

INSTALLATION MANUAL

Level of Difficulty

Easy

Electrical Ratings

Signal circuits	5.0-amps per side
Tail / Running Circuits	7.5-amps total

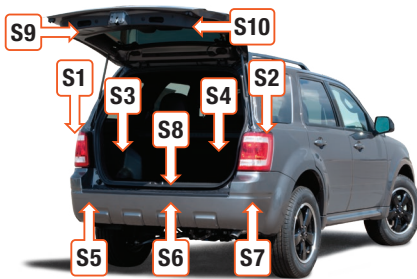
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

S5

Wiring Location Guide* for SUVs and Vans (S)

S1	Behind driver side taillight housing
S2	Behind passenger side taillight housing
S3	Behind driver side rear access panel
S4	Behind passenger side rear access panel
S5	Behind driver side rear bumper
S6	Behind center of rear bumper
S7	Behind passenger side rear bumper
S8	Under rear floor panel
S9	Behind driver side rear access panel
S10	Behind passenger side rear access panel



* Representative vehicle shown

Tools Required

Ratchet	Panel trim removal tool
Socket, 14mm	Cutting tool
Socket extension	--

⚠ WARNING

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

The battery connection must be fuse-protected, 15-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire.

Do not lay tools across the positive terminal (typically labeled with red covers or a red "+" symbol). This can cause a ground to short causing sparks, and / or electrical shocks.

NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

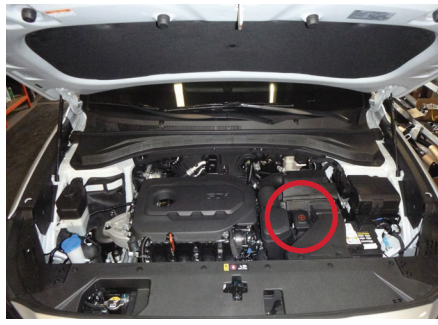
All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

Maintenance

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

Step 1

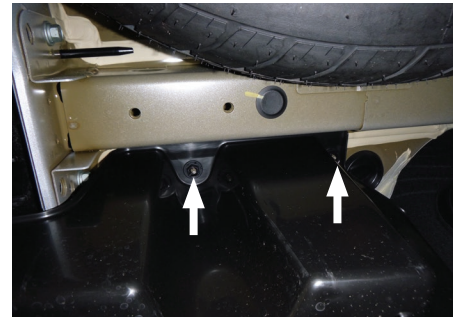
Locate the vehicle battery on the driver side in the engine compartment and disconnect the negative terminal. Fasten this wire down and away from the battery during the installation.



Step 2

Locate the plastic shroud below the driver-side rear bumper cover. Remove the three push fasteners and the two 14mm bolts (bolts are attached to the shroud).

Install the fuse from the bag kit into the fuse holder in the custom wiring harness.



Step 3

Remove the dust cover from the harness, taking care not to damage the locking tabs.

Insert the custom wiring harness end into the OEM harness. Make sure the connectors are fully inserted with locking tabs in place.



Step 4

Locate a flat spot near the factory harness area. Adhere the black converter box using the provided double-sided tape.

Route the 4-flat along the back of the vehicle to the hitch. Secure any loose wires with the provided cable ties.

Step 5

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.

NOTICE

14mm nuts on shroud are push nuts, tighten so it does not cause noise

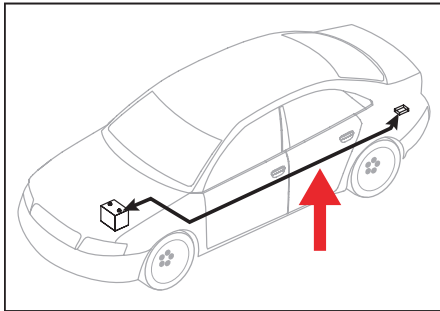
POWERED CONVERTER LEAD INSTRUCTION SHEET

NOTICE AVIS / AVISO

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

WARNING AVERTISSEMENT / ADVERTENCIA

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

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

