that is out of the path of spray and debris from the rear wheels and road. Adhere the black converter box using the provided double-sided tape. Failure to mount the box in a protected area can cause loss of warranty, product failure, overheating and potential fire.

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.

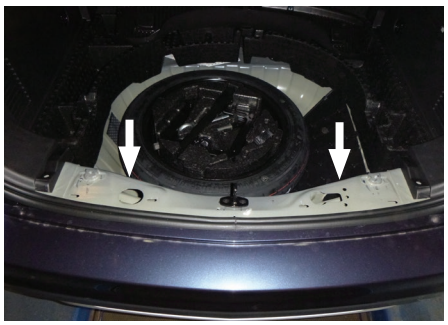
⚠ CAUTION

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

Step 7

Route the custom wiring end with the green wire to the passenger side behind the removed scuff panels.

Repeat steps 5 on the passenger side using the wiring end with the green wire. Secure any loose wires with the provided cable ties.



Step 8

Route the black power wire from the vehicle battery as shown on the last page of this manual.

NOTICE

Once the 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.

When in use, route the 4-flat to the center of the vehicle and out of the trunk. When not in use, roll up and store in a convenient, out of the way location inside the trunk. 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. Install the provided 4-flat dust cover to help prevent corrosion.

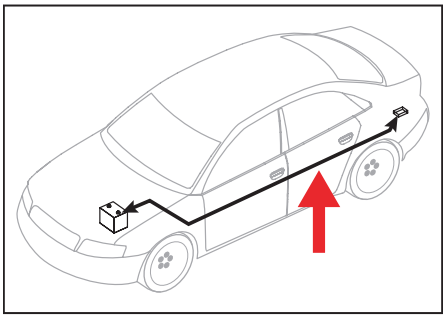
POWERED CONVERTER LEAD INSTRUCTION SHEET

NOTICE

Illustrations are for reference only. Battery location may differ depending on the vehicle.

WARNING

To avoid personal injury or property damage, check for miscellaneous i tems that may be behind or under any surface before drilling.

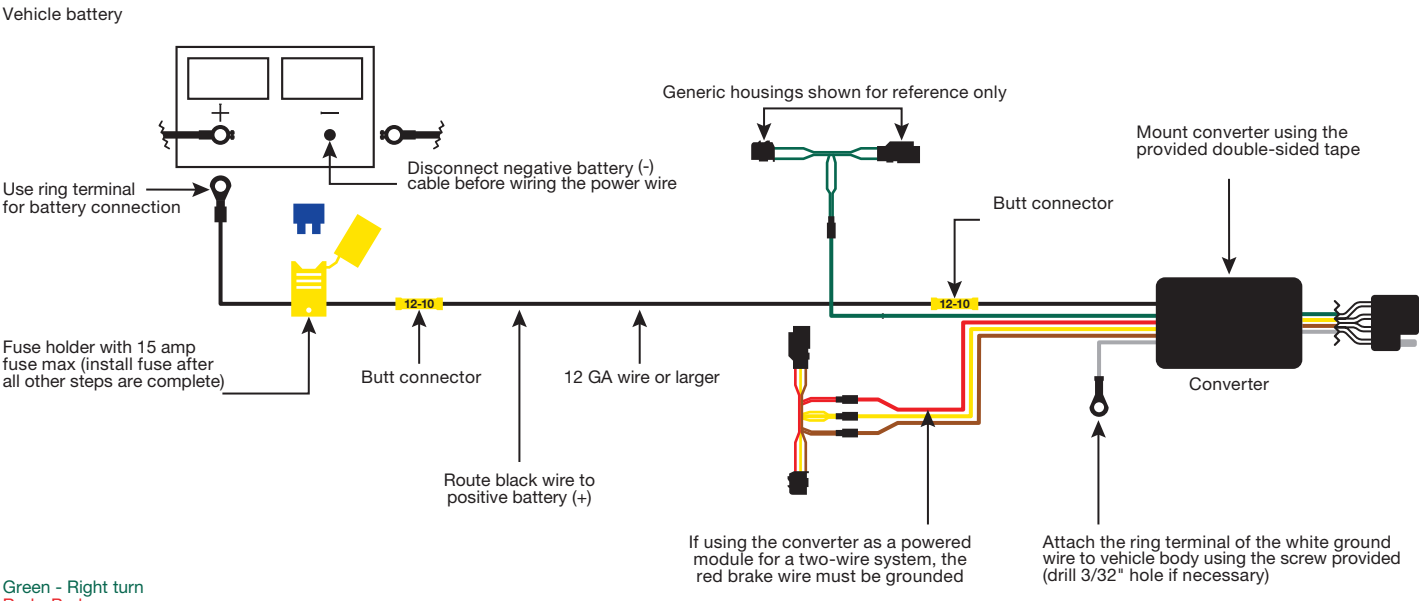


NOTICE
AVIS / AVISO

1. This converter system is to be used only on 12 volt negative ground systems.
2. Secure power wire to vehicle chassis using cable ties provided.
3. When passing the power wire through sheet metal, use an existing grommet, add a grommet or use silicone to protect the power wire from sharp edges.
4. Overall T-connector design may differ from illustration. The illustration should be used for power lead instruction only. Illustration is not to scale.

WARNING

Route 12 GA wire to vehicle battery location, taking care to avoid any pinch points and hot or rotating components.



Green - Right turn
Red - Brake
Yellow - Left turn
Brown - Taillight