

INSTALLATION MANUAL

Level of Difficulty

Moderate

Electrical Ratings

Signal circuits	3.0-amps per side
Tail / Running Circuits	6.0-amps total

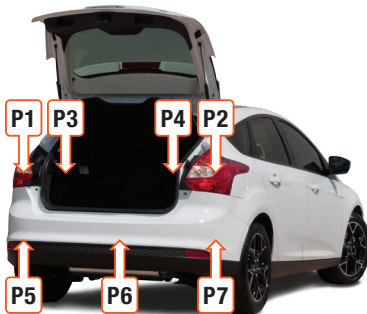
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

P3 and P5 and P6

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
P3	Behind driver side taillight housing, inside of trunk
P4	Behind passenger side taillight housing, inside of trunk
P5	Behind driver side rear bumper
P6	Behind center of rear bumper
P7	Behind passenger side rear bumper



* Representative vehicle shown

Tools Required

Ratchet	Cutting tool
Socket, 10mm	Wire crimper
Socket extension	Wire stripper
Small flathead screwdriver	Electrical tape
Panel trim 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.

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

Locate the vehicle battery. Look up the battery location in the owner's manual of your vehicle. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.



Step 2

Open the trunk. Remove all trunk floor coverings and filler panels. Locate the lift points for the foam fillers. Just behind the rear seats there is a push fastener in the center of the trunk (plastic filler). Remove this push fastener and remove the filler.



Step 3

Remove the two 10mm cargo hold down bolts. In the vehicle threshold, use a panel trim removal tool to loosen the push fasteners in the threshold and remove upward.



Step 4

On both sides of the trunk hatch is a sidewall fastener cover. Use a small flathead screwdriver to remove this cover. Remove this fastener with a 10mm socket.

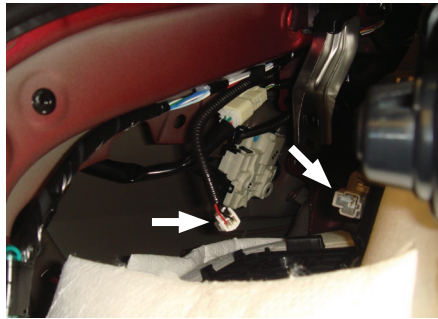
Repeat on the other side of the vehicle



Step 5

Starting on the driver side, use a panel trim removal tool to loosen the sidewall panel and felt liner. Pull back on the felt liner to locate the vehicle taillight wiring connectors. The connectors will be similar to those on your new custom wiring product. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Remove the side trunk liner.



Step 6

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.

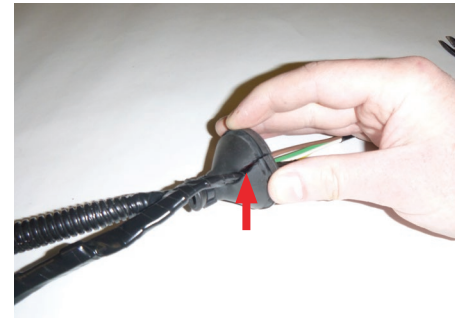
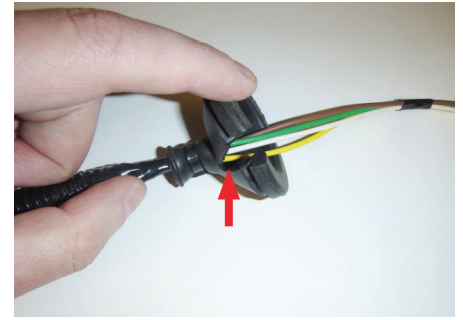
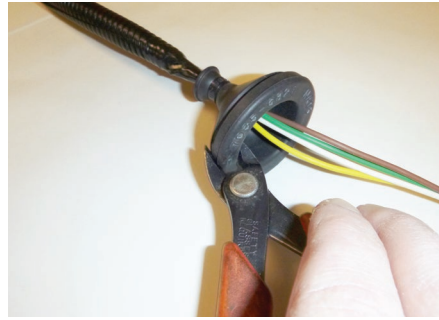
Repeat step 5 on the passenger side. Route the harness end with the green wire to the passenger side along the rear of the vehicle. Zip tie as needed under the threshold. Install the custom wiring harness end with the green wire between the separated connectors.

Step 7

Locate the grommet, just to the driver side of the center of the vehicle in the rear body.

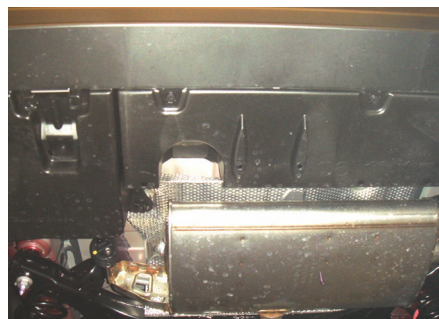
Remove the grommet from the body of the vehicle. Using a wire cutter, make a cut into the grommet big enough to allow the wiring to be placed inside the mounting groove of the grommet. Be careful not to cut any wires.

Reseat the grommet. Use the provided sealant to seal the cut in the grommet and around all the wires. Apply additional sealant as needed once the grommet has been reseated to ensure a tight seal. This will keep the trunk dry and exhaust out of the vehicle.



Step 8

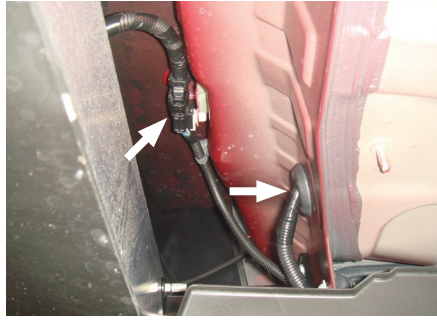
From under the vehicle remove the fasteners in the access panel to the underside of the vehicle and remove the panel.



Step 9

Locate the custom wiring harness from the grommet opening. Locate the vehicle harness that looks similar to those on the custom wiring harness. Separate the connector from the trunk light before pulling the side trunk liner all of the way out. Take care not to damage the alignment tabs on the back.

Install the custom wiring harness between the separated connectors.



Step 11

On the driver side, locate a flat spot inside the vehicle, near the taillight. 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.

Locate a grounding point near the box 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 13

Route the black power wire from the vehicle battery as shown on the last page of this manual.

NOTICE

Once the 12 volt power wire is connected to the harness verify that the harness is functioning by attaching the battery and testing with a test light, 4-flat tester, or a functioning trailer.

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 inside the trunk. 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.

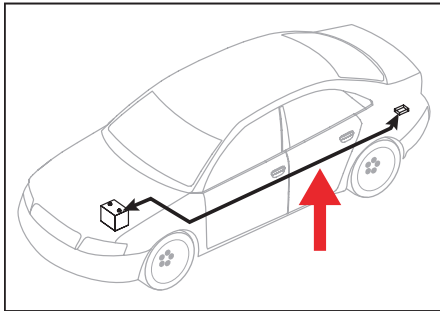
POWERED CONVERTER LEAD INSTRUCTION SHEET

NOTICE

Illustrations are for reference only. Battery location may differ depending on the vehicle.

WARNING

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



NOTICE

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.

WARNING AVERTISSEMENT / ADVERTENCIA

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

Vehicle battery

