

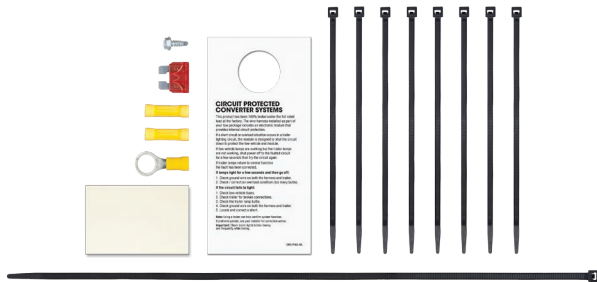
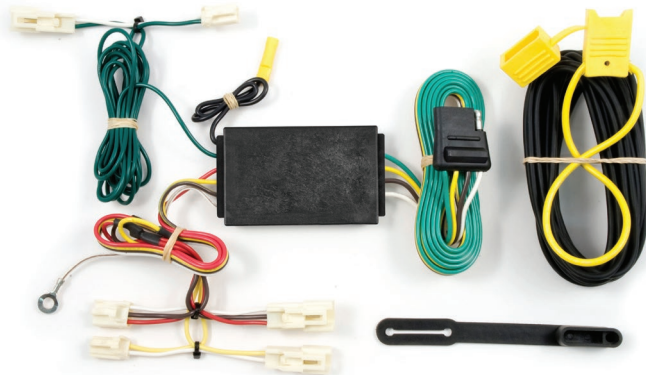
# INSTALLATION INSTRUCTIONS

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

## APPLICATIONS

Make	Model
Mazda	3
Mazda	6
Toyota	Camry (excl hybrid)
Toyota	Camry
Toyota	Corolla
Toyota	FJ Cruiser

## CUSTOM WIRING HARNESS



## ⚠ 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 - 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 GUIDE

### PASSENGER CARS (P)

Representative vehicle shown below

**P3** - Behind driver side taillight housing, inside of trunk

**P4** - Behind passenger side taillight housing, inside of trunk



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

Representative vehicle shown below

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

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



## 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

Ratchet  
8mm socket  
10mm socket

Phillips screwdriver  
Flat blade screwdriver  
Panel trim removal tool

# INSTALLATION / SAFETY INSTRUCTIONS

## Step 1

### Mazda 3 and 6

Locate the vehicle wiring harness connectors inside the rear cargo area by removing the plastic scuff panel and pulling back on the felt trunk liner (A, B, C).

### Toyota Camry and Corolla

Locate the vehicle wiring harness connectors inside the rear cargo area by removing rear scuff panel and felt trunk liner (D,E).

## Step 2

### Mazda 3

Locate the vehicle taillight wiring harness connectors (F). 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.

### Mazda 6

On the driver side only, using a 10mm socket to remove the two nuts on the back of the vehicle taillight housing. Remove the taillight housing by gently pulling rearward. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Set the taillight assembly aside.

### Toyota Camry

Remove the plastic nuts securing the cargo tray. Remove the tray (G). Locate the vehicle taillight wiring harness connectors. 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.

### Toyota Corolla

Locate the vehicle taillight wiring harness connectors. 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.

## Step 3


Starting on the driver side, insert the custom wiring harness end with yellow wire between the two-pin separated connectors and the red wire end between the three-pin connectors. Make sure the connectors are fully inserted with locking tabs in place (H).

## Step 4

Route the custom wiring harness end with the green wire to the passenger side behind the removed scuff panels. Repeat step 3 on the passenger side using the harness end with the green wire (I).

## Step 5

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 6

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

## Step 7

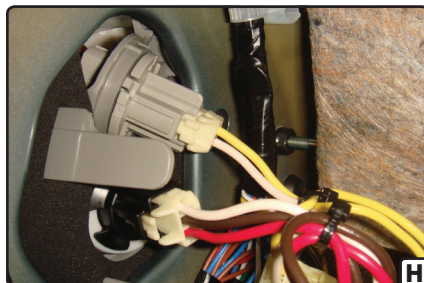
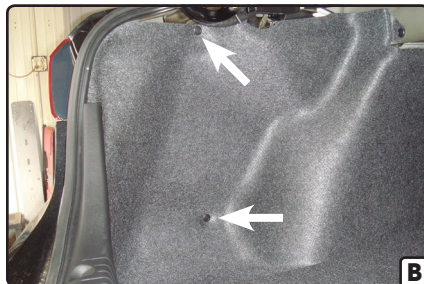
Locate a flat spot inside the vehicle, near the taillight. Adhere the black converter box using the provided double-sided tape.

## Step 8

When in use, route the 4-flat to the center of the vehicle and out of the trunk. When not in use, roll up and store in a convenient, out of the way location inside the trunk. Secure any loose wires with the provided cable ties.

## Step 9

Reinstall all items removed during install. Install the provided 4-flat dust cover to help prevent corrosion.





# TOYOTA FJ CRUISER INSTALL / SAFETY INSTRUCTIONS

## Step 1

Open the vehicle tailgate. Remove the jack storage compartment door on the driver side.

## Step 2

Remove the five screws securing the rear scuff panel. Using a trim panel removal tool, carefully pry the rear scuff panel away from the vehicle. Take care not to damage the alignment tabs on the back (A).

## Step 3

Starting on the driver side, remove the two Phillips screws connecting the trim panel to the vehicle floor. Remove the cargo clips and the access panels to gain access to the vehicle wiring. Repeat this step on the passenger side.

If the vehicle is equipped with an optional subwoofer unit, see the 'Subwoofer Removal' steps below. If the vehicle is not equipped with a subwoofer, skip to step 4.

### Subwoofer Removal

Using a trim panel removal tool, remove the access panel just below the Subwoofer unit. Carefully remove the front trim / grill assembly from the subwoofer unit. Take care not to damage the eight clips securing the trim.

Using a 10mm socket, remove the four 10mm bolts holding the subwoofer unit in place. Locate the vehicle wiring harness below the unit (B). Carefully pull the retainer clip from the bracket and disconnect the harness. Pull out the subwoofer unit and set aside.

Remove the access panel behind the passenger side taillight assembly to gain access to the vehicle wiring harness connectors. Continue to step 4 to complete installation.

## Step 4

Using a trim panel removal tool, carefully pull back the interior trim panels on both sides of the vehicle.

## Step 5

Starting on the driver side, locate the vehicle taillight wiring harness connectors. The connectors will be similar to those on the custom wiring harness. Route the custom wiring harness ends with red and yellow wires behind the trim panel up to the access panel location.

## Step 6


Insert the custom wiring harness end with yellow wire between the two-pin separated connectors and the red wire end between the three-pin connectors. Make sure the connectors are fully inserted with locking tabs in place (C).

## Step 7

Route the custom wiring harness end with the green wire to the passenger side. Repeat step 6 on the passenger side using the harness end with the green wire (D).

## 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

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

## Step 10

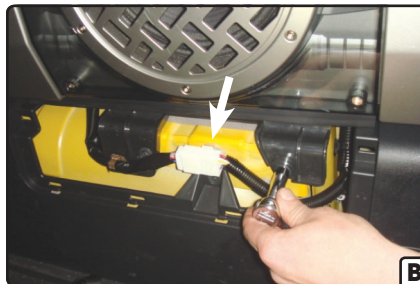
Locate a flat spot inside the vehicle, near the taillight. Adhere the black converter box using the provided double-sided tape.

## Step 11

When in use, route the 4-flat to the center of the vehicle and out of the trunk. When not in use, roll up and store in a convenient, out of the way location inside the trunk. Secure any loose wires with the provided cable ties.

## Step 12

Reinstall all items removed during install. Install the provided 4-flat dust cover to help prevent corrosion.



# POWERED CONVERTER LEAD INSTRUCTION SHEET

## FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

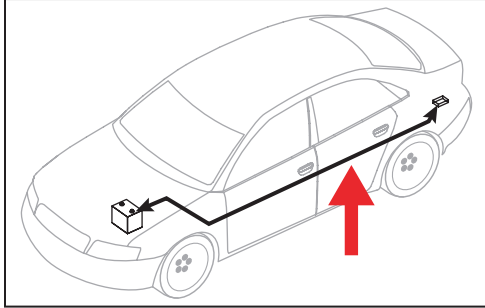
### HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

#### 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.

