

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

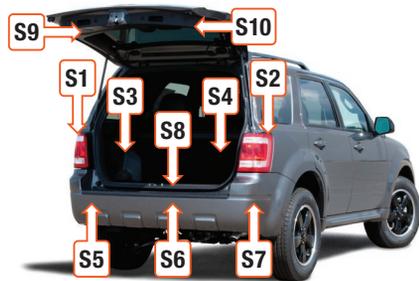
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

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
Torx T-25	Fish Wire
Drill	Wire Cutters
3/32 drill bit	Wire Crimpers
Socket, 10mm	Test Light
Wrench, 10mm	

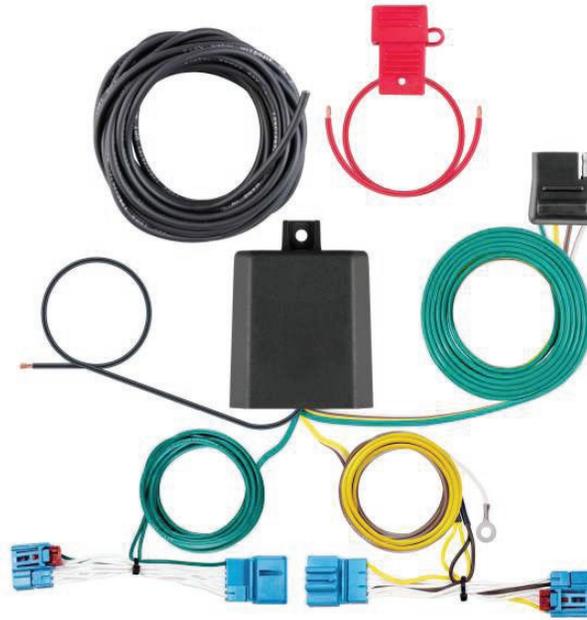
WARNING

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

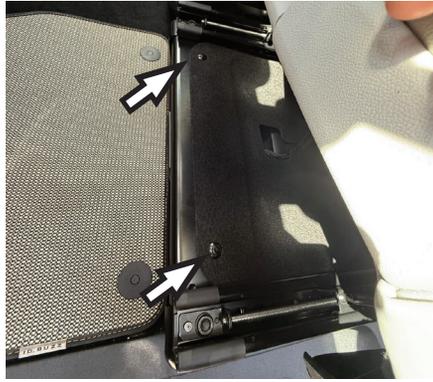
Open the driver's side front door and slide the driver's seat fully rearward to access the vehicle's 12-volt battery.

Using a trim panel tool, remove the two plastic push pins securing the felt battery cover. Pull the felt cover back to expose the negative battery cable.

Locate and remove the negative battery cable, ensuring it is properly isolated once disconnected.

CAUTION

Grounding of the negative cable to a metal item could cause damage to the vehicle's electrical system.



Step 2

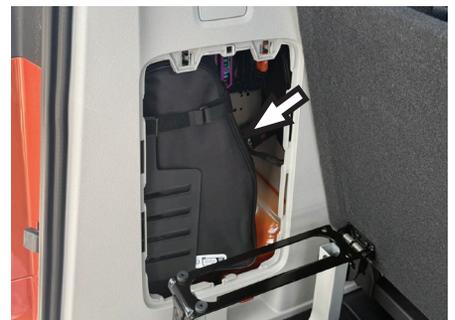
Open the rear hatch, then lift the rear cargo cover and secure it in place.



Step 3

Remove the rear threshold and the driver's and passenger's access panels, being careful not to damage any mounting or securing tabs.

On the driver's side, remove the accessory bag.

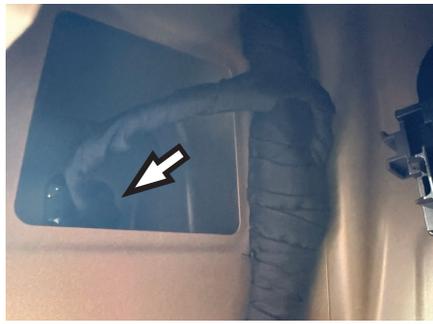


Step 4

Starting on the driver's side, locate the taillight wiring connector inside the driver's side access trim panel near the rear taillight.

Disconnect the blue taillight connector.

Connect the mating connector from the lighting module (with the yellow wire) between the taillight and the vehicle wiring harness, being careful not to damage any locking tabs.



Step 5

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

Using the supplied double-sided tape, mount the lighting module box.

Locate the vehicle grounding stud, and using a 10mm socket, connect the lighting module's white ground wire to the stud.



Step 6

Starting at the driver's side trim panel access point, route the connector with the green wire under the driver's side trim panel into the cargo area.

Continue routing it along the threshold and over to the passenger's side trim panel access point.

Step 7

Repeat Step 4 for the lighting module's green wire connection.

Step 8

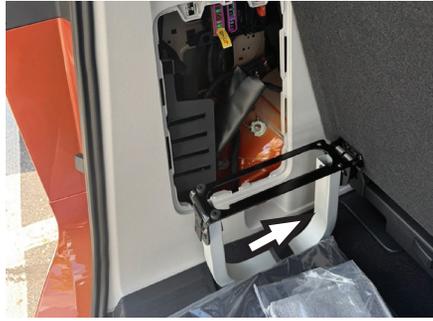
Route one end of the black 12 GA wire underneath the driver's side trim panel access point to the lighting module.

Connect the black 12 GA wire to the lighting module using the supplied butt connector from the hardware kit.

Step 9

Beginning at the driver's side trim panel access point, route the black 12 gauge power wire along the driver's side trim panel following the panel to the left van outer side door.

When routing the black power wire tuck the wire under the trim panel and carpet. Ensure no wire is cut or pinched to prevent damage to lighting modules power wire.



Step 10

Continue routing the lighting module's black power wire along the side panels to the 12-volt battery located under the driver's front seat. Follow the 12-volt battery connection procedure shown in the included CME-PCL-INS sheet.

Step 11

Route the 4-way flat connector under the driver's side panel into the cargo area. Secure any loose wires using the provided cable ties.

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

Step 12

Reconnect the negative battery terminal.

Install the provided 4-flat dust cover to help prevent corrosion.

Reinstall all previously removed items in the reverse order of disassembly to complete the installation.

Step 13

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

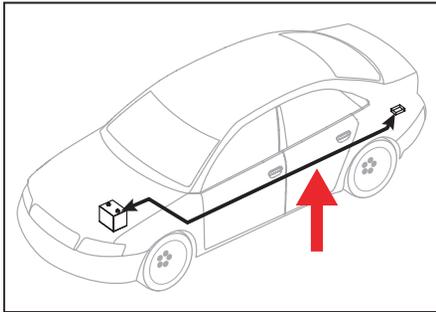
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

