

INSTALLATION MANUAL

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-amps per side
Tail / Running Circuits	6-amps total

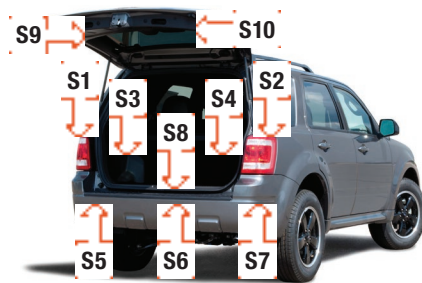
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

S9 and S10

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	Phillips screwdriver
Extension, 6"	Test light
Socket, 10mm or wrench	Fish wire
Drill	Wire cutters
3/32 drill bit	Wire crimpers

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

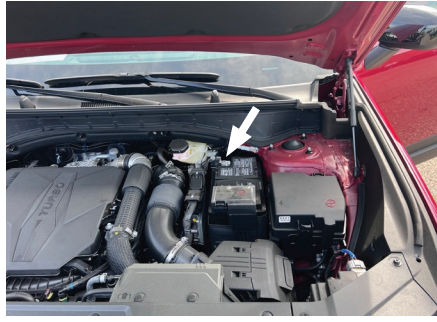
Open the hood on the driver's side of the engine compartment.

Locate the vehicle's negative battery post.

Disconnect the negative battery cable and ensure it is isolated to protect from creating an electrical system ground.

⚠ CAUTION

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

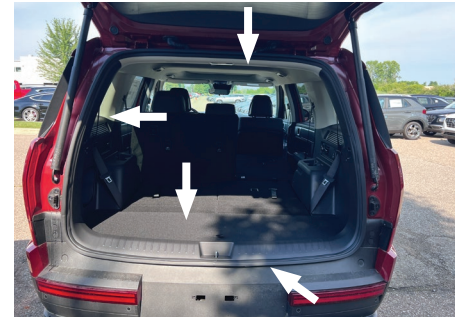


Step 2

Open the rear hatch and remove all cargo floor coverings.

Remove the headliner trim panel and threshold, being careful to not break mounting tabs or pins.

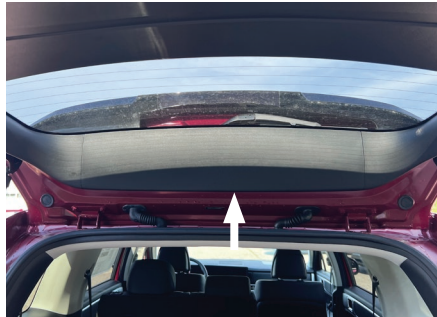
Once headliner trim panel and threshold have been removed, pull back the driver's side trim panel.



Step 3

Under the upper hatch, locate the trim panel at the hatch hinge point.

Using a trim panel tool, remove the center trim, then the left and right hatch glass trim panels. Be careful to not to break mounting tabs.



Step 4

Using a trim panel tool, remove the rear hatch trim panel to expose the taillight wiring connections for installation of lighting module.

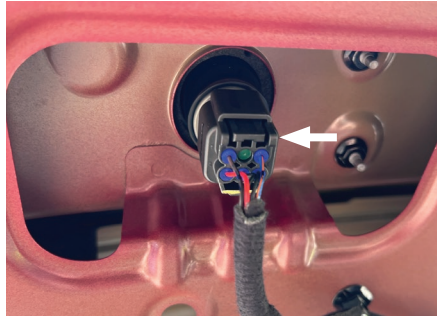
When removing the hatch trim panel, disconnect the hatch open/close switch that is located in the hatch trim panel. Be careful not to damage the trim panel or locking tabs of the switch.



Step 5

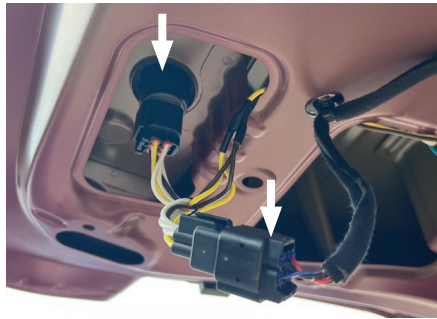
Locate the taillight wire connectors. The taillight connectors are in each corner of the hatch.

Starting on the driver's side, disconnect the factory taillight wiring on both driver's and passenger's side of the hatch.



Step 6

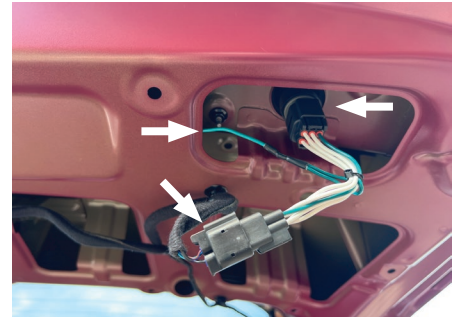
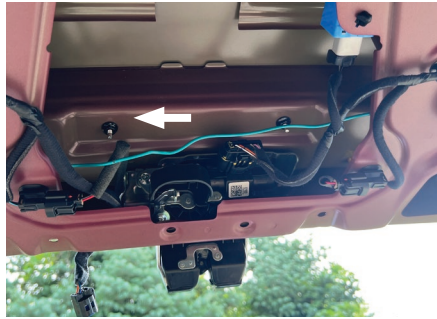
Starting on the driver's side, insert the connector with the yellow wire from the 4-pin taillight wiring harness into the taillight's mating connector and the vehicle lighting harness.



Step 7

Route the connector with the green wire into the rear hatch structure to the center of the hatch and over to the passenger's side light pocket.

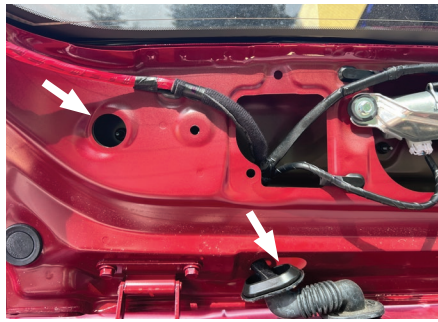
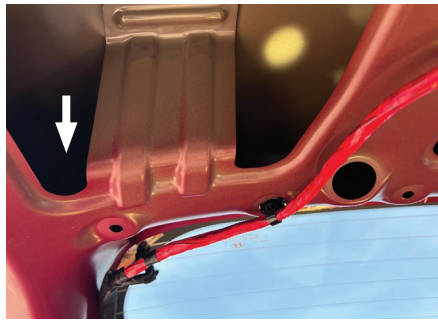
Insert the taillight harness with the green wire in the taillight and vehicle's mating connectors.



Step 8

On the driver's side, route the taillight harness following the vehicle's hatch wiring to the access boot next to the hinge on the driver's side.

Ensure the harness has been secured with the supplied cable ties to the hatch wire harness.



Step 9

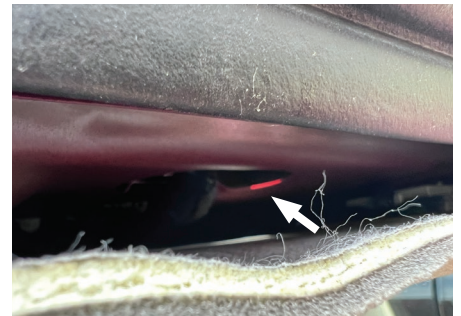
Locate the rubber weather boot and dismount both ends of the rubber boot.

Using a fish wire, insert the 4-pin taillight wire harness into the boot.

Gently feed the harness through the boot and route the harness through the mounting hole in the vehicle body into the interior just above the headliner.

⚠ CAUTION

Ensure the taillight wiring harness is routed entirely through the boot or damage to the harness can occur.



Step 10

After taillight harness routing, remount the protective boot into the hatch and vehicle body.

Ensure the taillight harness is not pinched or it will rub on the vehicle's body structure.

⚠ CAUTION

Rubbing or pinched taillight harness will result in damage to lighting module.



Step 11

Tuck the taillight wire harness between the head liner and vehicle roof to the driver's side trim panel.

Route the taillight harness behind the trim panel and down into the rear cargo area.



Step 12

Locate a clean flat area near the driver's side taillight connector behind the driver's side trim panel.

Using the supplied double-sided tape, mount the lighting modules box to the vehicle's body.

Step 13

Locate the 4-pin taillight harnesses male connector.

Insert the mating taillight harness connector into the lighting module, being careful not to break locking tabs.

Step 14

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 15

Locate grommet or rear cargo vent and route the black power wire underneath the vehicle to the engine compartment.

Alternate method, route the black power wire through interior and out the fire wall to the engine compartment.

Step 16

Route the black power wire from the vehicle battery as shown on the included CME-PCL-INS sheet.

Step 17

Route the 4-way flat connector under the driver's side panel into the cargo area.

Secure any loose wires with the provided cable ties.

Note: When the 4-way harness is being used, do not pinch the harness in the latch of the hatch or 4-way harness can be damaged.

Step 18

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 installation.

Step 19

Store the 4-way connector in the rear cargo area when not in use.

NOTICE

After installing the T-Connector harness, verify its operation using a test light, 4-way tester, multimeter, or by connecting the 4-way flat to a trailer with functioning lights.

POWERED CONVERTER LEAD INSTRUCTION SHEET

FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

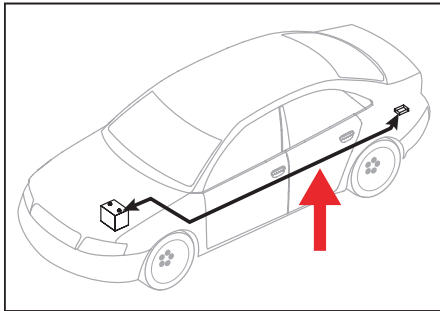
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

