

Introduction / Comments:

Install Instructions For Brake Light On Topper For Silverado EV

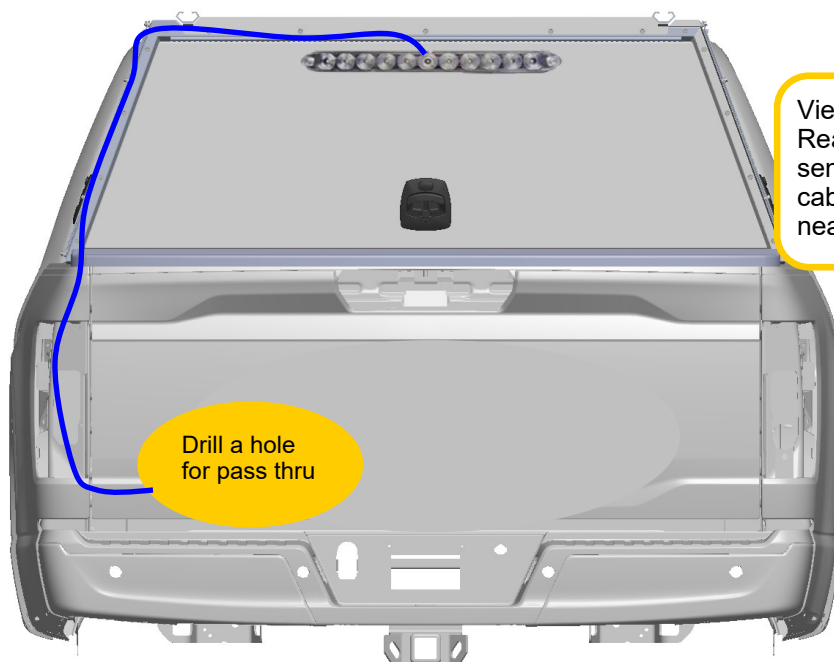
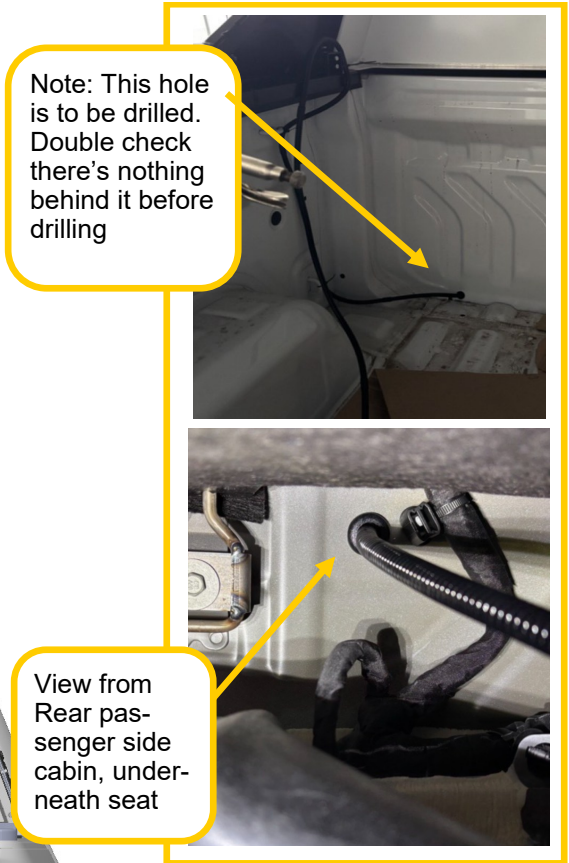
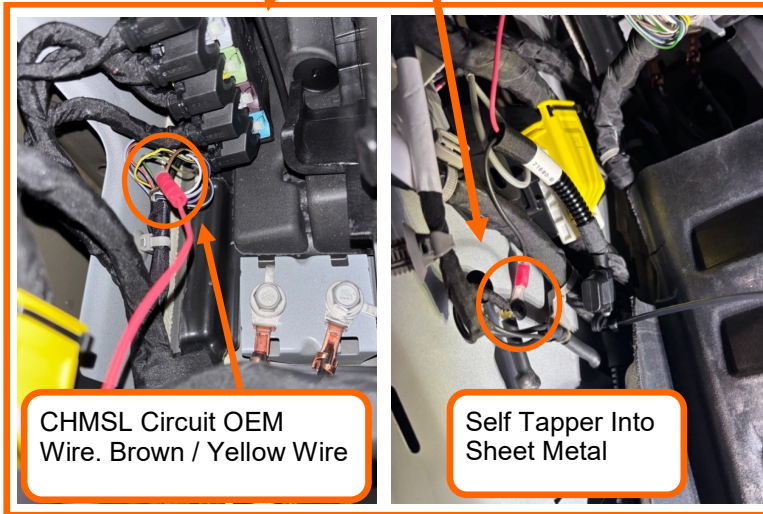
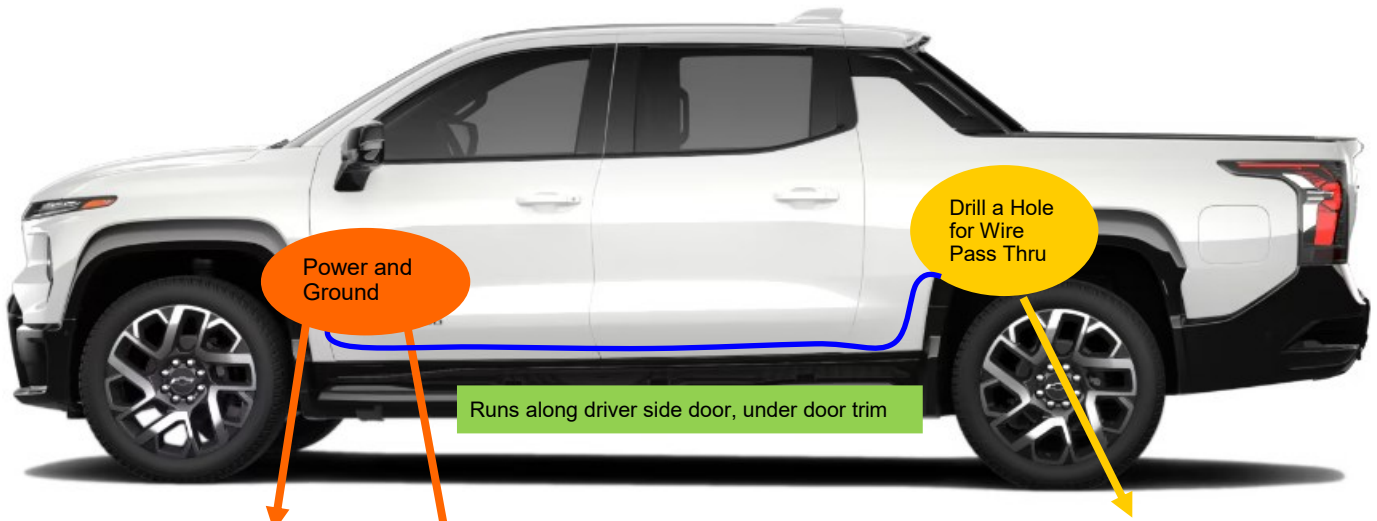
Note:

Read all instructions prior to installation. Review the Adrian Steel **GENERAL PRECAUTIONS PAGES (56638)** before attempting installation. Only personnel familiar with using electrical best practices should perform this install. Reference **ELECTRICAL BEST PRACTICES MANUAL (54479)** before attempting installation.



Installation Instructions For Brake Light On Topper For Silverado EV

Routing Overview



Color	Key - Items
Orange	Power and Ground Location
Blue	Harness Routing
Yellow	Bed Wire Drilled Hole



DO NOT, UNDER ANY CIRCUMSTANCES, DRILL INTO THE FLOOR OF THE EV. THE VEHICLE'S HIGH-VOLTAGE BATTERY SPANS THE ENTIRE FLOOR OF THE EV.

In this instruction, drilling is only needed once, and it is specifically from the back of the cabin to the bed of the truck. **Always check what's behind drill location before drilling.**

Red labelling level of personal injury = could / will result in death

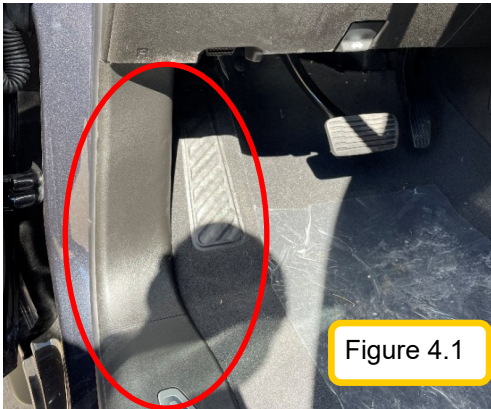


Figure 4.1

Step 1: Locate the brake light harness 71680.

Remove the fuse from the inline fuse holder until the end of the install.
Open the driver's side door. Remove the trim panels circled in red.

Step 2:

Locate the lighting control module on the lefthand side of the vehicle body, a ways behind the OBDII port.

Optional: You can remove the square black module (shown in Figure 4.2) that obscures the location of the wire to be tapped. To do this, locate the tabs on this black module, unclip them, pull the module towards you, then bring it down out of the way.

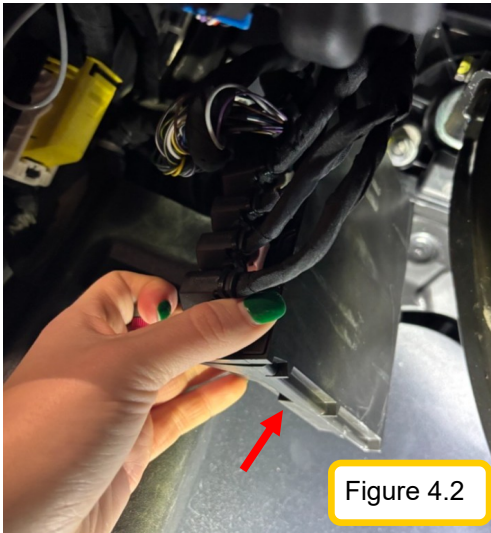


Figure 4.2

Locate the blue connector on the LCM, which is far under the dash. The wire to be tapped will be **Brown/Yellow** (as shown in Figure 4.3 and 4.4). This is the OEM break signal wire for the brake light. **Use a meter to be sure this is the correct wire (OEM's tend to change wire colors).**

Separate the wire from the bundle (by your finger or a trim tool) to prepare it to be connected with the brake light harness.

Locate the posi-tap in the brake light harness bag.

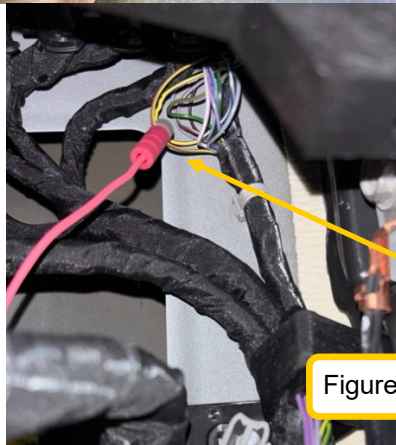


Figure 4.3

**Brown/Yellow
Connector**

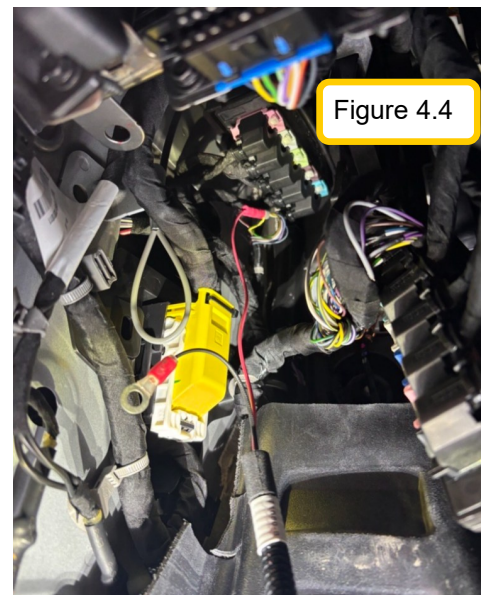
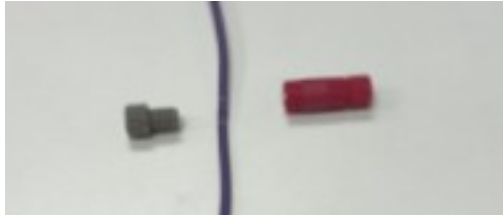


Figure 4.4

The red wire in the pictures is referencing the brake light harness.

The purple wire in the picture is referencing the OEM brake light signal wire.

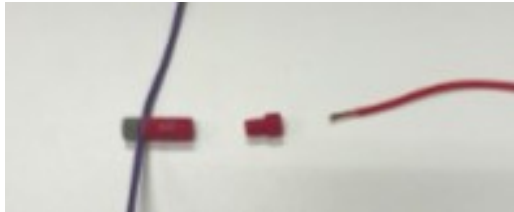


Step 3: Remove the grey cap on the posi-tap.

Push the OEM brake signal wire into the insert on the grey cap.



Twist the grey cap back onto the posi-tap with the OEM wire secured. The pin point on the posi-tap will puncture the OEM wire and obtain the signal.

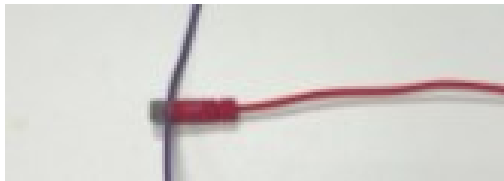


Remove the red cap on the posi-tap.

Insert the blunt cut end of the brake light harness through the red cap.

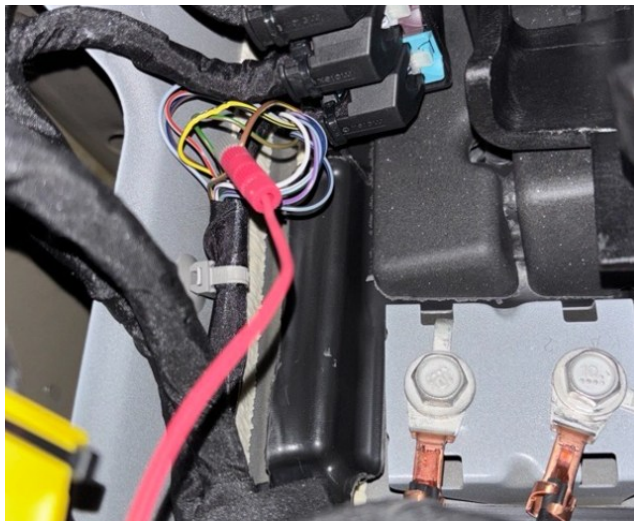


Twist the cap back onto the posi-tap with the brake light harness secured.



The picture to the left is the actual installed posi-tap onto the OEM wire.

Be sure the connection is secure.



Posi-tap

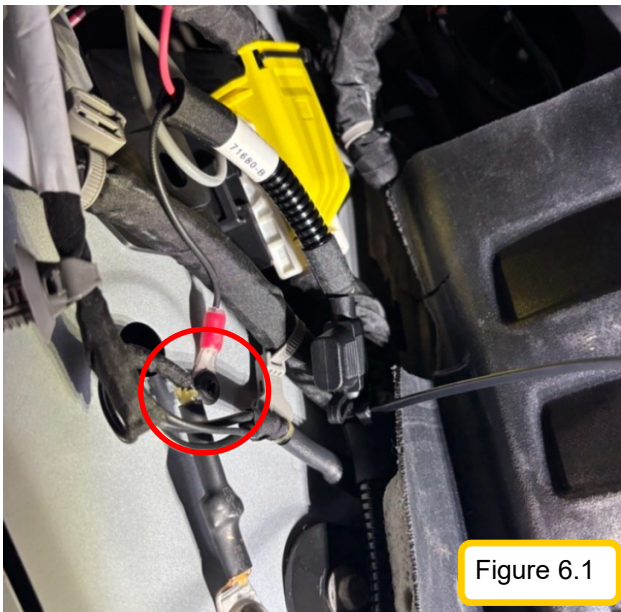


Figure 6.1



Step 4: On the driver's side: locate the exposed sheet metal near the OEM chassis ground. This is located to the left of the OBDII port on the vehicle body.

Locate the circular cut out that is higher on the frame than the OEM ground, shown in the picture to the left. The ground should be fastened around this cutout

Locate the fastener bag BAG71800 and find the small tek screw and the star washer.

Insert the ring terminal through the star washer then through the ground ring terminal on the brake light harness.

Screw the tek screw into the frame like shown in the picture to the left.

Be sure not to over tighten or under tighten the screw. Be sure there is a good connection by checking the connectivity of the ground with a multimeter. You can do this seeing if there is a resistance (Setting " Ω " on meter) between the OEM ground and the new ring terminal.

Figure 6.2



Step 5: Routing (Refer to routing

diagrams at beginning of instructions): Route the harnessing down from the posi-tap/tek screw locations down the metal frame. Tuck the harnessing into the small gap shown in Figure 6.2 (will be covered up by trim when reinstalled), and route it rearward.

Once you reach the back of the cab, pull away the rubber lining under the rear seat to see the metal of the cabin body. Route the harnessing far enough back to go around the rear driver seat bolts, harnessing should be visible with lining removed. General route shown in Figure 6.3.



Figure 6.3

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Step 6: Drilling:

[if this hole as already been drilled from Interior Lighting INS, skip this step]

In the bed of the truck on the driver's side, measure 11 inches from the interior wall of the bed (Figure 7.1). Mark this distance on the wall of the bed connected to the cabin for drilling.

CHECK BEHIND THE DRILL LOCATION. For reference, in the cabin on the driver's side, a little over 2 inches from the rightmost seat belt anchor should be about where the hole will go (Figure 7.2).

Figure 7.1
Location: Driver-

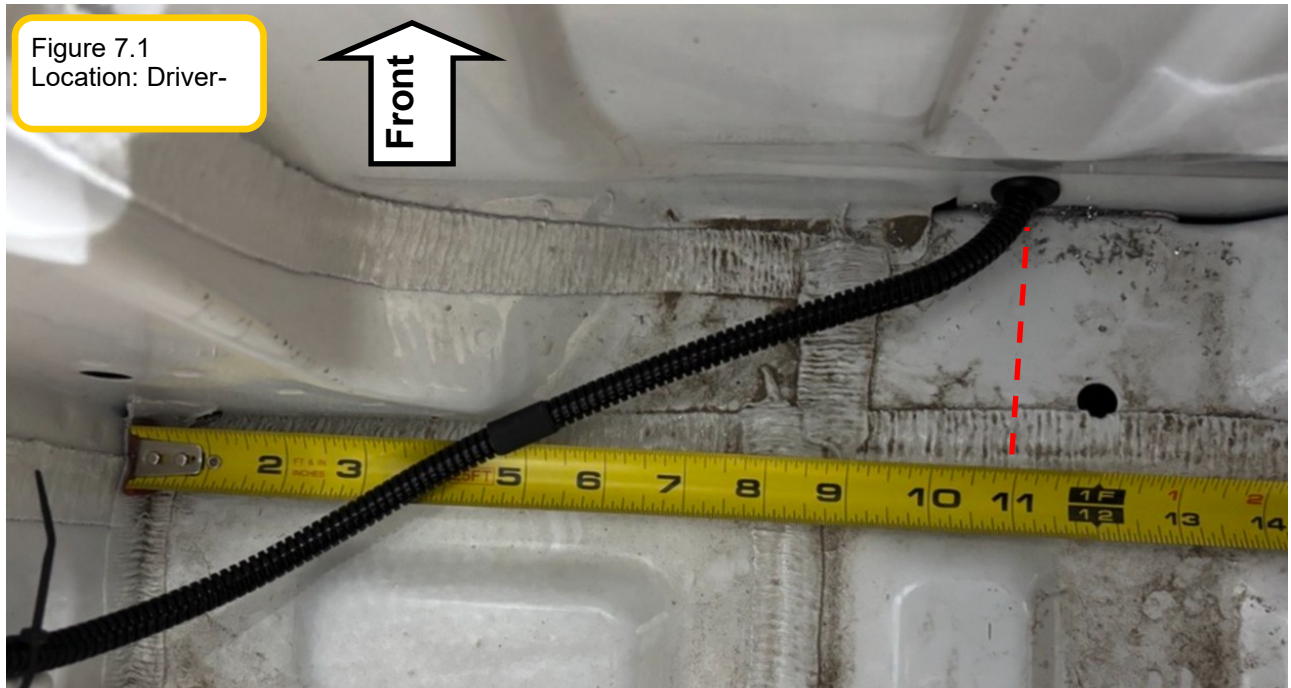


Figure 7.2
Location: Under rear driver-side seat



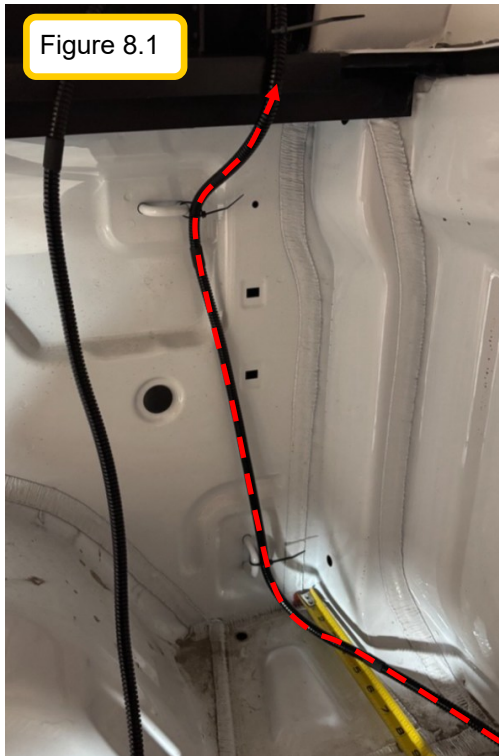
If this vehicle gets Interior Lighting:

Once checked, drill a 1 inch hole from the bed to the cabin. Insert one of the provided grommets (one of them will fit) and pull the harnessing through. Don't silicone grommet yet.

If this vehicle DOESNT get Interior Lighting:

Once checked, drill a 5/8th inch hole from the bed to the cabin. Insert one of the provided grommets (one of them will fit) and pull the harnessing through. Silicone at end of install.

Figure 8.1



Step 7: Routing continued

Continue routing the brake light harness inside the topper, to the light.

The harness should run up the topper (Figure 8.1), then along the driver's side topper cavity (Figure 8.2), then across the rear-most cavity to the light (Figure 8.3).

Be sure to leave extra wire from the brake light to the topper rails before securing. This ensures the wires won't break when the topper door opens and closes.

Secure harness using stud mount zip ties.

Connect the harness to the light:

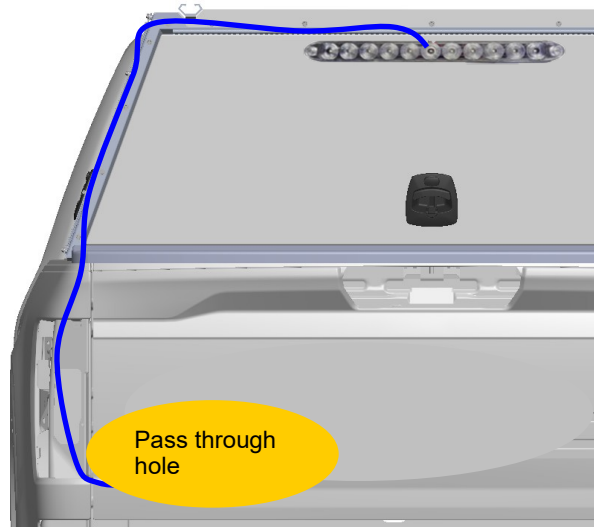
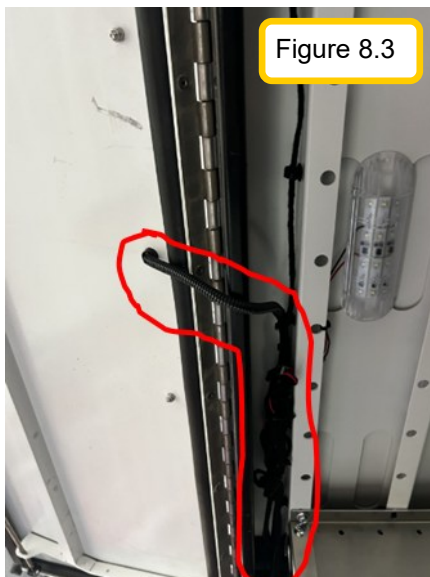
Plug the connectors together. Pull connectors lightly to ensure they do not come apart.

Be sure the red wire on the harness connects to the black wire on the light. Then the black wire on the harness connects to the white wire on the light.

Figure 8.2



Figure 8.3





Insert the fuse into the inline-fuse holder on the brake light harness.

BEFORE SILICONING, make sure all other installs have been done on this vehicle that may use this drilled grommet, since it's the only way to access the driver-side bed from the cab. If so, then silicone the drilled grommet.

THE INSTALL IS NOW COMPLETE

Check that the brake light comes on when the brake pedal is pushed, then back off once pedal is released.