

# INSTALLATION MANUAL

## Level of Difficulty

Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

## Wiring Location Guide\*

Front bumper



\* Representative vehicle shown

## Tools Required

Ratchet	Panel trim removal tool
Socket	Cutting tool
Socket extension	Wire crimper
Torx bit	Wire stripper
Wrench	Heat gun
Phillips screwdriver	Paint marker
Flathead screwdriver	Electrical tape

\* Tools vary based on vehicle

## WARNING

Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

## Product Photo



## NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

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

## Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

## Step 1

**Note:** Prior to installation, refer to the installation instructions included with your RV harness

With your RV harness routed to the front of the vehicle, determine the location you want the 7-way plug to mount. This can be mounted in the grill area, in the bumper cover or below the bumper.

Check the ground clearance of the wiring. Mounting this bracket low to the ground could cause the wiring to contact the road or debris in the road. Keep away from hot areas and moving objects such as radiators / oil coolers and fans (both electric and mounted on the engine).

## Step 2

Use a suitable cutting tool to make an opening in the vehicle to accept the 7-way. You may need to remove the bumper cover to make the cuts and install the harness and / or mounting kit.

## Step 3

Using the connector socket mounting bracket, mount to the body of the vehicle (use short screws). Use the bracket as a backing plate, (long screws used) sandwiching the bumper cover between the connector socket and bracket.

## Step 4

Route the harness to the custom RV harness and connect the 4-flat.

Locate a suitable grounding point to attach the white ground wire. The area should be free of rust, dirt and paint. Secure the white ground wire using the ring terminal and provided screw.

## Step 5

The blunt-cut blue wire is the active trailer brake. This is used for hard-wiring braking systems in your flat towed vehicle. **Note:** Check your state's DMV requirements on trailer brakes.

The black wire is the 12-volt power for attaching to a battery maintainer.

### NOTICE

Once 12 volt power wire is connected to the harness verify that the harness is functioning by attaching the battery and testing with a test light, 4-flat tester, or a functioning trailer.

Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.

