

INSTALLATION INSTRUCTIONS

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

APPLICATIONS

Make	Model
Toyota	Avalon
Toyota	RAV4

CUSTOM WIRING HARNESS



⚠ 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.

WIRING LOCATION GUIDE

PASSENGER CARS (P)

Representative vehicle shown below

P3 - Behind driver side taillight housing, inside of trunk

P4 - Behind passenger side taillight housing, inside of trunk



SUVs, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

S3 - Behind driver side rear access panel

S4 - Behind passenger side rear access panel



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

INSTALLATION

Step 1

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

Step 2

Toyota RAV4

Open the vehicle tailgate. Remove the trunk floor covering and rear cargo area cover (A). Remove the rear scuff panel by pulling out on the bottom and then up (B). On the driver side, remove the fasteners securing the plastic cargo tray next to the spare tire (C). On both sides of the vehicle, remove the rear cargo loop, Phillips screws and 10mm bolt holding the rear trim panel in place (D).

Toyota Avalon

Open the vehicle trunk. Remove the trunk floor covering and rear cargo area cover. Remove the two fasteners securing the rear scuff panel (E). Remove the scuff panel by pulling out on the bottom and then up (F).

Step 3

Toyota RAV4

On the driver side, pull back on the top and bottom rear trim to locate the vehicle taillight wiring harness connectors (G). 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 (H). Insert the custom wiring harness end with yellow wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.

Toyota Avalon

On the driver side, pull back on the felt liner to locate the vehicle taillight wiring harness connectors (I). 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 (H). Insert the custom wiring harness end with yellow wire between the separated connectors. Make sure the connectors are fully inserted with locking tabs in place.

Step 4

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 5

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.

Step 6

Route the custom wiring harness end with the green wire to the passenger side behind the removed scuff panel. Repeat step 3 on the passenger side using the harness end with the green wire.

Step 7

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

Step 8

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 9

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

