



INSTALLATION GUIDE

Scan to watch installation video

FOR POWERSYNC LIGHTS



MODEL:
PS8400
PS8401
PS8402
PS8403
PS8404

DESCRIPTION:
HITCH WIRE HARNESS
FUSE WIRE HARNESS
4-WAY WIRING HARNESS
SINGLE EXTENSION
SINGLE EXTENSION

ATTENTION: PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS BEFORE ASSEMBLING, INSTALLING OR USING THIS PRODUCT



NOTICE: Before you start the installation, please make sure to park the truck on a level surface, turn off the truck engine, and remove the key from the ignition.

For installing the Weather Guard® Lights Upgrade kit PS8400 or PS8401, please follow one of the wiring harness installation section that is applicable for your vehicle and the Lights Upgrade Kit installation (Section 3) of the instruction manual.

PS8400: To be used with Chevrolet/GMC/RAM Trucks with the factory trailer towing packages. For Chevrolet/GMC/RAM trucks without the factory trailer towing package, use PS8401

PS8401: To be used with all Truck Models

For installation of the truck box to the truck bed, please reference the Weather Guard® saddle box installation manual, included in the separate accessory/installation kit box with your truck box.

1 Installation via Hitch Harness

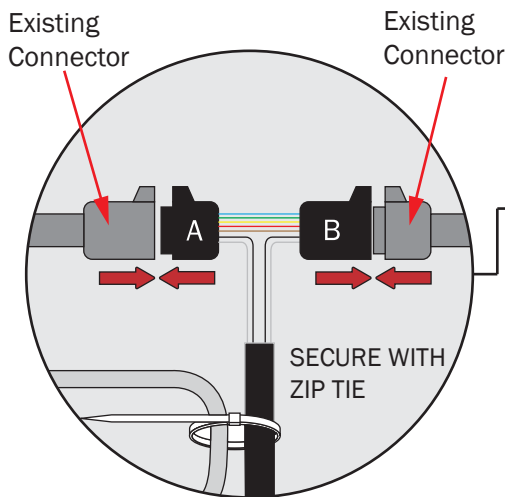


For Chevrolet, GMC or Ram Pickup Trucks with the factory trailer towing package only

STEP 1 CONNECT NEW TRUCK BOX HARNESS TO TRUCK

Locate the factory wiring hitch harness under or behind the rear bumper of your truck. Disconnect the existing connectors as shown below. Note that there is a locking tab that needs to be depressed to disconnect the harnesses. Connect your Weather Guard® Hitch Harness between the factory connectors as shown below.

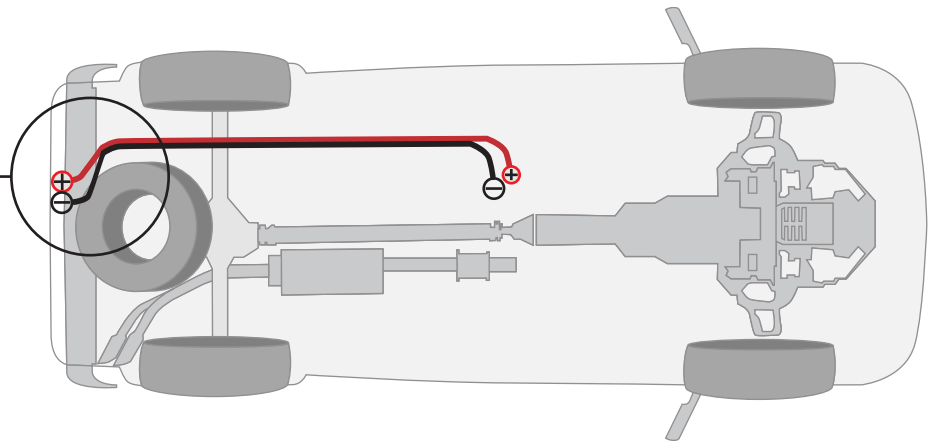
Tuck in and secure the Weather Guard® Hitch Harness to the bumper, bed, or existing factory wiring harness using zip ties.



STEP 2 ROUTE HARNESS TO TRUCK BED

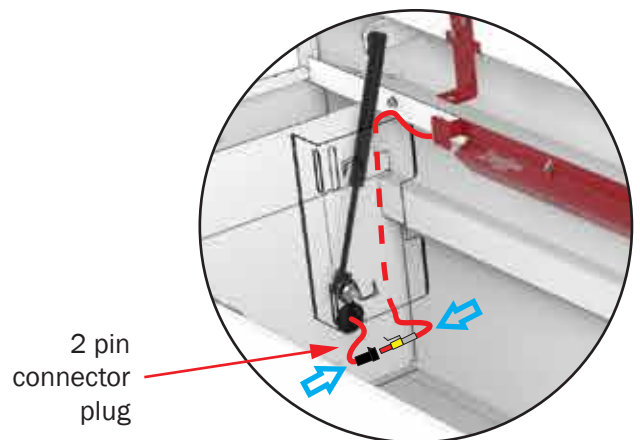
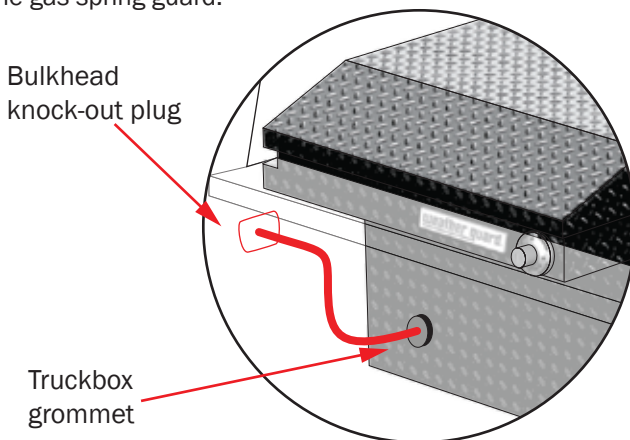
Route the new harness between the rear bumper and the knock out hole in the bulkhead of the truck bed. It is usually easiest to follow the path of an existing wiring harness along the frame of the truck (recommend driver side). Secure the new harness to the truck in a few locations using the zip ties supplied.

NO CUTTING OR DRILLING REQUIRED TO INSTALL. USE ZIP TIES TO SECURE CABLE TO FACTORY FITTED PARTS.



STEP 3 ROUTE HARNESS INTO TRUCK BOX AND CONNECT

Remove the knock-out plug from the bulkhead of the truck bed, feed the harness end into the truck bed and then through the grommet in the side of the truck box. Inside the truck box, connect the 2 pin connector to the light bar and tuck the excess wiring inside the gas spring guard.



CHECK THE FUNCTIONALITY

With the lid open, LEDs should be lit. Close the lid approximately $\frac{3}{4}$ of the way and confirm LED lights turn off.

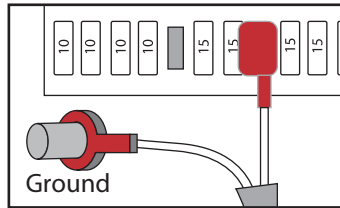
2 Installation of fusebox wiring harness




For use with all makes and models of trucks

STEP 1 DETERMINE A FUSE SLOT TO USE

Identify an open fuse slot in the under-the-hood fuse box that will provide constant power (battery power). For easier installation, review the vehicle owners' manual to locate the horn fuse (or any other always powered accessory) and utilize the open slot in the same row as that fuse.



DISCONNECT BATTERY



Disconnect the negative terminal from the truck's battery.

STEP 2 CONNECT NEW TRUCK BOX HARNESS TO TRUCK FUSE BOX AND GROUND

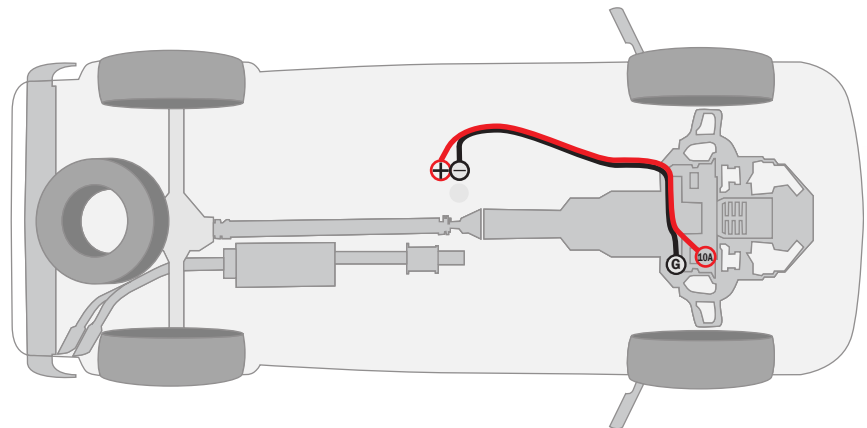
A. If you are utilizing a slot currently in use - as in the case of the horn slot - remove the existing fuse (select the fuse with 10 amp or less in rating) and insert it into the lower fuse slot on the fuse end of the harness. Plug in one of the 3 fuse ends provided with your harness that fits into the fuse slot.

B. If you are utilizing a slot currently NOT in use, plug in one of the 3 fuse ends provided with your harness that fits into the fuse slot. Please note, if the fuse slot is not programmed to provide constant power, no power will reach the truck box.

C. Attach the white ground wire from the harness to an existing ground near the fuse box.

STEP 3 ROUTE HARNESS TO TRUCK BED

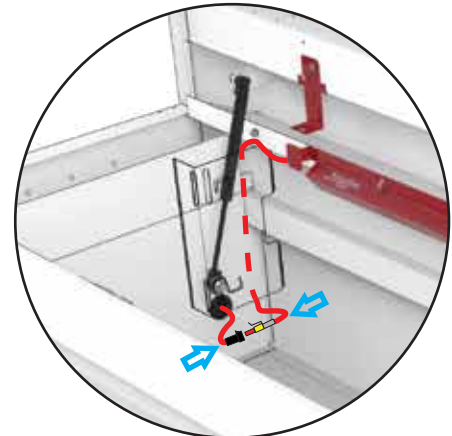
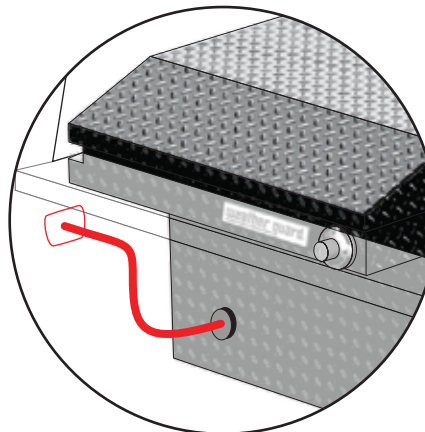
Route the new harness inside the truck body between the fuse box and the knock out hole in the bulkhead of the truck bed. It is recommended to follow the path of an existing vehicle wiring harness along the frame of the truck (recommend driver side). Secure the new harness to the truck in a few locations using the zip ties supplied.




STEP 4 ROUTE HARNESS INTO TRUCK BOX AND CONNECT

Remove the knock-out plug from the bulkhead of the truck bed, feed the harness end into the truck bed and then through the grommet in the side of the truck box.

STEP 5 RECONNECT THE BATTERY



CHECK THE FUNCTIONALITY



With the lid open, LEDs should be lit. Close the lid approximately $\frac{3}{4}$ of the way and confirm LED lights turn off.

3 Installation of PowerSync Light Bezel



TOOLS NEEDED

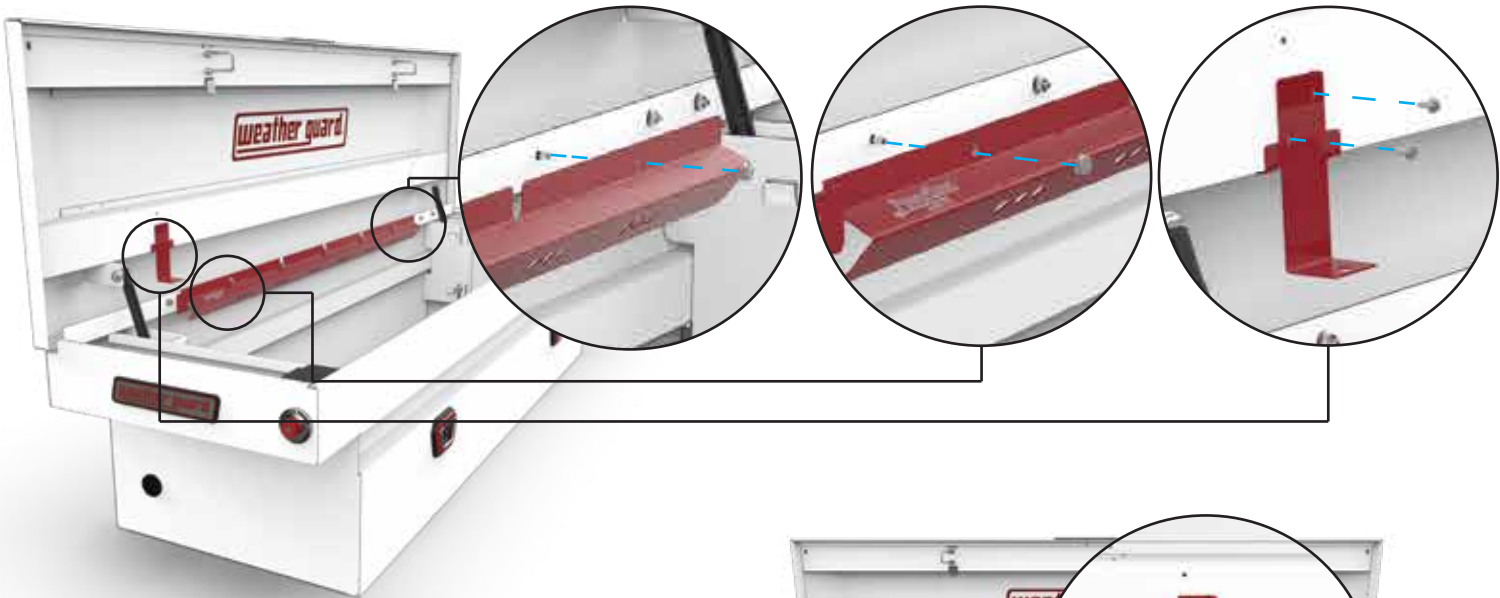
- 3/8" wrench
- 1/4" wrench

STEP 1 REMOVE THREE LID BOLTS

The PowerSync Light Bezel will be attached using the hardware that is securing the lid to the body. Line up the PowerSync Light Bezel to the center of the truck box as shown. There will be 2 nuts interfering with 2 of the slots provided in the Light Bezel. Remove the interfering nuts, place the Light Bezel over the remaining bolts, replace the

nuts and tighten.

If you have a light kit for a 164/165 Lo-side box, center the assembly in the truck box to identify the correct nuts to remove. Remove the interfering nuts and place the Light Bezel over the remaining bolts. Replace the nuts and tighten.



STEP 2 CONNECT THE MAGNET BRACKET

Place the magnet bracket against the bottom lid channel, aligned to the magnetic switch on the light bezel, on the left side as shown below making sure that the bracket tabs stay flush with the bottom of the channel. If there are predrilled mounting holes in the channel, align the mounting holes in the bracket with the pre-drilled holes in the channel. Use the screws provided to secure.



STEP 3 CONNECT NEW TRUCK BOX HARNESS TO TRUCK FUSE BOX AND GROUND

Route the wire from the PowerSync Light Bezel down the partition with the gas strut on the left side of the truckbox, and connect to the PowerSync Power Cable. For installation of the appropriate PowerSync Power Cable, see section A or B of this guide.

Once connected, slowly open and close the lid and check for any interference.

With the lid open, LEDs should be lit. Close the lid approximately 3/4 of the way and confirm LED lights turn off.

