

# INSTALLATION MANUAL

## Level of Difficulty

Easy

## Electrical Ratings

|                         |                   |
|-------------------------|-------------------|
| Signal circuits         | 5.5-amps per side |
| Tail / Running Circuits | 7.5-amps total    |

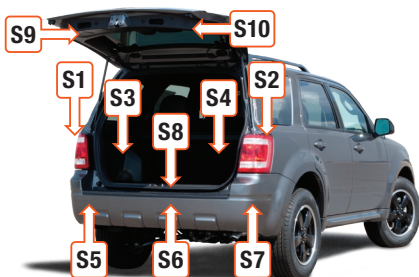
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

## 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          | Panel trim removal tool |
| Socket, 10mm     | Cutting tool            |
| Socket extension | Wire crimper            |
| Torx bit, T-45   | Wire stripper           |
| Electrical tape  | --                      |

## ⚠ WARNING

Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

The battery connection must be fuse-protected, 15-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire.

## 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.

## Product Registration and Warranty

CURT Group stands behind our products with industry-leading warranties.

Provide feedback and help us to improve our products by registering your purchase at:

**[warranty.curtgroup.com/surveys](http://warranty.curtgroup.com/surveys)**

### Step 1

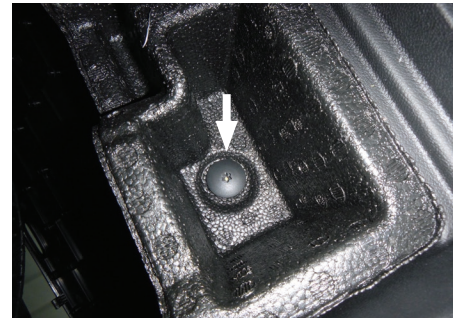
Locate the vehicle battery. Look up the battery location in the owner's manual of your vehicle. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.



### Step 2

Open the vehicle hatch. Remove all floor and rear cargo area coverings. Place the rear seats in the down position.

Using a T-45 Torx bit, remove the two fasteners securing the floor support and cargo bins. Remove the foam from the back of the vehicle and set off to the side.



### Step 3

Remove the fasteners securing the rear scuff panel. Remove the scuff panel by using a 10mm socket to remove the two cargo tie downs and pulling out on the bottom and then up. Take care not to damage the alignment tabs on the back.



### Step 4

Using a 10mm socket, remove the two cargo tie downs just behind the rear seats on the side walls. Use a panel trim removal tool to loosen the side wall plastic.

Repeat this step on the other side of the vehicle.



### Step 5

On the driver side, pull back on lower side wall to locate the vehicle taillight wiring connectors. The connectors will be similar to those on your new custom wiring product. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Insert the custom wiring harness end with the yellow wire between the separated connectors. Make sure the connectors are fully inserted with the locking tabs in place.

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### Step 6

Locate a flat clean surface that is out of the path of spray and debris from the rear wheels and road. Adhere the black converter box using the provided double-sided tape. Failure to mount the box in a protected area can cause loss of warranty, product failure, overheating and potential fire.

Locate a grounding point near the box 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

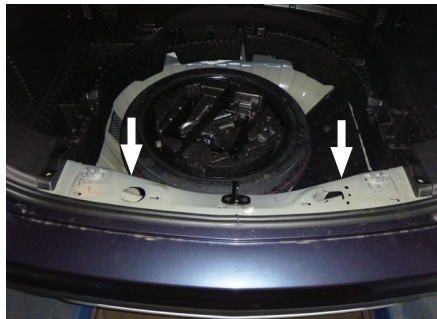
Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and/or personal injury

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### Step 7

Route the custom wiring end with the green wire to the passenger side behind the removed scuff panels.

Repeat steps 5 on the passenger side using the wiring end with the green wire. Secure any loose wires with the provided cable ties.



### Step 8

Route the black power wire from the vehicle battery as shown on the last page of this manual.

#### **NOTICE**

Once the 12 volt power wire is connected to the harness verify that the harness is functioning by attaching the battery and testing with a test light, 4-flat tester, or a functioning trailer.

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.

Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.

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# POWERED CONVERTER LEAD INSTRUCTION SHEET

## FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

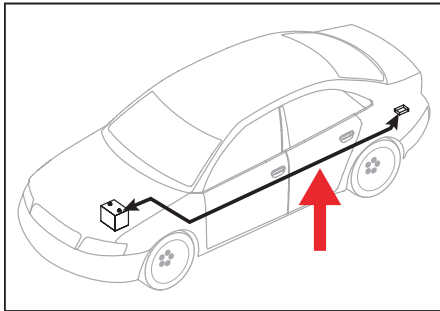
## HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

### 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.

