

INSTALLATION MANUAL

Level of Difficulty

Easy

Electrical Ratings

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(s)

P1 and P2, S1 and S2

Wiring Location Guide* for SUVs and Vans (S)

S1 Behind driver side taillight housing

S2 Behind passenger side taillight housing



* Representative vehicle shown

Wiring Location Guide* for Passenger Cars (P)

P1 Behind driver side taillight housing, outside of trunk

P2 Behind passenger side taillight housing, outside of trunk



* Representative vehicle shown

Tools Required

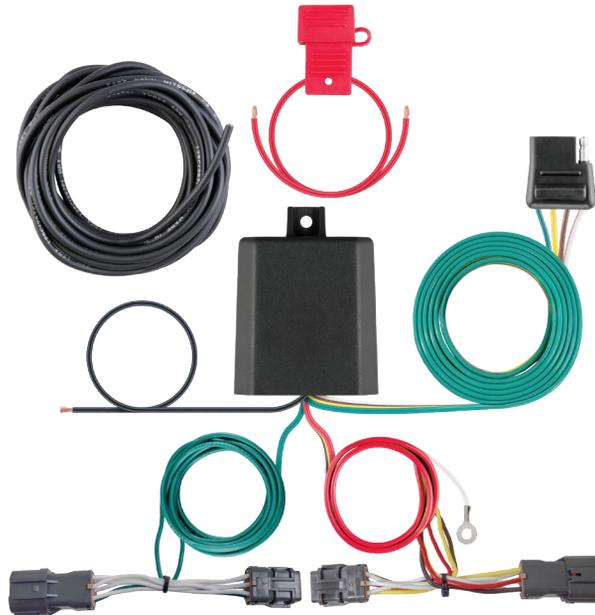
Ratchet	Flathead screwdriver
Socket, 10mm	Utility knife
Socket extension	Wire crimper
Electrical tape	Wire stripper
Phillips screwdriver	Panel removal tool

⚠ WARNING

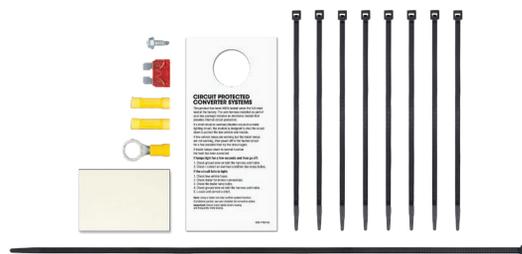
Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

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



Hardware 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.

Product Registration and Warranty

CURT stands behind our products with industry-leading warranties. To get copies of the product warranties, register your purchase or provide feedback, visit: warranty.curtgroup.com/surveys

Step 1A: Hyundai Entourage & Kia Sedona

Locate the vehicle's battery and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the insulation process.

⚠ WARNING

Do not lay tools on the positive (+) battery terminal. This can cause a short in the system, sparks and / or electrical shocks.

Step 2A: Hyundai Entourage & Kia Sedona

Open the vehicle hatch. Starting on the driver side, use a Philips screwdriver remove the three screws securing the taillight assembly.

Pull the taillight straight back. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Set the taillight aside.

Repeat this step on the passenger side.



Step 3A: Hyundai Entourage & Kia Sedona

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

Route the custom wiring end with the green wire and 4-way flat down between the body and the bumper cover.



Step 4A: Hyundai Entourage & Kia Sedona

Route the 4-flat along the backside of the bumper to the center of the vehicle and mount it close to the trailer hitch. Route the green wire along the backside of the bumper to the passenger side using a fishwire. Secure any loose wires with the provided cable ties.

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

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.

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.

Your installation is now complete.

Step 1B: Hyundai Tucson

Locate the vehicle's battery and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the insulation process.

⚠ WARNING

Do not lay tools on the positive (+) battery terminal. This can cause a short in the system, sparks and / or electrical shocks.



Step 2B: Hyundai Tucson

Open the vehicle hatch.

Using the trim removal tool to release a small tab in the taillight trim cover. Set the cover aside.

Use a 10mm socket to remove the taillight fasteners securing the taillight in place.



Step 3B: Hyundai Tucson

Pull the taillight straight back. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Set the taillight aside.

Use the trim panel removal tool to remove the two push fasteners in the bumper cover. Run a fishwire down between the body of the vehicle and the bumper cover.

Repeat Steps 2 and 3 on the passenger side.



Step 4B: Hyundai Tucson

From under the vehicle on the driver side, use the trim panel removal tool to remove three push fasteners, two on the bottom and one in the rear wheel well.

Remove this panel by pulling it straight downward.

Repeat this step on the passenger side.



Step 5B: Hyundai Tucson

From the driver side, attach the custom wiring end with yellow wire to the fishwire and pull the harness up between the body and the bumper cover. **Note:** You may need to flex the bumper cover to get the housings through the opening.

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



Step 6B: Hyundai Tucson

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 7B: Hyundai Tucson

Route the green wire along the backside of the bumper to the passenger side. Secure any loose wires with the provided cable ties.

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

Route the black power wire from the vehicle battery as shown on the 'Powered Converter Lead' sheet at the end of this manual.

NOTICE

Once 12-volt power wire is connected to the harness, verify that the harness is functioning using a test light, 4-flat tester or a functioning trailer.

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.

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.

Your installation is now complete.



Step 1C: Hyundai Veloster

Locate the vehicle's battery and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the insulation process.

⚠ WARNING

Do not to lay tools on the positive (+) battery terminal. This can cause a short in the system, sparks and / or electrical shocks.

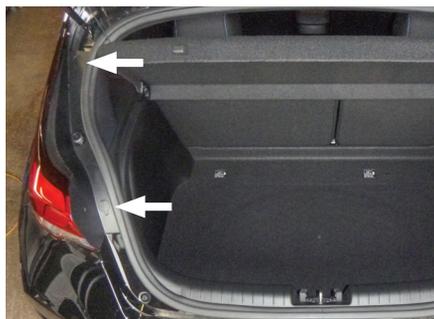


Step 2C: Hyundai Veloster

Open the vehicle trunk. Starting on the driver side, use a flathead screwdriver to open the access covers for the taillight mounting screws.

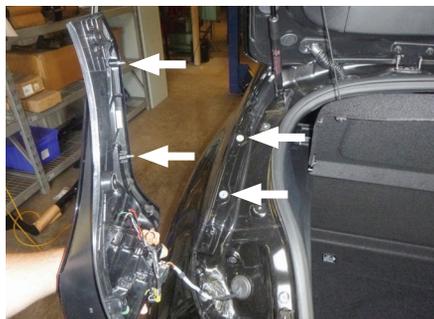
Use a Phillips screwdriver to remove three screws securing the taillight in place, two under the removed access caps and one in the rubber bumper.

Repeat this step on the passenger side.



Step 3C: Hyundai Veloster

Remove the taillights by pulling them straight back and up. Separate the connectors from the taillight housings taking care not to damage the locking tabs. Set the taillights aside.



Step 4C: Hyundai Veloster

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

Step 5C: Hyundai Veloster

Attach the custom wiring end with the green wire and 4-flat to the fishwire and pull the harness down inside the bumper to the under body of the vehicle. From under the vehicle route over to the center of the vehicle. Secure any loose wires with the provided cable ties.

Continue routing the wiring to the passenger side of the vehicle and up to the taillight.

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



Step 6C: Hyundai Veloster

Route the black power wire from the vehicle battery as shown on the 'Powered Converter Lead' sheet at the end of this manual.

NOTICE

Once 12-volt power wire is connected to the harness, verify that the harness is functioning using a test light, 4-flat tester or a functioning trailer.

Step 7C: Hyundai Veloster

Locate a flat spot between the body of the vehicle and the bumper cover just below the taillight. Adhere the black converter box using the provided double-sided tape.

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 8C: Hyundai Veloster

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. 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.

Your installation is now complete.

Step 1D: Kia Seltos

Locate the vehicle's battery and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the insulation process.

⚠ WARNING

Do not lay tools on the positive (+) battery terminal. This can cause a short in the system, sparks and / or electrical shocks.



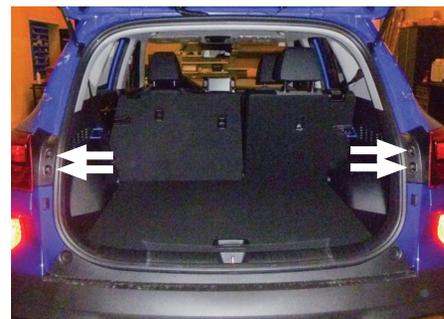
Step 2D: Kia Seltos

Open the vehicle hatch. Starting on the driver side, use a Philips screwdriver to remove the two screws securing the taillight.

Remove the taillights by pulling straight back. Separate the connectors from the taillight housings taking care not to damage the locking tabs. Set the taillights aside.

Remove the two push fasteners as shown.

Repeat this step on the passenger side.



Step 3D: Kia Seltos

Route the fishwire down between the body and bumper cover. From underneath of the vehicle locate the connector with the yellow wire.

Pull the harness up to the taillight and insert the custom wiring end with yellow wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.



Step 4D: Kia Seltos

Route the 4-flat along the backside of the bumper to the center of the vehicle and mount it close to the trailer hitch.

Route the green wire along the backside of the bumper to the passenger side. Use a trim removal tool to remove the two push fasteners. This will allow you to locate the fishwire. Secure any loose wires with the provided cable ties.

Locate a flat spot between the body of the vehicle and the bumper cover just below the taillight. Adhere the black converter box using the provided double-sided tape.



Step 5D: Kia Seltos

Route the fishwire down between the vehicle body and bumper cover. From underneath the vehicle locate the connector with the green wire. Pull the harness up to the taillight. 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 on the passenger side.

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.

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.

Your installation is now complete.

Step 1E: Kia Soul

Locate the vehicle's battery and disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery while completing the insulation process.

WARNING

Do not lay tools on the positive (+) battery terminal. This can cause a short in the system, sparks and / or electrical shocks.



Step 2E: Kia Soul

Open the vehicle hatch. Starting on the driver side, use a Philips screwdriver to remove the three screws as shown.

Remove the taillight by pulling straight back. Separate the connectors from the taillight housings taking care not to damage the locking tabs. Set the taillights aside.

Repeat this step on the passenger side.



Step 3E: Kia Soul

Use a Philips screwdriver to remove the push fastener in the bumper cover. This allows for more room while fishwiring the custom wiring housing up to the taillight.

Route the fishwire down between the body and bumper cover. From underneath of the vehicle locate the connector with the yellow wire.

Pull the harness up to the taillight and insert the custom wiring end with yellow wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.



Step 4E: Kia Soul

Route the 4-flat along the backside of the bumper to the center of the vehicle and mount it close to the trailer hitch.

Route the green wire along the backside of the bumper to the passenger side. Secure any loose wires with the provided cable ties.

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 on the passenger side.

Step 5E: Kia Soul

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.

Route the black power wire from the vehicle battery as shown on the 'Powered Converter Lead' sheet at the end of this manual.

NOTICE

Once 12-volt power wire is connected to the harness, verify that the harness is functioning using a test light, 4-flat tester or a functioning trailer.

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.

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.

Your installation is now complete.

POWERED CONVERTER LEAD INSTRUCTION SHEET

FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

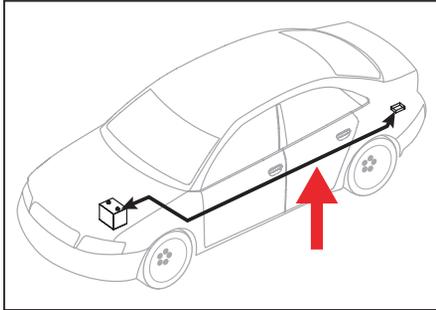
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

