

INSTALLATION INSTRUCTIONS

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

APPLICATIONS

Make	Model
Kia	Sorento EX 2.0L 4cyl
Kia	Sorento Limited 2.0L 4cyl

WIRING LOCATION GUIDE

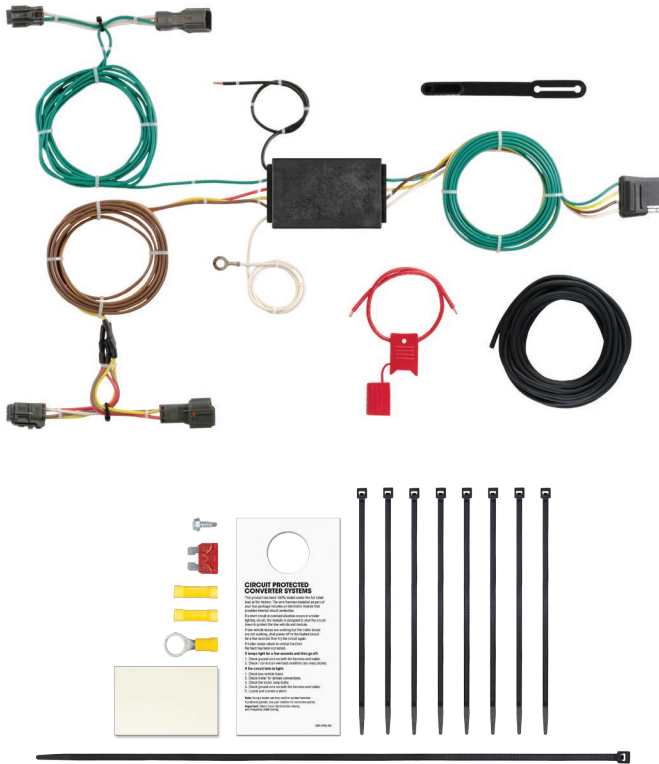
SUVs, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

S1 - Behind driver side taillight housing

S2 - Behind passenger side taillight housing

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

- | | |
|-------------------------|-----------------|
| Ratchet | Wire stripper |
| 10mm socket | Wire crimper |
| Phillips screwdriver | Cutting tool |
| Panel trim removal tool | Grommet sealant |

⚠ 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.

INSTALLATION / SAFETY INSTRUCTIONS

Step 1

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

Step 2

Open the vehicle tailgate. Remove all trunk floor coverings and storage trays (B,C,D).

Step 3

Remove the Phillips screws securing the scuff panel (E). Remove the scuff panel by pulling out on the bottom and then up taking care not to damage the alignment tabs on the back.

Step 4

Starting on the driver side, remove the Phillips screws from the side trim panel (F). Pull back on the side trim panel to locate the grommet in the floor pan (G).

Step 5

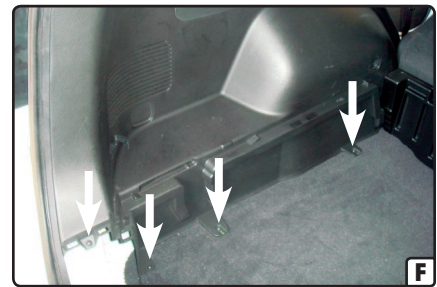
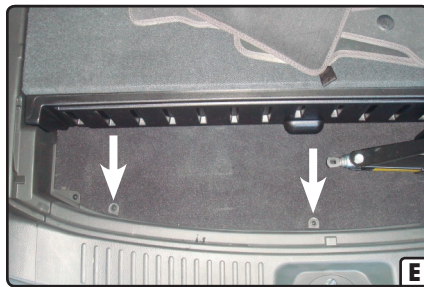
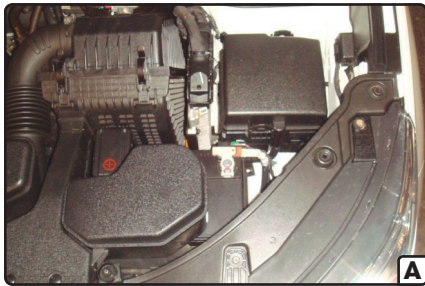
On the driver side, under the vehicle, locate the panel behind the tire. Remove the fasteners securing it in place (H). Remove the panel to gain access to route the custom wiring harness.

Note: If a harness is routed through the grommet in the floor pan, follow the wires to the connectors and separate them, taking care not to damage the locking tabs (I).

Step 6

From inside the vehicle, remove the grommet and pull up on the vehicle wiring harness. Pull until the disconnected connector under the vehicle and the grommet are located inside behind the side trim panel.

Instructions continued on the page 3



INSTALLATION / SAFETY INSTRUCTIONS

Step 7

Remove the two 10mm screws securing the taillight housing (J).

Note: Depending on the trim level of the vehicle, you may need to locate the two nuts on the inside of the vehicle behind the side trim panel to remove the taillight (K). Loosen the taillight by gently pulling rearward and out. Behind the taillight housing is the connection for the taillight wiring harness (L). Separate the connector from the taillight housing taking care not to damage the locking tabs. Set the taillight aside.

Step 8

From inside the vehicle route all wiring harness wires, except the 4-flat, through the exposed hole. Using a piece of wire (not included) route the custom wiring harness end with yellow wire up behind the side trim panel and out of the hole below the taillight (M).


Step 9

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

Step 10

Modify the grommet that was removed from the floor pan in step 7. Taking care not to cut any wires, remove the grommet from the vehicle wiring harness. Using electrical tape, take the grommet and place it on the wiring harness wires and black power wire passing through the hole in the floor pan.

Use a cable tie to help fasten the grommet around the wires (O). Seat the grommet in the floor pan. Use a sealant (not included) to seal grommet where the wires pass through and where grommet was cut.

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

Step 11

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.

Step 12

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

Step 13

Route the custom wiring harness end with the green wire to the passenger side along the backside of the bumper. Using a piece of wire (not included) route the wiring harness end with green wire up behind the side trim panel and out of the hole below the taillight. Repeat steps 7-9 on the passenger side using the harness end with the green wire.

Step 14

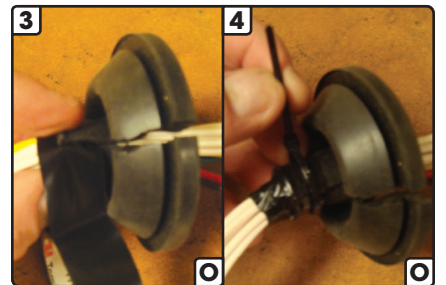
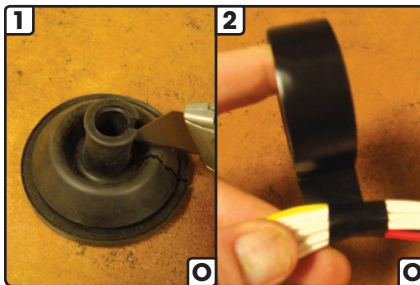
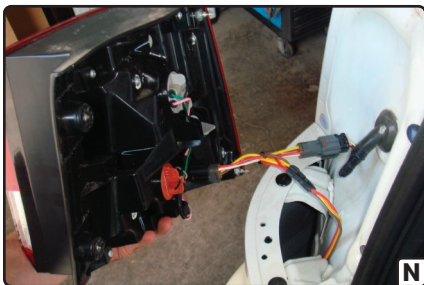
Route the black power wire from the vehicle battery as shown on the included CME-PCL-INS sheet.

Step 15

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

Step 16

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

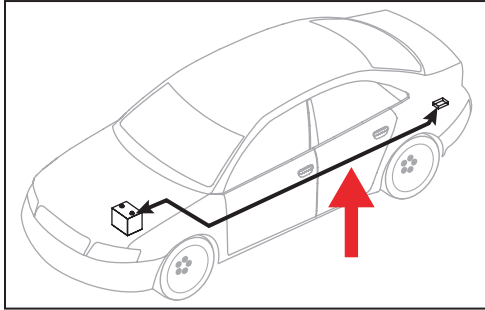
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

