

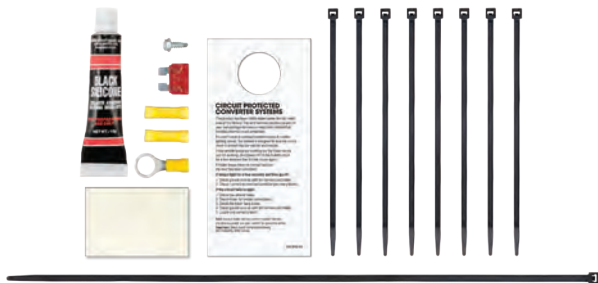
INSTALLATION INSTRUCTIONS

⚠ WARNING: DO NOT EXCEED PRODUCT RATING OR TOW VEHICLE LAMP LOAD RATING, WHICHEVER IS LOWER

APPLICATIONS

Make	Model
Ford	Windstar

CUSTOM WIRING HARNESS



WIRING LOCATION GUIDE

SUVS, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

S1 - Behind driver side taillight housing

S2 - Behind passenger side taillight housing



NOTICE

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

TOOLS NEEDED

Phillips screwdriver
Flat blade screwdriver
Panel trim removal tool

⚠ 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 lamp load rating, whichever is lower.

Signal Circuits - 2.1 amps per side


Tail / Running Circuits - 4.2 amps total

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

INSTALLATION / SAFETY INSTRUCTIONS

Step 1

Open the tailgate and remove the vehicle taillight assemblies by removing the screws and carefully prying the taillight away from the vehicle (A).

 **CAUTION:** Pry the taillights at the indicated points to avoid damage.

Step 2

Remove the fasteners securing the rear scuff panel. Remove the scuff panel by pulling out on the bottom and then up (B). Take care not to damage the alignment tabs on the back.

Step 3

Remove the trim panel to locate the vehicle taillight wiring harness connectors (C,D). The connectors will be similar to those on the custom wiring harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs.

Step 4

Beginning on the driver side, disconnect the top, grey connector from the taillight assembly (E). Insert the custom wiring harness end with the yellow wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.

Step 5

Route the remainder of the custom wiring harness to the passenger side. At the same time push the yellow wire in between the bumper fascia and the vehicle body.

Step 6


On the passenger side, disconnect the middle, black connector and insert the custom wiring harness end with the red and brown wires between the separated connectors. Make sure that the connectors are fully inserted with locking tabs in place.

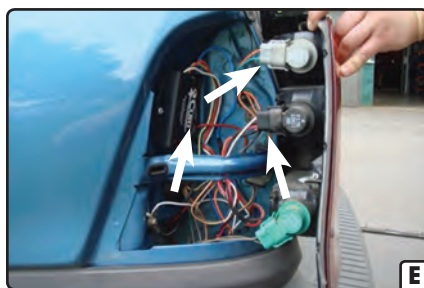
Step 7

Disconnect the top, grey connector from the taillight assembly (E), and insert the custom wiring harness end with the green & red with white stripe wires between the separated connectors. Make sure that the connectors are fully inserted with locking tabs in place.

Step 8

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.




INSTALLATION / SAFETY INSTRUCTIONS

Step 9

Disconnect the negative battery cable. Using the provided ring terminal, attach the fuse holder (with the fuse removed) to the positive battery terminal.

Step 10

Connect the fuse holder to the black, 12 gauge wire using the provided yellow butt connector. Route the wire rearward from the fuse holder, underneath the vehicle along the frame rail, to the bumper. End at the passenger-side taillight.

 **WARNING:** Make sure to avoid areas that contain moving parts that could cut, pinch or burn the wires when routing the 4-flat harness to the rear of the vehicle. Failure to follow these warnings may cause property damage, personal injury or loss of life.

Step 11

Attach the 12 gauge wire to the blue wire on the custom wiring harness marked "Battery +" with the provided yellow butt connector.

Step 12


Open the jack storage compartment cover. From the outside of the vehicle, pull the rubber grommet surrounding the passenger-side wiring harness away from the body. Carefully slit the grommet to allow the wiring harness 4-flat connector and wires to pass through the grommet and into the jack storage compartment. Reseat the grommet into the mounting hole. Retain the 4-flat connector inside the jack storage compartment for future use. Use the provided sealant to seal the cut in the grommet and around all the wires (F,G).

Step 13

Reconnect the negative battery cable and install the provided 10 amp fuse.

Step 14

Locate a flat clean surface that is out of the path of spray and debris from the rear wheels and road. 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.

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

Step 15

Reinstall all items removed during install. Install the provided 4-flat dust cover to help prevent corrosion.

