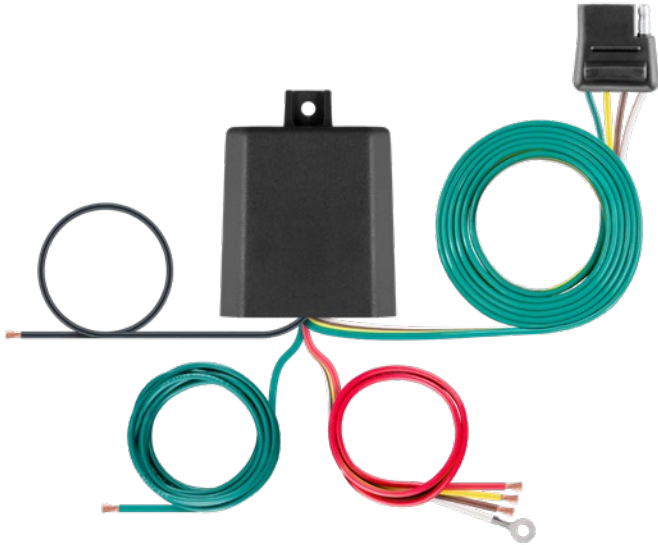


INSTALLATION INSTRUCTIONS

⚠ ALL STEPS MUST BE FOLLOWED TO ENSURE PROPER FUNCTION OF THE TAILLIGHT CONVERTER

TAILLIGHT CONVERTER



TESTING PROCEDURE

If testing with a test light, attach the ground lead of the tester to the exposed ground terminal of the 4-flat end. Activate the tow vehicle left turn, right turn, tail and brake lights one at a time. Probe the three receptacles of the 4-flat end to confirm proper functionality.

If testing with a trailer, mate the 4-flat with the trailer and run the same test as the circuit tester using the trailer lights. If a function on the trailer lights does not work properly, disconnect the trailer 4-flat, turn functions on the vehicle off and recheck function with a circuit tester. If functionality is good, check the trailer for potential problems.

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's lamp load rating, whichever is lower.

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

Signal Circuits - 3.0 amps per side

Tail / Running Circuits - 6.0 amps total

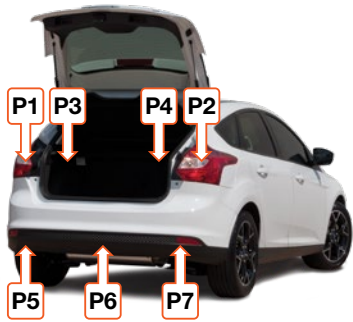
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

WIRING LOCATION GUIDE

Representative vehicles shown below - DS, driver side / PS, passenger side

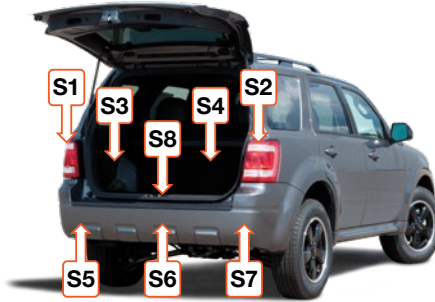
PASSENGER CARS (P)

- P1 - Behind DS taillight housing, outside of trunk
- P2 - Behind PS taillight housing, outside of trunk
- P3 - Behind DS taillight housing, inside of trunk
- P4 - Behind PS taillight housing, inside of trunk
- P5 - Behind DS rear bumper
- P6 - Behind center of rear bumper
- P7 - Behind PS rear bumper



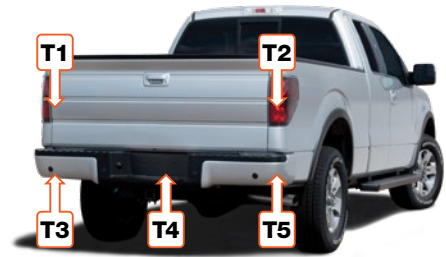
SUVS, MINI & FULL-SIZED VANS (S)

- S1 - Behind DS taillight housing
- S2 - Behind PS taillight housing
- S3 - Behind DS rear access panel
- S4 - Behind PS rear access panel
- S5 - Behind DS rear bumper
- S6 - Behind center of rear bumper
- S7 - Behind PS rear bumper
- S8 - Under rear floor panel



PICKUP TRUCKS (T)

- T1 - Behind DS taillight housing
- T2 - Behind PS taillight housing
- T3 - Behind DS rear bumper
- T4 - Behind center of rear bumper fascia
- T5 - Behind PS rear bumper



HOW TO DETERMINE VEHICLE WIRING TYPES

First, determine which wires will not be used for installation. With the vehicle running, check to ensure all lights are off at the back of the vehicle. With all vehicle lights off, probe the taillight connectors while they are still connected to the vehicle.

If using a multimeter:

Ensure the meter is in the DC volt setting. Any wires carrying less than two volts will not be used to determine vehicle wiring type and will not be used by the taillight converter.

If using a test light:

Any wires that illuminate the bulb, dim or fully, will be used to determine vehicle wire type and will not be used by the taillight converter.

Vehicle wiring type and function signal location in the housing can now be determined by activating each light's circuit, one at a time, and probing the remaining wires. Follow the chart below.

Vehicle Wiring Type	Wiring Description	Wire Probing Voltage on Vehicle Wires			
		Only PS signal activated	Only brakes depressed	Only DS signal activated	Only tail lamps activated
Two-wire	Combined stop and turn signal with an independent tail signal	Flashing signal on PS	Signal on both sides - same wire as turn signal	Flashing signal on DS	Signal on tail
Three-wire	Independent stop, turn and tail turn signals	Flashing signal on PS	Signal on stop wire on both sides	Flashing signal on DS	Signal on tail

INSTALLATION

Step 1

Locate vehicle taillight wiring. Refer to the wiring location guide on the second page.

Step 2

Identify the wiring type of your vehicle using the 'How to Determine Vehicle Wiring Types' instructions on page two.

Step 3

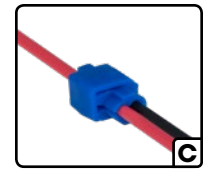
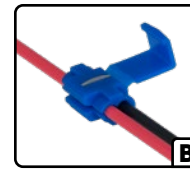
Locate vehicle battery and disconnect the negative battery terminal.

Step 4

Using snap locks, attach the input wires of the taillight converter to the corresponding vehicle harness wires identified in Step 2 using the 'Wiring Installation' table below. Refer to photos A, B and C to install the snap locks.

Step 5

Locate a flat spot near the taillight. Adhere the black converter box using the provided double-sided tape and secure it with the included cable ties.



Step 6

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.

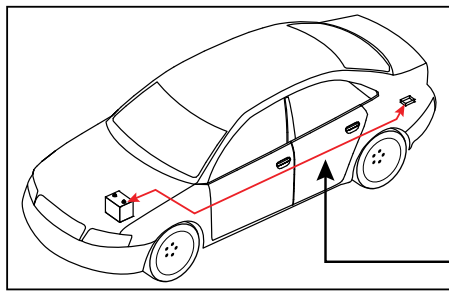
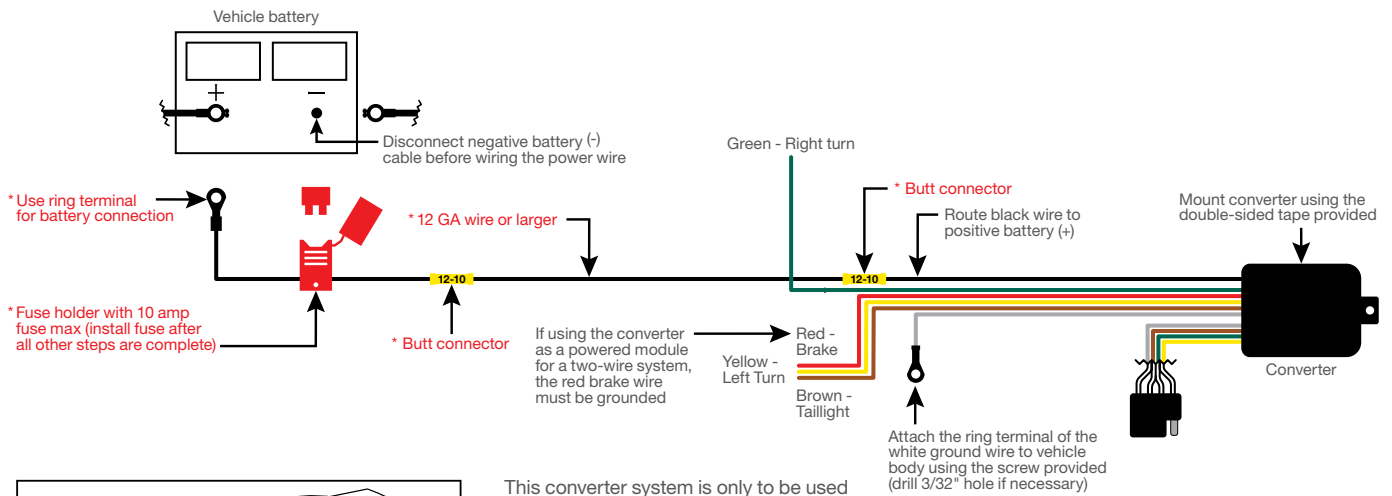
Step 7

Secure any loose wires with the provided cable ties. Reinstall all items removed during install and reconnect negative battery terminal. When in use, route the 4-flat to the center of the vehicle. When not in use secure in a convenient out of the way location.

WIRING INSTALLATION

Vehicle Wiring Type	Green Wire	Red Wire	Yellow Wire	Brown Wire
Two-wire	Splice to right stop / turn wire	Ground with white wire	Splice to left stop / turn wire	Splice to tail wire
Three-wire	Splice to right turn wire	Splice to stop wire	Splice to left turn wire	Splice to tail wire

CONVERTER WIRING DIAGRAM



Route 12 GA wire to vehicle battery location, taking care to avoid any pinch points and hot or rotating components.

ATTENTION!

Not Included:

- * 12 gauge wire
- * 10 amp fuse max
- * Yellow fuse holder
- * Butt connectors
- * Ring terminal

Items can be purchased as a kit, CURT part# 55151, sold separately

POWERED CONVERTER LEAD INSTRUCTION SHEET

FICHE DE CONSIGNES DU CONVERTISSEUR D'ALIMENTATION

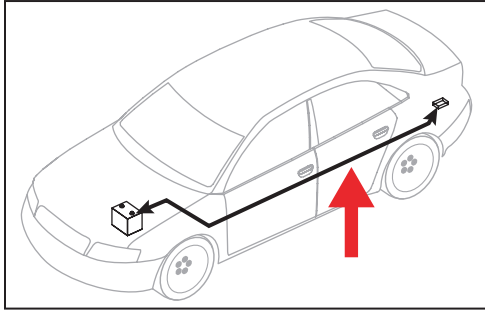
HOJA DE INSTRUCCIONES DEL CONDUCTOR DEL ADAPTADOR ALIMENTADO POR BATERÍA

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.

