

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

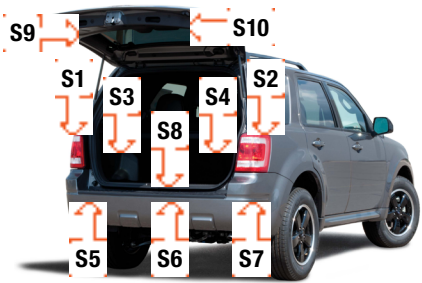
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

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	Phillips screwdriver
Extension, 6"	Flathead screwdriver
Socket, 10mm	Wire cutter
Drill	Wire crimpers
Drill bit, 3/32"	Test light

⚠ 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 all floor coverings and privacy screens. Lay both rear seats down and remove rear cargo package tray.

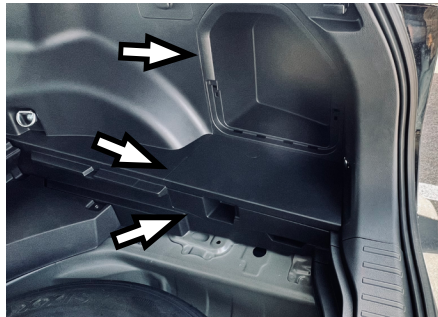


Step 2

Starting on the passenger's side, remove the side trim panel and package tray to access the vehicles battery. Remove the negative battery cable. Ensure the negative cable is isolated to prevent a unintentional grounding to the vehicle chassis.

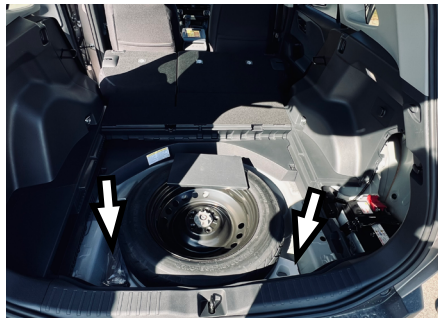
⚠ CAUTION

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



Step 3

Starting on one side of the threshold, place trim panel tool between the rear hatch seal and underneath the threshold. Gently pry the threshold upwards, being careful not to break mounting tabs or pins. Place threshold aside. Remove the two Philips screws on each side of the rear spare tire tray.



Step 4

On the passenger's side locate the two lower metal cargo hooks. Using a 10mm socket remove both hooks and set them aside. The Upper Cargo hook has a small release pin for removal. The pin is inline with the "T" of the cargo hook. Depress the release pin to remove the cargo hook.

Note: Upper cargo hook can be difficult to push the release pin and dismount the hook from the body.



Step 5

Once the cargo hooks have been removed, using a trim panel tool pull back the passenger side trim panel to expose the taillight connector wiring. There is a white 4-pin connector mounted. Unclip the connector and disconnect the taillight harness from the vehicle harness.



Step 6

Route the connector with the green wire underneath and behind the passenger side trim panel. Following next to the battery cable up to the mating connector mounting point. Insert the 4-pin connector into the mating vehicle and taillight connectors, being careful not to break mounts tabs or clips.

Step 7

Locate a clean flat area behind the passenger's side trim panel. Using the supplied double-sided tape mount the lighting modules box.

Step 8

Remove 3 cargo hooks on the driver's side. Repeat cargo hook removal from Step 4. Pull back the driver's side trim panel, ensure mounting pins or clips are not damaged. Locate and disconnect the passenger side taillight harness per Step 5.



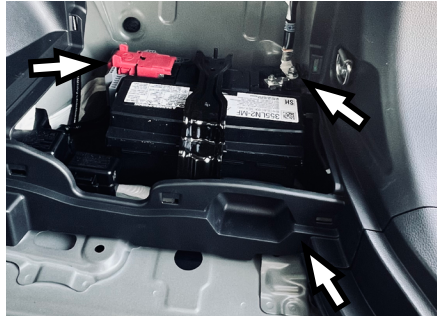
Step 9

Route the harness with the yellow wire along the threshold over to the driver's side trim panel. Route harness underneath the trim panel and up to the taillight connection point. Insert the connector with the yellow wire into the mating vehicle 4-pin harness and mating taillight harness. Ensure no pins or clips are broken or damaged.



Step 10

Route the power (black) and ground (white) wires from the lighting modules box, underneath the passenger's side trim panel to the vehicle's battery compartment. Route the ground wire (white) to the negative battery terminal.



Step 11

Route the black power wire to the vehicle battery as shown on the included CME-PCL-INS sheet. Connect the ground wire (white) to the negative battery terminal using a 10mm socket or wrench.

Step 12

Route the 4-way flat connector into the center of the cargo area. Secure any loose wires with the provided cable ties. Route the 4-way flat connector between the rear floor coverings and out the hatch when in use.

Note: Ensure when the 4-way harness is being used to not pinch the harness in the latch of the trunk or 4-way harness can be damaged.

Step 13

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 14

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

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 functioning lights.

POWERED CONVERTER LEAD INSTRUCTION SHEET

FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

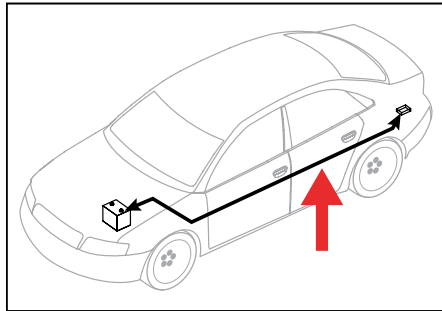
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

