

# INSTALLATION INSTRUCTIONS

**⚠ WARNING: DO NOT EXCEED PRODUCT RATING OR TOW VEHICLE LAMP LOAD RATING, WHICHEVER IS LOWER**

## APPLICATIONS

Make	Model
Ram	ProMaster City

## WIRING LOCATION GUIDE

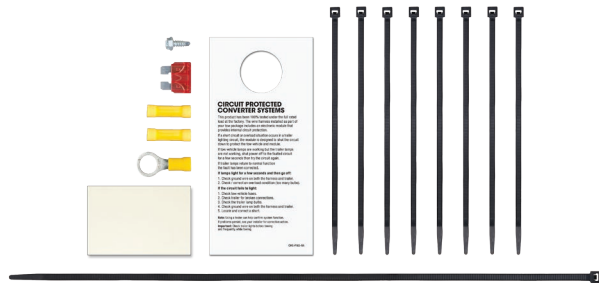
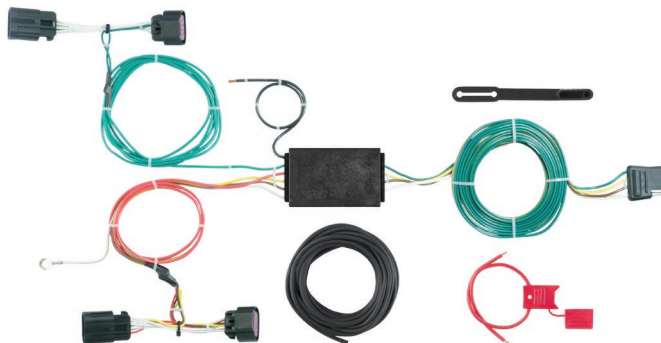
### SUVs, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

**S3** - Behind driver side rear access panel

**S4** - Behind passenger side rear access panel

## CUSTOM WIRING HARNESS



## NOTICE

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

## TOOLS NEEDED

Panel trim removal tool

Phillips screwdriver

Wire stripper

Crimping tool

Side cutter

Fish wire

Right angle pick

## ⚠ WARNING

The battery connection must be fuse-protected, 10-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire. Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Signal Circuits - 7.5 amps per side

Tail / Running Circuits - 7.5 amps total

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

# INSTALLATION / SAFETY INSTRUCTIONS

## Step 1

Locate vehicle battery on the driver side under the hood and disconnect the negative battery terminal.

## Step 2

Open the rear cargo doors (A). Starting on the driver side, locate the yellow push latch and push the latch in to be able to open cargo door past 90° (B).

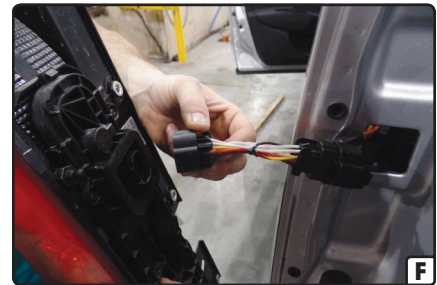
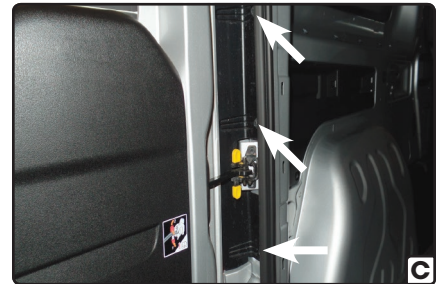
## Step 3

Locate and remove the Phillips screws holding the taillight in place (C). Remove the taillight to access the vehicle taillight wiring harness. The connectors will be similar to those on the custom wiring harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs (D).

## Step 4

Insert the custom wiring harness end with yellow wire into the top frame hole on the driver side (E). Fish wire it down the channel leading to the rear of the taillight connector. Route the end through the opening and insert the wiring harness end with yellow wire between the separated connectors (F). Make sure the connectors are fully inserted with locking tabs in place. Reinstall the taillight.

Instructions continued on the page 3



# INSTALLATION / SAFETY INSTRUCTIONS

## Step 5

Remove the dome light located inside the rear cargo area, above the cargo doors (G).

## Step 6


Run a long fish wire into the top frame hole on the passenger side above the cargo door towards the center of the vehicle. Use the hole from the removal of the dome light to guide the fish wire all the way to the driver side of the vehicle.

## Step 7

Using the routed wire, fasten the custom wiring harness end with the green wire to it. Route the custom wiring harness end with the green wire to the passenger side (H, I, J). Repeat step 5 on the passenger side using the harness end with the green wire.

## Step 8

Locate a suitable grounding point near the connector such as an existing screw with nut in the vehicle frame or drill a 3/32" pilot hole for the provided screw. The area should be free of rust, dirt and paint. Secure the white ground wire using the ring terminal and provided screw.

 **WARNING:** Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and / or personal injury.

## Step 9

Inside the cargo area, on the driver side, locate a flat spot on the upper corner inside the rear cargo door frame. Adhere the black converter box using the provided double-sided tape (K).

## Step 10

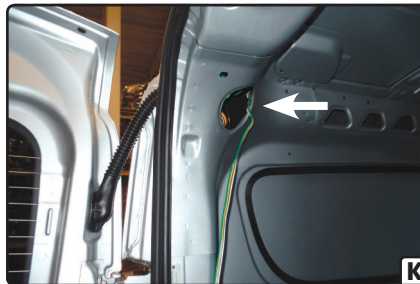
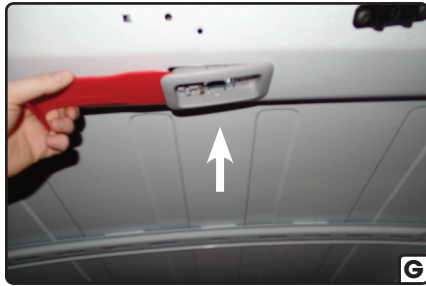
Route the black power wire from the vehicle battery as shown on the included CME-PCL-INS sheet.

## Step 11

Remove the 12V DC accessory port cover located near the floor on the driver side. Route the 4-flat wire through the top frame hole where the converter is installed and down out the bottom of the 12V DC accessory hole. Reinstall the 12V DC accessory cover and coil the 4-flat wire for storage when it is not in use (L).

## Step 12

Reinstall all items removed during install and reconnect negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.



# POWERED CONVERTER LEAD INSTRUCTION SHEET

## FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

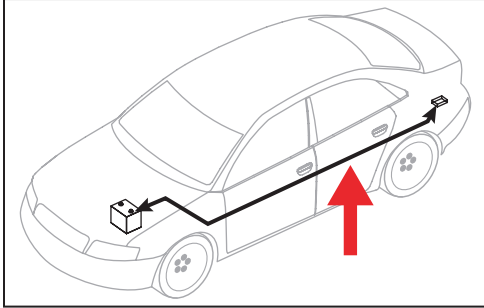
## HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

### 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.

