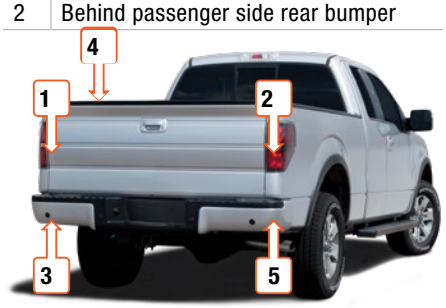
INSTALLATION MANUAL

⚠ 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.
Be sure to not lay tools across the positive battery terminal (typically noted with red covers or a red '+' symbol). This can cause a ground to short causing sparks and / or electrical shocks.

Electrical Ratings	
Signal circuits	5.0-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 Guide* for Trucks (T)	
1	Behind driver side taillight housing
2	Behind passenger side taillight housing
3	Behind driver side rear bumper
4	Inside Bed, Round Grommet
2	Behind passenger side rear bumper



* Representative vehicle shown

Tools Required	
Ratchet	Wire crimper
Socket, 8 & 10 mm	Wire stripper
Socket extension	Electrical tape
Cutting tool	--

100-240 Kit

These instructions are generic and your vehicle may be different.

Test all connections with a meter before connecting.

NOTICE
Before you begin installation, read all instructions thoroughly.
Proper planing & 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

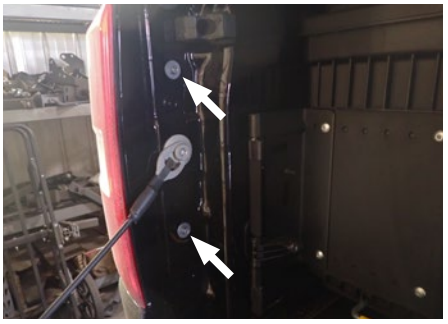
Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

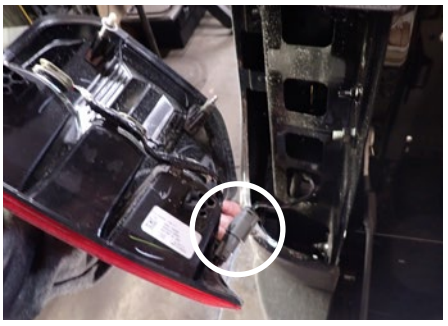
Step 1

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

Step 2

Open the rear tailgate and locate the two screws holding the taillight in place. Using an 8mm socket, remove the two screws. Carefully remove the taillight by pulling out a 45 degree angle from the side and rear of the truck. Separate the connectors from the taillight housing, taking care not to damage the locking tabs. Set the taillight aside and repeat the process on the opposite side.





How to Fishwire

A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

Insert the fish wire through the blind hole and locate it on the other side.

B) Use tape to secure the harness to the fish wire and pull back up.

The fish wire or harness may get hung up on something, if this happens you may have to push back down, wiggle it around or twist the wire to loosen it from what it's hung up on.

Fish wire could be anything from a cut-up wire hanger, stiff wire, rope or string depending on what is needed for the installation.

Step 3

D0 NOT CONNECT TO THE BATTERY.
Route the RED battery extension lead from the battery location under the hood down the drivers side of the vehicle to the left rear taillight cavity. Be sure to not interfere with any moving or operating parts on the vehicle. Secure the wire to the frame using wire ties.

When reaching the left rear use a fish tape to bring the battery wire into the taillight cavity between the body and inner panel.

Step 4

The module will be located in the Left tail light housing cavilty. locate a position for the module that will not interfere with replacing the taillight.

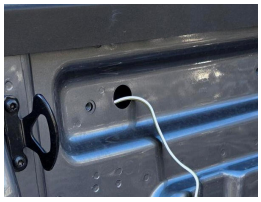
Route the green wire to the passenger side of the vehicle under & along the vehicle rear bumper up into the right taillight housing. secure the wire as needed.

Step 5

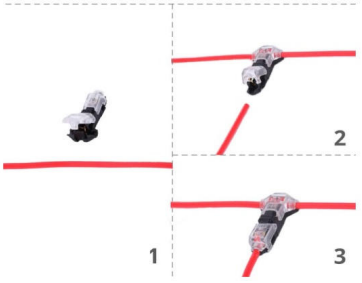
On The drivers side, mount the control box to the inner wall as show using the double sided tape and wire ties that are supplied.

Route the CHMSL wire through the bed and out of the hole shown. Remove the grommet, cut a hole in the grommet, run the wire through and replace the grommet. Route the wire to the connection on the top.

Remove the 10MM bolt shown, attach the white ground wire, and re-tighten the bolt



Use the supplied T-Taps to connect to the vehicle taillight wires



1: Insert the wire from the taillight harness into the T-Tap as shown. Use plyers to secure the locking cover. Do not press to hard or you will damage the T-Tap.
2: Insert the wire from the module into the other end. Be sure to route the wire through the wire guide and completely into the T-Tap. The secure the locking cover.

On the passenger side (right) connect the Green wire from the module to the Grey/Violet wire in the vehicle tail light connector using the supplied 3 way T-Tap.

On the drivers side (left) connect the yellow wire from the module to the White/Green wire in the vehicle tail light connector using the supplied 3 way T-Tap.

NOTE: **The Green and Yellow wires must be connected to the +12V Taillight wire that supplies the Brake signal .** OEM wire colors can change, at the time this manual was written the information was verified. If your device does not work properly use a meter to verify that the wire you are connected to is the correct wire.

Step 6

Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal.

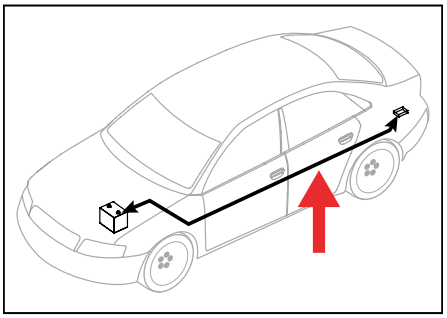
POWERED CONVERTER LEAD INSTRUCTION SHEET
FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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 16 GA wire to vehicle battery location, taking care to avoid any pinch points and hot or rotating components.

Acheminer le câble de calibre 16 à la batterie du véhicule en prenant soin d'éviter les points de pincement et les éléments chauds ou pivotants.

Pase el cable calibre 16 hacia la ubicación de la batería del vehículo, con cuidado de evitar atascos y componentes calientes o giratorios.

WARNING
AVERTISSEMENT / ADVERTENCIA

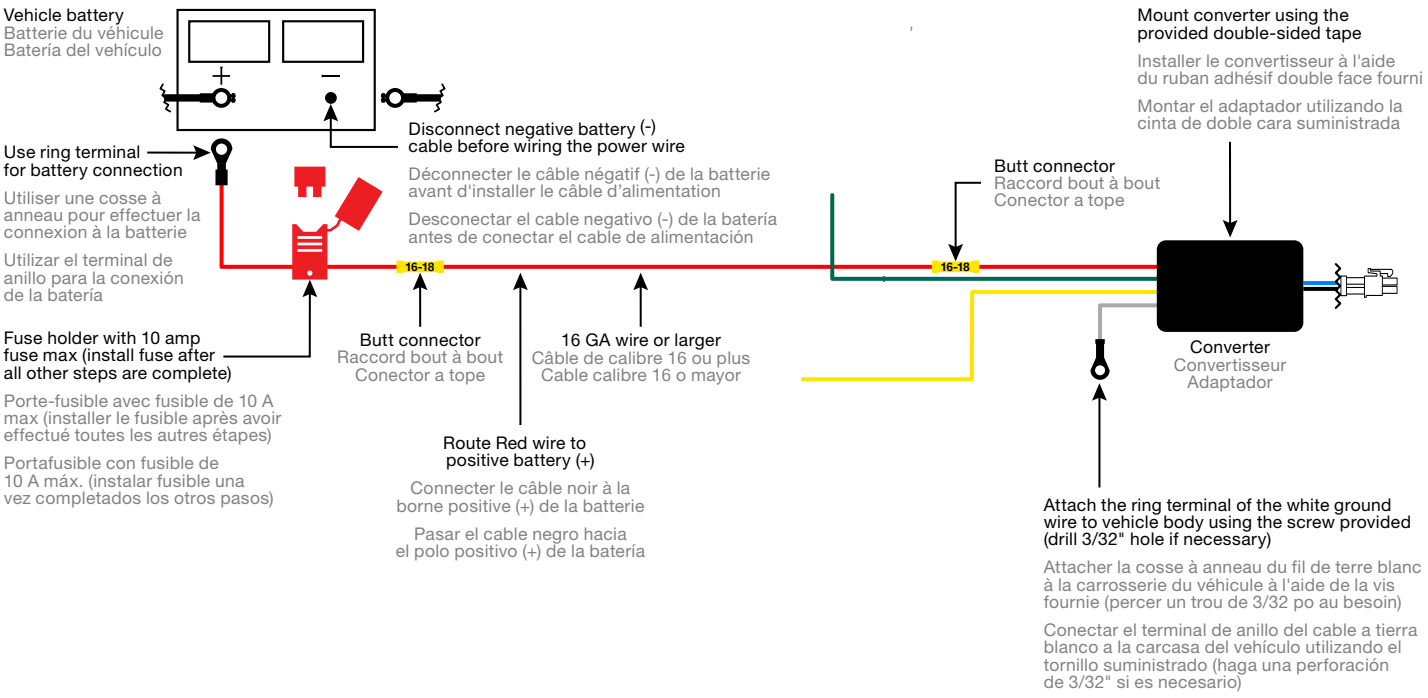
To avoid personal injury or property damage, check for miscellaneous items that may be behind or under any surface before drilling.

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 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.