

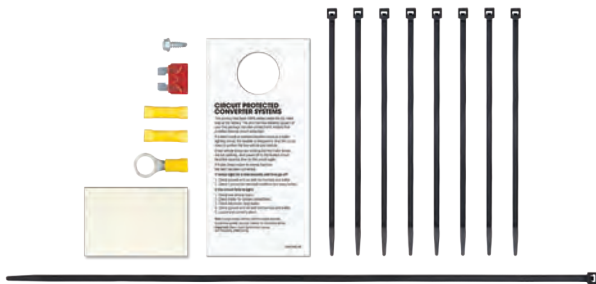
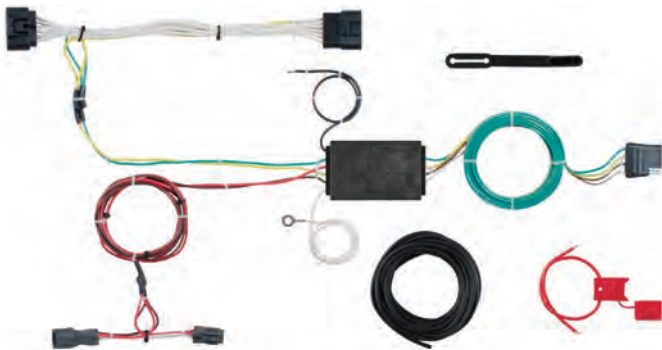
# INSTALLATION INSTRUCTIONS

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

## APPLICATIONS

Make	Model
Kia	Sportage

## CUSTOM WIRING HARNESS



## WIRING LOCATION GUIDE

### SUVs, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

S1 - Behind driver side taillight housing

S5 - Behind driver side rear bumper



## 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

10mm socket

Ratchet

Panel trim removal tool

Phillips screwdriver

1/4" socket

Crimping tool

Cutting tool / Utility knife

Wire stripper

Electrical tape

## ⚠ 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 - 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.

# INSTALLATION / SAFETY INSTRUCTIONS

## Step 1

Locate vehicle battery on the driver side under the hood and disconnect the negative battery terminal (A).

## Step 2

Open the vehicle tailgate. Remove all trunk floor coverings and storage trays (B).

## Step 3

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

## Step 4

Starting on the driver side, remove the three Phillips screws from the side trim panel (E).

## Step 5

Remove the two Phillips screws securing the taillight housing (F). Remove the taillight by gently pulling rearward and out.

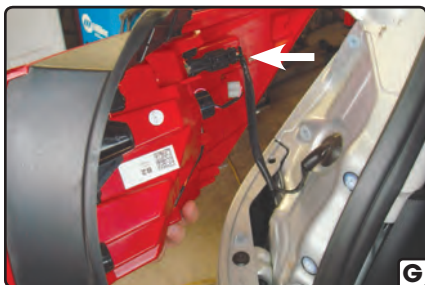
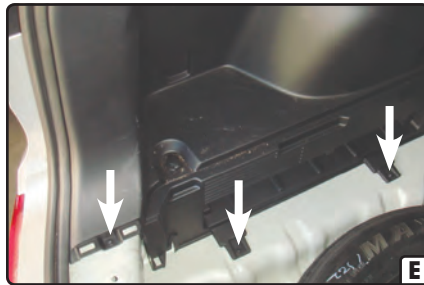
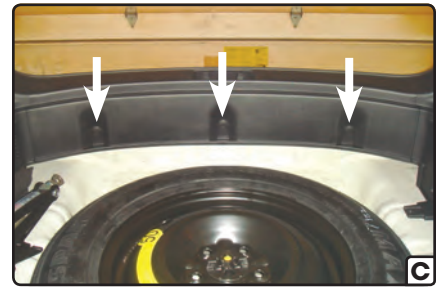
Behind the taillight housing is the connection for the taillight's wiring harness (G). Separate the connectors from the taillight housing taking care not to damage the locking tabs. Place the taillight housing to the side for later use.

## Step 6

Locate and remove the two push fasteners underneath the vehicle, on the driver side, behind the tire (H). Remove the dust cover panel to access the vehicle's wiring harness (I,J).

## Step 7

For more work space with the connectors, remove the fastener holding the vehicle connectors in place. Separate the connectors from the taillight housing taking care not to damage the locking tabs (K).



# INSTALLATION / SAFETY INSTRUCTIONS

## Step 8

From inside the vehicle, pull back on the side trim panel to locate the grommet that the wiring harness passes through (L).

Remove the grommet and pull up on the vehicle wiring harness so that the disconnected connector underneath the vehicle and grommet are located inside, behind the side trim panel.

## Step 9

Insert the CURT wiring harness end with yellow wire into the mating vehicle's connector. Make sure the connectors are fully inserted with locking tabs in place (M).

## Step 10

Locate the vehicle wiring harness grommet that was removed from the floor in step 8. Taking care not to cut any wires, remove the grommet from the vehicle wiring harness. Route the unconnected end of the yellow and green wiring harness, the red and brown wiring harness and the black power wire through the removed grommet (Q).

## Step 11

Use electrical tape and a cable tie to fasten the custom wiring harness wires to the grommet and seat the grommet back into the exposed hole. Use the provided sealant to seal the grommet where the wires pass through and where the grommet was cut.

## Step 12

Locate the CURT wiring harness underneath the vehicle. Insert the CURT wiring harness end with yellow wire into the mating vehicle's connector. Make sure the connectors are fully inserted with locking tabs in place (N).

## Step 13


Using a piece of stiff wire, route the CURT wiring harness with the brown wire up to the removed driver side taillight (O).

## Step 14

Insert the CURT wiring harness end with brown wire between the separated connectors of the taillight housing. Make sure the connectors are fully inserted with locking tabs in place.

## Step 15

Locate a suitable grounding point near the connector such as an existing screw with nut in the vehicle's 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 16

Locate a flat spot inside the vehicle, near the taillight. Adhere the black converter box using the provided double-sided tape.

## Step 17

Route the black power wire from the vehicle's battery as shown on the included CME-PCL-INS sheet.

## Step 18

When in use, route the 4-flat out from behind the side trim panel, to the center of the vehicle and out of the cargo area. When not in use, roll up and store in a convenient, out of the way location inside the cargo area. Secure any loose wires with the provided cable ties.

## Step 19

Reinstall all items removed during install and reconnect negative battery terminal.

