

Level of Difficulty

Difficult

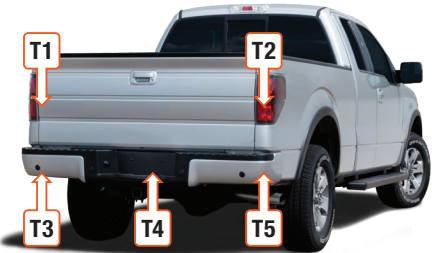
Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Wiring Location(s)

T1 and T2

Wiring Location Guide*
for Trucks (T)

T1	Behind driver side taillight housing
T2	Behind passenger side taillight housing
T3	Behind driver side rear bumper
T4	Behind center of rear bumper fascia
T5	Behind passenger side rear bumper



* Representative vehicle shown

Tools Required

Ratchet	Phillips screwdriver
Extension, 6"	Flat head screwdriver
Torx T-25	Fish wire
Drill	Wire cutters
Test light	Trim panel tool
Drill bit, 3/32"	Wire crimpers

⚠ WARNING

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

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

The battery connection must be fuse-protected.

Product 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

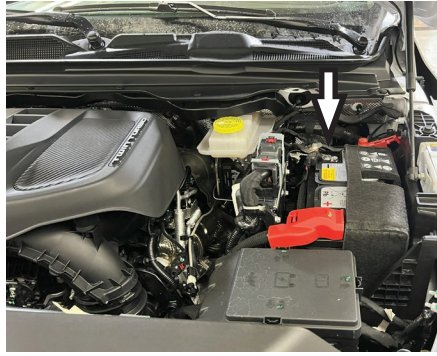
Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

Step 1

Open hood. Locate the vehicle negative battery post. Disconnect the negative battery post and ensure negative battery cable is isolated to protect from creating an electrical system ground.

⚠ CAUTION

Grounding of the negative cable to a metal item could cause damage to the vehicles electrical system.



Step 2

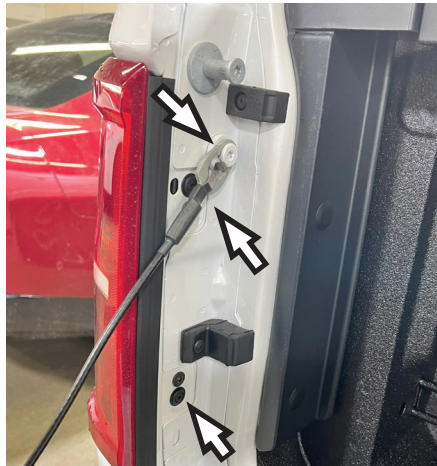
Open tailgate. Lift tailgate on the driver's side and temporarily unhook the tailgate support cable. Locate the (2) plastic OE retaining pins for the taillight. Using a trim panel tool, carefully remove OEM plastic retaining pins on both driver's and passenger's side taillight assemblies. Masking tape can be used to prevent marring the vehicle's paint.

Note: one pin is behind the tail gate support cable

Note: OE Retaining pins are only intended as a one time use. New pins will be provided for re-installation. See step 6 for reassembly.

⚠ CAUTION

Reconnect tail gate support cable to prevent tail gate damage when removing the passenger's side taillight.



Step 3

Locate the (2) taillight retaining screws. Using a T-25 Torx bit, remove both screws. Pull the taillight straight rearward. Disconnect the taillight wiring connector from the taillight housing and set taillight aside.



Step 4

Repeat steps 2 and 3 for the passenger's side taillight removal.

Step 5

On the passenger's side, route the connector with the green wire along the bumper to the taillight pocket. When routing green wire, take care not to route green wire in an area that might pinch or break the wire. Using a fish wire, pull the connector with the green wire up into the taillight pocket.

Step 6

Connect the lighting harness connector with the green wire to the vehicle connector. Reconnect the taillight to the light modules mating connector. Push the taillight forward into the taillight pocket, being careful not to damage any pins or mounting tabs on the taillight assembly. Reinstall the taillight mounting screws using a T-25 Torx socket.



Step 7

Repeat steps 5 and 6 for yellow wire installation.

Step 8

Locate a grounding point 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



Step 9

On the driver's side, route the 4-way flat forward following the frame to the front of vehicle. When routing the 4-way, ensure the harness is not being routed to areas that might pinch, break or cut the wire. The resulting damage could cause a harness failure.

Step 10

Route the 4-way harness along the driver-side inner fender between the fuse box and the headlight. Ensure when routing harness to avoid any areas that can cut or break the 4-way harness wires. Mount the 4-way harness using supplied cable ties.



Step 11

Remove driver's side headlight/radiator plastic cover using a trim panel tool. Remove the plastic securing pins and set panel aside. Route 4-way harness through an opening behind the headlight and down behind the inner grill area. Locate an exit point close to the grill or bumper area.

Step 12

Secure the 4-way flat harness into the bracket.

Step 13

Using the supplied cable ties, secure the harness to the vehicle.

NOTICE

Once the RV harness has been installed verify the harness is functioning by using a test light, multimeter, or attaching the 4-way flat to tow vehicle.

Step 14

Install the provided plastic taillight mounting pins from the hardware kit (existing pins removed in step 2) on both taillight assemblies. Reinstall any items removed during the installation of the harness.

POWERED CONVERTER LEAD INSTRUCTION SHEET

FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

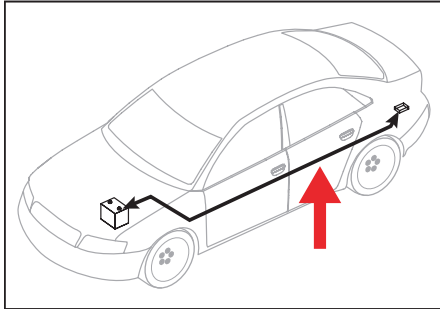
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

