

# INSTALLATION INSTRUCTIONS

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

## APPLICATIONS

Make	Model
Toyota	Highlander

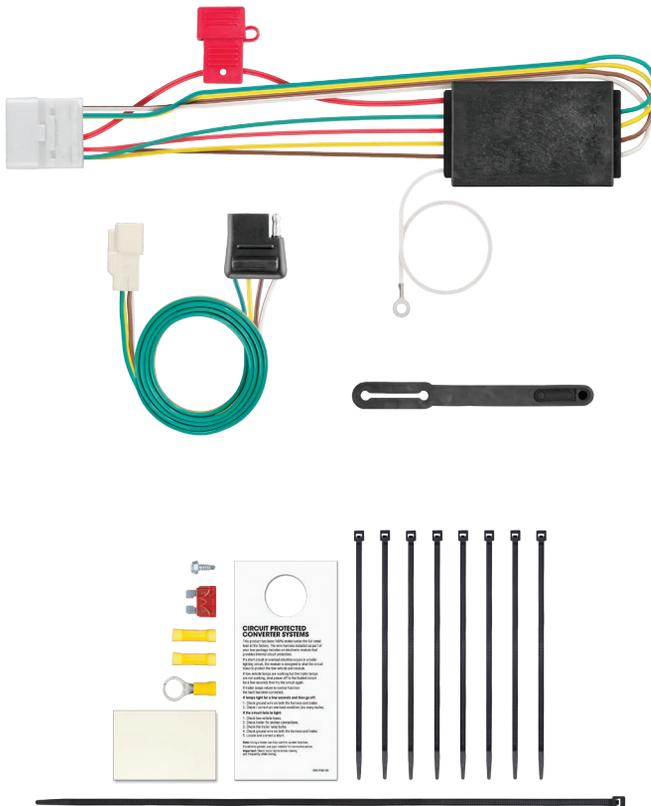
## WIRING LOCATION GUIDE

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

Representative vehicle shown below

S8 - Under rear floor panel

## CUSTOM WIRING CONNECTOR



## NOTICE

All steps must be followed to ensure the wiring connector 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

## ⚠ 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

For 2008 - 2013 models

## Step 1

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

## Step 2

Locate the vehicle 10-pin connector on the driver side underneath the dash between the emergency brake pedal and the brake pedal (A). The connector will be similar to that on the custom wiring connector.

## Step 3

Insert the 10-pin connector end into the vehicle 10-pin connector. Make sure the connector is fully inserted with locking tabs in place (B).

## Step 4

Locate a flat spot under the dash. Adhere the black converter box using the provided double-sided tape.

## Step 5

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 6

Insert the provided 10-amp ATC fuse into the inline fuse holder.

## Step 7

Open the vehicle tailgate. On the driver side, remove the access panels, scuff panel, trunk panels and floor trays (C,D,E). Set aside all items.

## Step 8

Locate the vehicle 4-pin connector on the driver side. The connector will be similar to that on the custom wiring connector. The connector surface should be free of rust, dirt and paint (F).

## Step 9

Insert the 4-pin custom wiring connector end into the vehicle 4-pin connector. Make sure the connector is fully inserted with locking tabs in place (G).

## Step 10

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

## Step 11

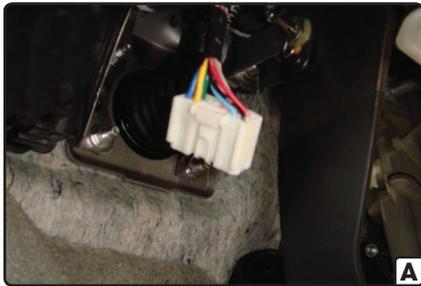
Reinstall all items removed during install.

## Step 12

See the the owner's manual for the correct position of the towing fuse (H). Insert the provided 10 amp short fuse (I).

## Step 13

Reconnect negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.



# INSTALLATION / SAFETY INSTRUCTIONS

For 2014+ models

## Step 1

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

## Step 2

Open the vehicle tailgate. Remove all trunk floor coverings and fold down the rear seats (K). Remove the center rear storage tray cover (L).

## Step 3

Remove the plastic push fasteners along the bottom edge of the third row of seats (M).

## Step 4

On the driver side, remove the side storage cover (N) and tray by pulling upward (O). Remove the 10mm nut securing the storage tray and remove the tray (P).

## Step 5

On the back of the vehicle, under the rear scuff panel, locate the vehicle taillight wiring harness connectors (Q). The connectors will be similar to those on the custom wiring connector.

## Step 6

Insert the 10-pin and 4-pin connector ends into the vehicles 10-pin and 4-pin connectors. Make sure the connectors are fully inserted with locking tabs in place (Q).

## Step 7

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 8

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

## Step 9

Insert the provided 10 amp ATC fuse into the inline fuse holder.

## Step 10

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

## Step 11

Reinstall all items removed during install.

## Step 12

See the the owner's manual for the correct position of the towing fuse. Insert the provided 10 amp short fuse (R).

## Step 13

Reconnect negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.

