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

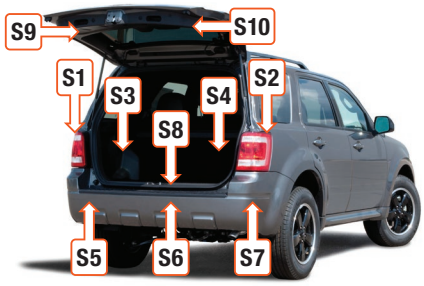
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

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

Tools Required

Rachet, 1/4 or 3/8	Phillips screwdriver
Extension, 6"	Trim panel tool
Torx T-15	Fish wire
Drill	Wire cutters
Drill bit, 3/32	Wire crimpers
Socket or wrench, 10mm	Test light

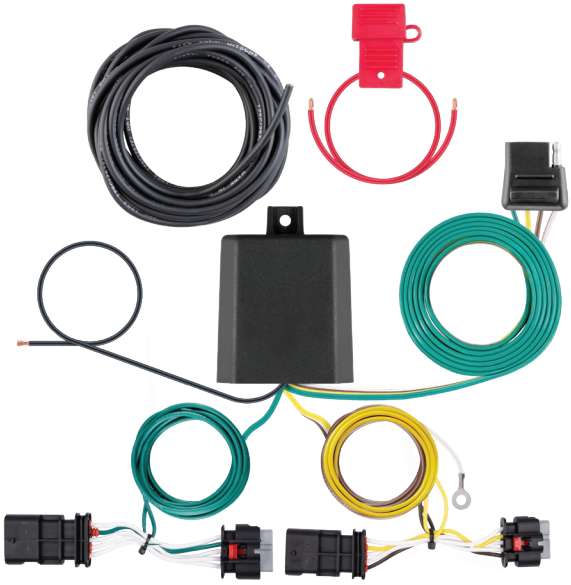
⚠ WARNING

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

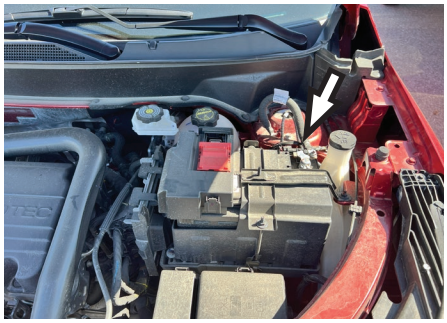
Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

Step 1

Open hood. On the driver's side of the engine compartment, locate the vehicle Negative battery post. Disconnect the negative battery cable. Ensure negative battery cable 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 rear hatch. Remove the rear taillight mounting bolt covers on driver's and passenger side.

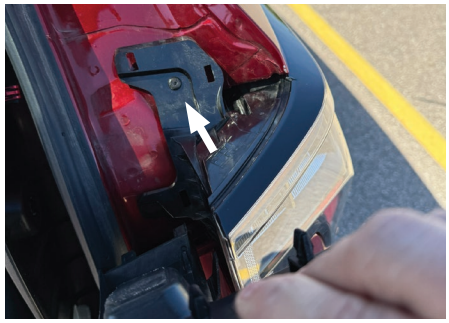
Step 3

Locate the Taillight mounting cover. Using a trim panel tool, remove taillight cover. Remove the taillight mounting bolts using a T-15 Torx bit.

Disconnect the taillight wiring harness. Set taillight assembly aside.

Repeat for driver's side taillight removal.

NOTE: Taillight removal is very hard. Pull taillights rearward to unseat the mounting pins from the taillight housing.



How to Fishwire

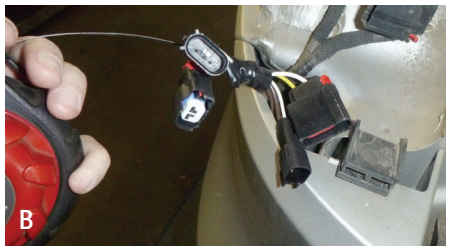
A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

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 4

Starting from the driver's side, fish wire down between the body of the vehicle from under the vehicle. Attach the housing with the yellow wire to the fish wire and pull up to the taillight opening. Connect the harness with the mating connector into the taillight and vehicles taillight wiring harness. After harness is connected remount the taillight into the vehicle's body.

Step 5

Locate a flat clean surface that is out of the path of spray and debris from the rear wheels and road.

Attach lighting modules black box using the provided double-sided tape and supplier cable tie (if possible).

NOTE: Mount the Module with Epoxy side down.

⚠ CAUTION

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

Step 6

Route the connector with the green wire along the bumper fascia and over to the passenger side.

Secure any loose wires with the provided cable ties.

Step 7

Repeat step 4 for the passenger's side taillight wiring connection.

Step 8

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 9

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

Step 10

Route the 4-flat to the center of the vehicle. Secure the 4-way flat into a bracket (optional) Secure any loose wires with the provided cable ties.

Step 11

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.

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.

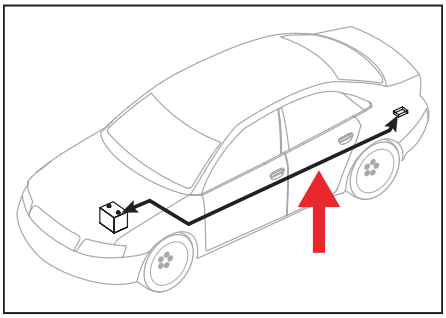
POWERED CONVERTER LEAD INSTRUCTION SHEET
FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

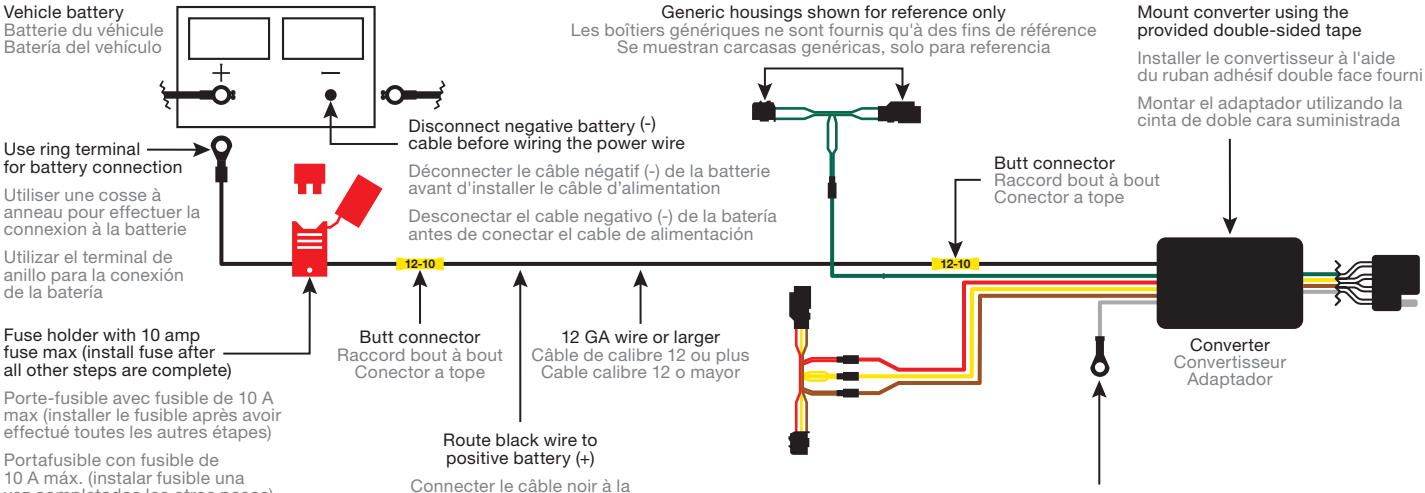
Para evitar lesiones personales o daños materiales, verifique que no haya ningún elemento detrás o debajo de la superficie antes de perforar.

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.



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

Vert - Clignotant droit
Rouge - Frein
Jaune - Clignotant gauche
Brun - Feu arrièr

Verde - Giro a la derecha
Rojo - Freno
Amarillo - Giro a la izquierda
Marrón - Luces traseras