

# INSTALLATION INSTRUCTIONS

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

## APPLICATIONS

Make	Model
Toyota	Sienna
Toyota	Sienna SE

## 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

- Ratchet
- 12mm socket
- 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 - 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.

## Step 2

Open the vehicle tailgate. Remove the two 10mm bolts securing the driver side and passenger side taillight assemblies (A).

## Step 3

Remove the taillight assemblies to locate the vehicle taillight wiring harness connectors. 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 (B).

## Step 4

Remove the three tow hooks securing the rear scuff panel by using a flat blade screwdriver to unlatch the protective tabs. Once the tabs are open, remove the 12mm bolts. Remove the scuff panel by pulling out on the bottom and then up (C).

## Step 5


On both sides of the vehicle pull back on the rear trim panels to locate the opening that the wires go through to the taillight (D).

## Step 6

Route the custom wiring harness ends with red and yellow wires out through the opening and insert them between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.

## 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 (E).

## Step 9

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

## Step 10

Route the custom wiring harness end with the green wire out from under the rear trim panel to the passenger side behind the removed scuff panels (F). Repeat step 6 on the passenger side using the harness end with the green wire.

## Step 11

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 12

Reinstall all items removed during install and reconnect negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.

