

Level of Difficulty

Difficult

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.

Tools Required

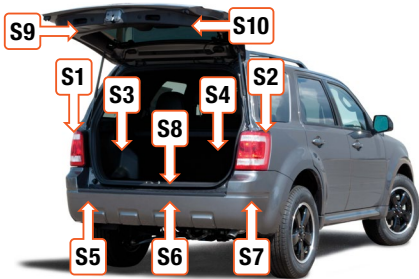
Ratchet	Wire Cutter
Ratchet extension, 6"	Wire Stripper
Socket, 10mm	Crimping tool
Wrench, 10mm	Cutting tool
Torx, T-25	Panel trim tool
Torx, T-30	Fish wire
Phillips screwdriver	--

Wiring Location(s)

S1 and S2

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

⚠ WARNING

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

Be sure not to lay tools across the positive terminal (typically noted with red covers or a red '+' symbol). This can cause a ground to short leading to 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



NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

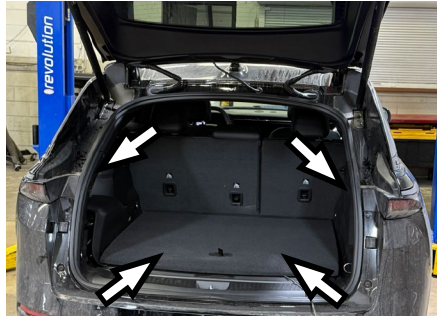
All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

Maintenance

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

Step 1

Open the rear hatch and remove the rear cargo floor coverings. Set aside after removal.



Step 2

Locate the rear battery cover on the driver side.

Remove the cover and ensure not to break any mounting tabs. Set aside after removal.

Disconnect the negative battery post and ensure the battery cab is isolated in order to protect it from creating an electrical system ground.

⚠ CAUTION

Grounding of the negative cable to a metal item could cause damage to the vehicles electrical system.



Step 3

Locate the two (2) taillight trim panels covering the taillight mounting bolts. Pull the trim cover backward ensuring there is no damage or broken mounting tabs.

Use a T-25 Torx bit to remove the cover mounting screws on both driver and passenger trim panels. Once the bolts are removed, sit trim panels aside.

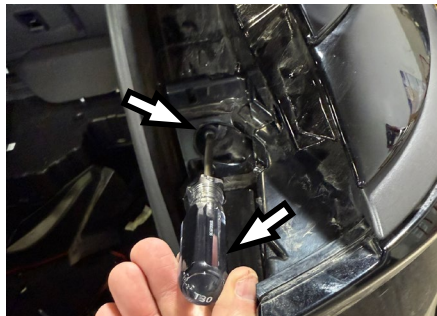


Step 4

On the passenger's side, remove the taillight mount screw Using a T-30 Torx bit.

Gently pull taillight assembly rear ward and sit aside.

Repeat this step for the driver's side.

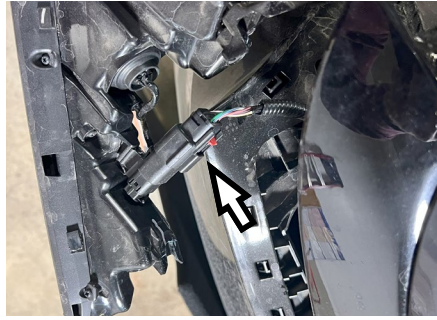


Step 5

Disconnect the wire harness connector housings from both the driver and passenger side taillight assemblies.

Ensure no mounting or connector tabs are damaged in the disassembly.

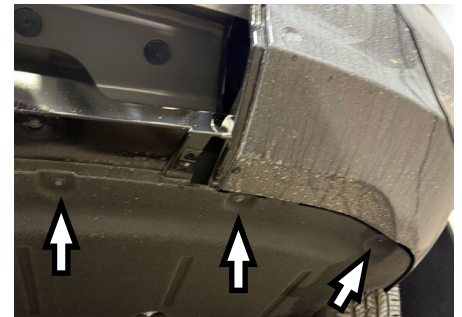
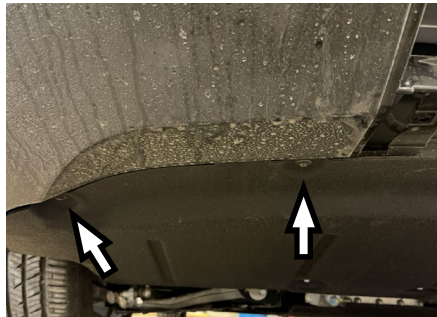
Place the taillight assemblies aside.



Step 6

Underneath the vehicle, locate the rear splash panel.

Remove the five (5) mounting push pins and pull down the splash panel to gain access for the lighting module, the harness routing, and the installation steps label.



How to Fishwire

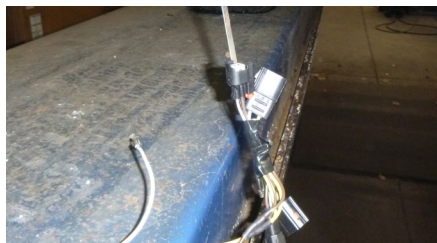
A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

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.

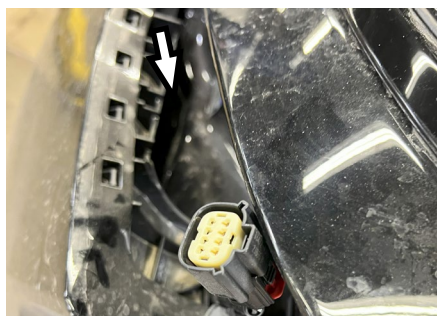


Step 7

Starting underneath the driver's side, fish wire the yellow wire up between the body and rear bumper cover.

Connect the harness end with the yellow wire between the taillight and the factory wire harness connectors that were separated in step 5.

Reinstall the taillight into the driver side taillight pocket.



Step 8

Route the green wire down to the bumper on the passenger side. Secure any loose wires with the provided cable ties.

Step 9

Repeat step 6 & 7 with the connector containing the green wire.



Step 10

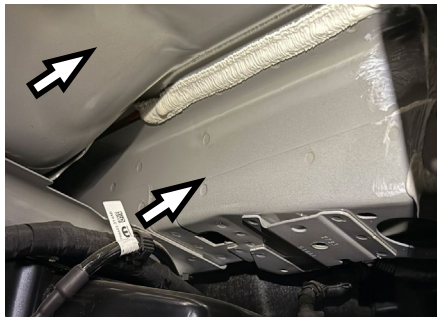
Locate a flat clean surface that is out of the way from sprays and debris.

Adhere the lighting module box using the provided double-sided tape.

Note: Mount the lighting module box with the epoxy side down to prevent environmental intrusion.

NOTICE

Failure to mount the box in a protected area can cause loss of warranty, product failure, overheating and potential damage.

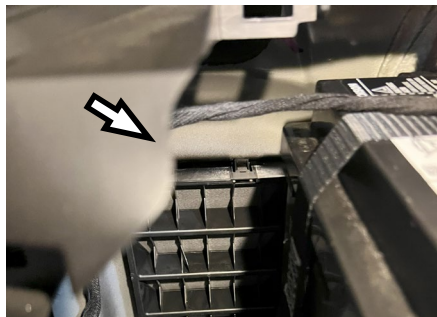


Step 11

On the driver-side, locate the rear cargo vent underneath the vehicle.

Route the black 12 GA power wire and white 12 GA ground up wire through the vent and into the rear battery compartment.

Route white ground wire with ring terminal to the negative battery post



Step 12

Route the black power wire from the vehicle battery as shown on the provided 'Powered Converter Lead Instruction Sheet'.

Step 13

Route the 4-way flat connector along the rear bumper fascia and over to the center of the vehicle. Secure the 4-way connector into a bracket (not included) and any loose wires included with the provided cable ties.

Step 14

Reconnect the negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion. Reinstall all removed items in the reverse order of disassembly to complete install.

NOTICE

Once the T-Connector harness has been installed verify that the harness is functioning by using a Test light, 4-Way Tester, multimeter, or attaching the 4-way flat to any trailer with a functioning light's

POWERED CONVERTER LEAD INSTRUCTION SHEET

FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

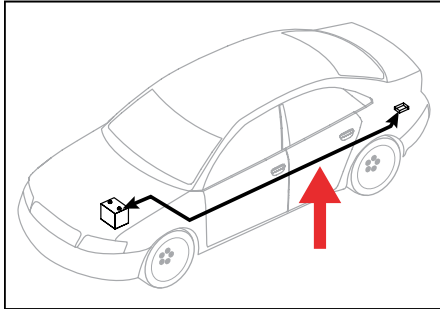
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

NOTICE AVIS / AVISO

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

Les images ne sont fournies qu'à des fins de référence. L'emplacement de la batterie peut varier en fonction du véhicule.

Las ilustraciones son solo para referencia. La ubicación de la batería puede variar según el vehículo.



WARNING AVERTISSEMENT / ADVERTENCIA

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

Acheminer le câble de calibre 12 à la batterie du véhicule en prenant soin d'éviter les points de pincement et les éléments chauds ou pivotants.

Pase el cable calibre 12 hacia la ubicación de la batería del vehículo, con cuidado de evitar atascos y componentes calientes o giratorios.

WARNING AVERTISSEMENT / ADVERTENCIA

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

Pour éviter les blessures et les dommages matériels, vérifier les divers articles qui peuvent se trouver derrière ou sous la surface avant de percer.

Para evitar lesiones personales o daños materiales, verifique que no haya ningún elemento detrás o debajo de la superficie antes de perforar.

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.

1. Ce système de convertisseur ne doit être utilisé qu'avec une prise de masse de polarité négative de 12 volts.
2. Fixer le câble d'alimentation au châssis du véhicule à l'aide des courroies d'attache de câble fournies.
3. Utiliser un œillet existant, ajouter un œillet ou appliquer du silicone pour protéger le câble d'alimentation des rebords tranchants au moment de le passer à travers la tôle.
4. La disposition générale du connecteur en T peut différer de l'illustration. Celle-ci ne doit être utilisée que pour le convertisseur d'alimentation. L'illustration n'est pas à l'échelle.

1. Este sistema de adaptadores solo se debe utilizar con sistemas con polo negativo a masa de 12 voltios.
2. Sujete el cable de alimentación al chasis del vehículo utilizando los sujetacables suministrados.
3. Al pasar el cable de alimentación por la lámina de metal, utilice la arandela pasacable existente, agregue una arandela pasacable o utilice silicona para proteger el cable de alimentación de los bordes filosos.
4. El diseño general del conector T puede ser distinto de la ilustración. La ilustración solo se debe utilizar para la instrucción del conductor de alimentación. La ilustración no está a escala.

