

1) Vehicle Disassembly



- a) Remove the negative battery cable.

(Fig. 1-1)



- i) Do not come in contact with the positive terminal during the removal of the negative cable.

- b) Remove front passenger driver side door scuff plate. (Fig. 1-2)

- c) Remove front driver side kick panel and foot rest. (Fig. 1-3)

- d) Remove driver side fuse panel cover. (Fig. 1-4)

(Fig. 1-1)



(Fig. 1-2)



(Fig. 1-3)



(Fig. 1-4)



2) Bed light LED installation



- a) Use the provided templates to mark the drill locations for the bed light LED assemblies. (Fig. 2-1)

DIO ONLY: Cut out the paper templates located on the last two pages of this document by cutting along the dashed lines. After locating the template in step i (below), use tape to secure the template as needed. (Fig. 2-2)

- i) Locate on the bed rail cap fastener near the tailgate, and then ensure the back edge is flush. (Fig. 2-1)



- ii) Use a 7/64" Drill bit to pre-drill all 3 holes.

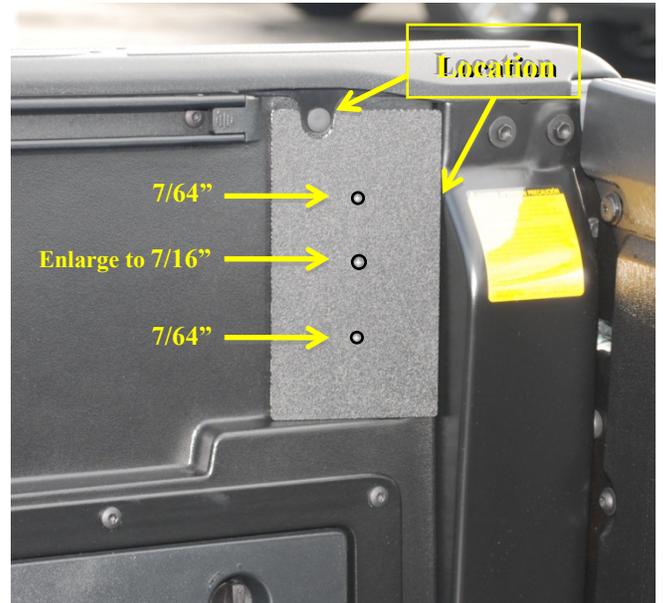


- iii) Use a 7/16" Drill bit with drill stop set to 2" to drill the center hole for wire harness routing.

- iv) Vacuum drill shavings.

- b) Route the bed light LED assembly wire harness through the 7/16" hole and mount the LED assembly using the screws provided. (Fig 2-3)

(Fig. 2-1)



(Fig. 2-2)

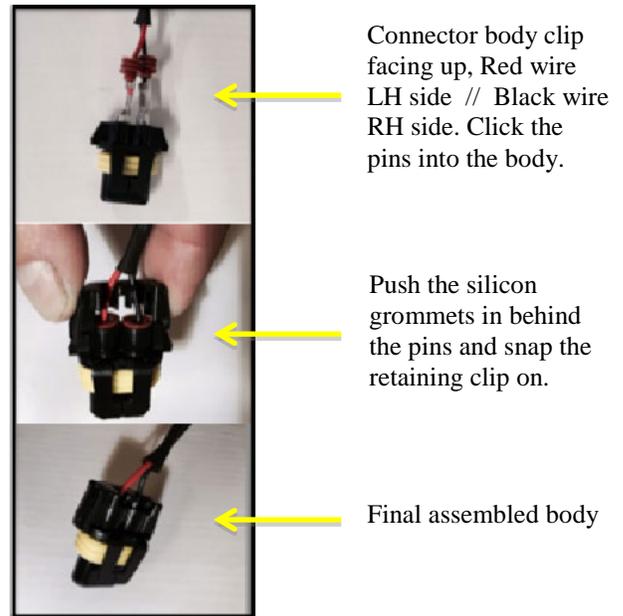


(Fig. 2-3)



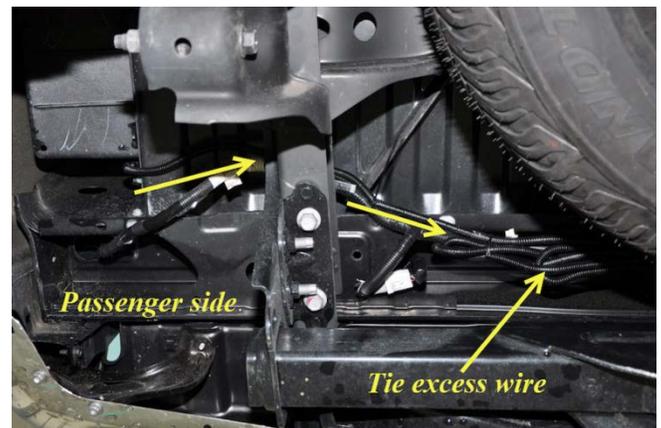
- c) Insert the Bed Light LED assembly harness pins into the connector body and snap on the connector retaining clip. (Fig. 2-3)

(Fig. 2-3)



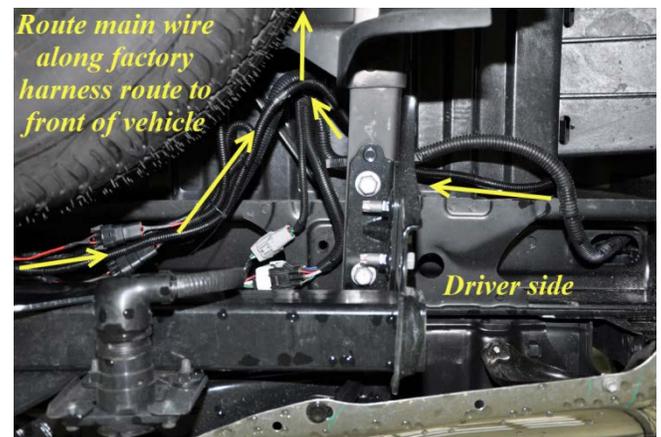
- d) Route the bed light LED assembly wire harness along the factory wire harness toward the driver side location of the rear of the bed near the spare tire tying excess wire as illustrated. (Fig. 2-4)

(Fig. 2-4)



- e) Connect the water-proof connectors on the bed light LED assembly wire harnesses to the bed light LED wire harness coming from the cab of the vehicle on the driver side of the spare tire and wire tie the bed light LED harness to OE harnesses. (Fig. 2-5)

(Fig. 2-5)



3) Bed Light LED Harness Routing

- a) Route the bed light LED wire harness from the spare tire area toward the cab on the driver side of the vehicle along the OE wire harness using wire ties (as needed) to secure it. (Fig. 3-1)

(Fig. 3-1)



- i) Route the wire harness past the spare tire. Attach the Bed Light LED harness to the OE Factory harness using wire ties. (Fig. 3-2)

(Fig. 3-2)



- ii) Route the bed light LED wire harness through the hole in the frame above the fuel tank. (Fig. 3-3)

(Fig. 3-3)



- iii) Secure the bed light LED wire harness to the OE harness in front of the fuel tank using wire ties. (Fig. 3-4)

(Fig. 3-4)



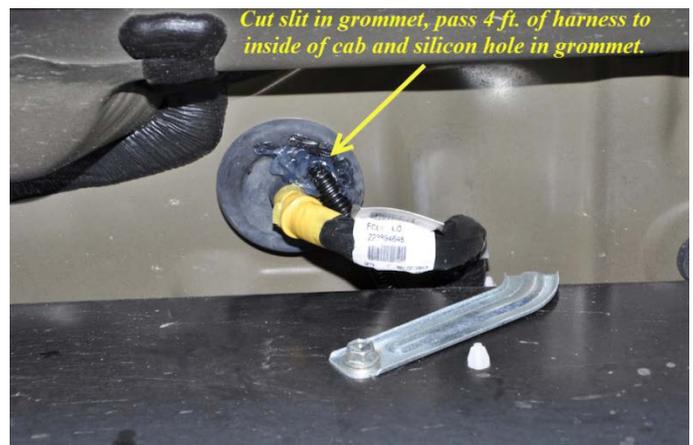
- b) Lift the front driver side Floor carpet to expose the body grommet. (Fig. 3-5)

(Fig. 3-5)



-  i) Cut a slit in the body grommet from the underside of the vehicle.
- ii) Insert the Bed Light LED wire harness, red blade connector side, through the underside of the grommet.
- iii) Pull wire harness an adequate length to reach the driver side junction (approx 4-5'), into the passenger compartment.
-  iv) Seal the Bed Light LED harness hole in the grommet with 3M Body Sealant. (Fig. 3-6)

(Fig. 3-6)



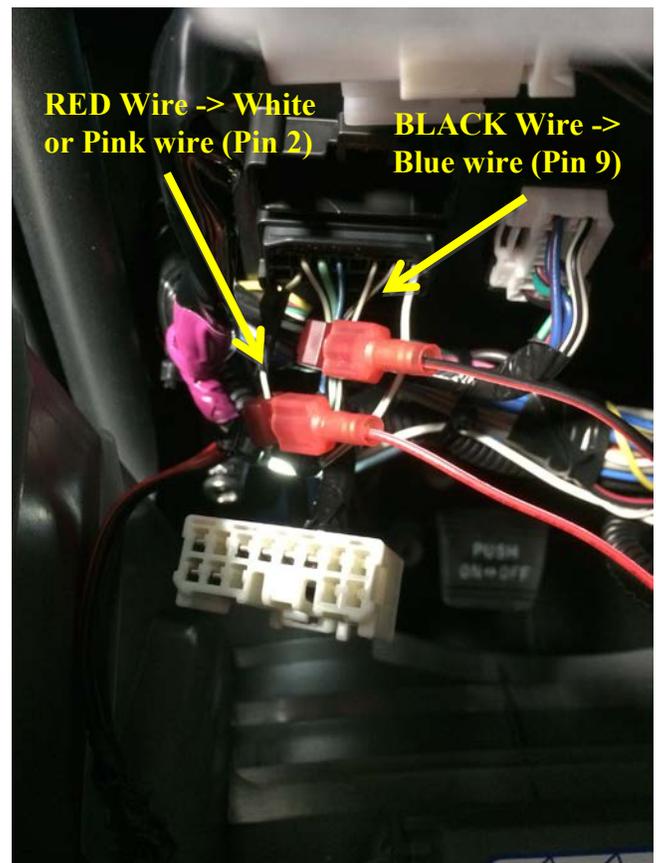
- c) Route the wire harness up the driver side scuff plate channel into the driver side kick panel to the fuse panel. Secure to OE Factory harness with wire ties. (Fig. 3-7)

(Fig. 3-7)

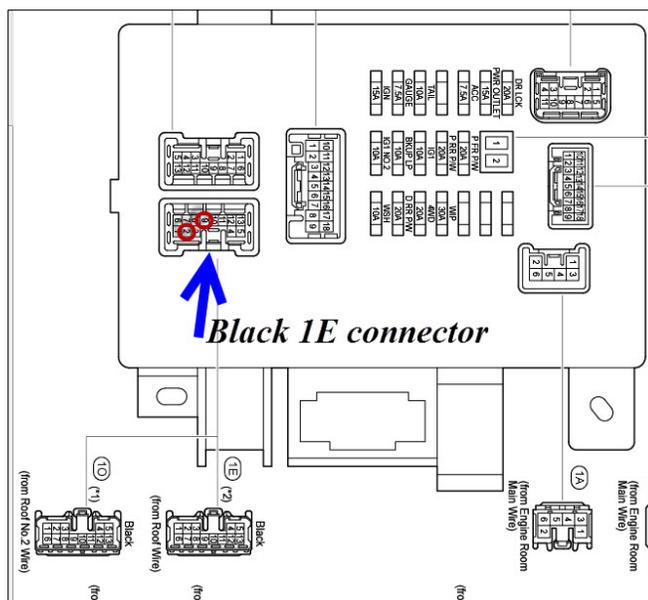


- d) Install T-taps
 - i) Find 1E Black connector located behind the driver side fuse panel cover. Attach a RED 22-18 AWG T-Tap to the blue wire (pin # 9). (Fig. 3-8 / 3-9 / 3-10)
 - (1) Use pliers to ensure the T-tap is snapped in correctly.
 - (2) Plug the BLACK wire from the Bed Light LED wire harness into the T-tap.
 - ii) In the same connector (1E connector). Attach a RED 22-18 AWG T-Tap to the white or pink wire (pin # 2). (Fig. 3-8 / 3-9 / 3-10)
 - (1) Use pliers to ensure the T-tap is snapped in correctly.
 - (2) Plug the RED wire from the Bed Light LED wire harness into the T-tap.

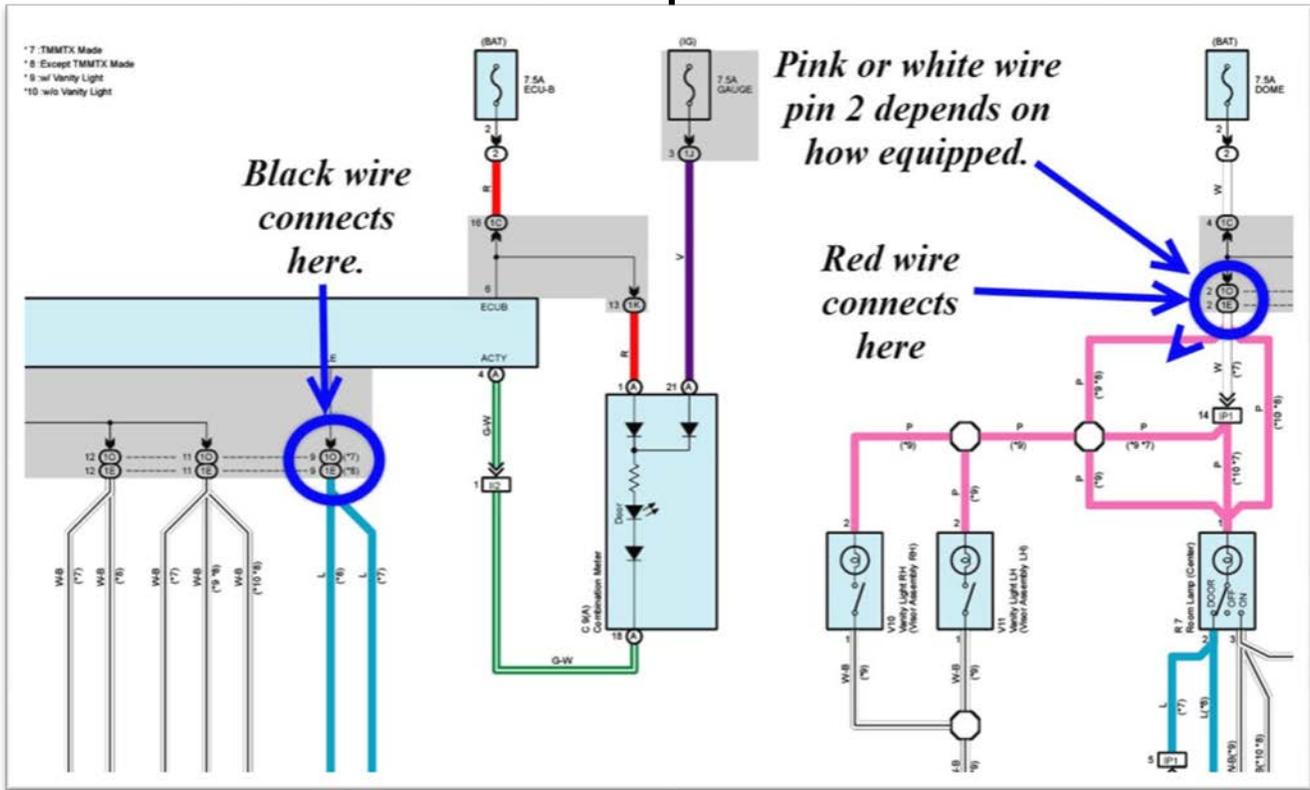
(Fig 3-9)



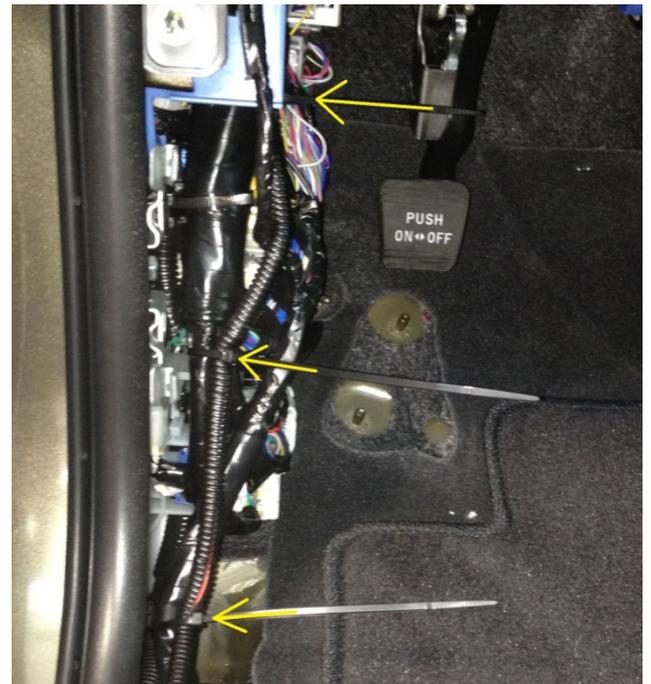
(Fig 3-8)



(Fig. 3-10)



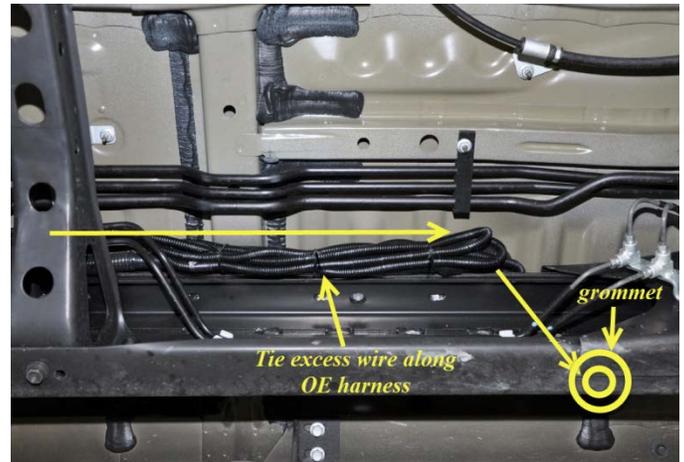
(Fig. 3-11)



- iii) Secure wire harness along the kick panel using wire ties as needed. (Fig. 3-11)

- e) Secure excess bed light LED wire harness to OE Factory wire harnesses using wire ties in the location near the rear of the grommet (as illustrated). (Fig. 3-12)

(Fig. 3-12)



4) Function Check

- a) Reconnect the vehicle's negative battery cable.
 - i) Position the negative battery cable at the original factory position.
 - ii) Tighten the nut with 48 in lbs of torque.
 - iii) Do not come in contact with the positive terminal during the replacement of the negative cable.
- b) Install "Short Pin Fuse" and complete the checklist on the right side of this page.



5) Vehicle Reassembly

- a) Trim all excess from wire ties.
- b) Reinstall the driver side carpet and kick panel.
- c) Reinstall the driver side door scuff.
- d) Reinstall the driver side fuse panel cover.
- e) Clean up and remove trash.

Accessory Function Check

The LED Bed Light should illuminate with any of the following actions:

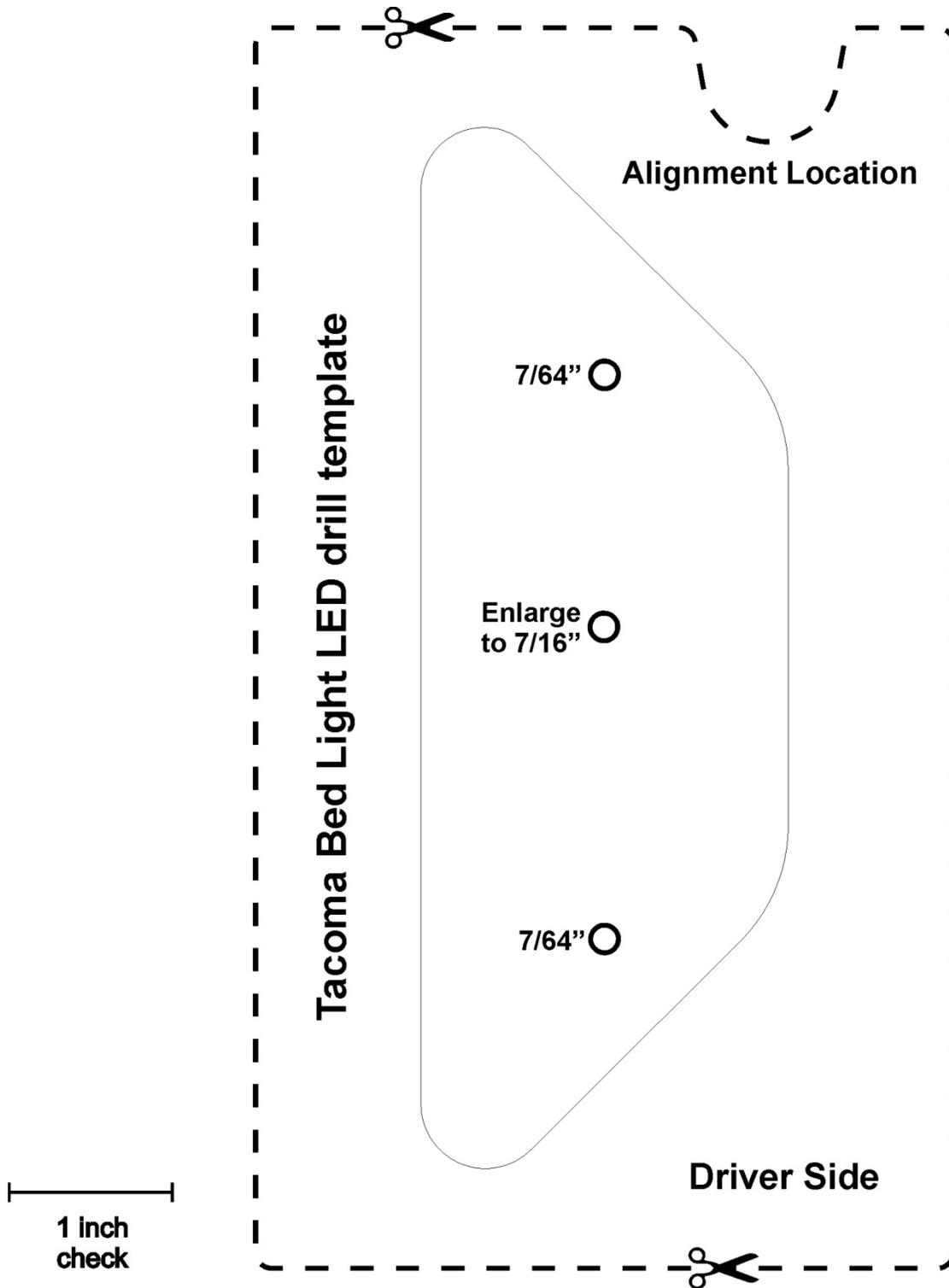
- Door is opened
- Key FOB is used to unlock doors

Verify Interior Dome Light switch function – all 3 positions.

Open the driver side door. The LED Bed Light should be on.

Close the driver side (and passenger) door. Lock the vehicle. The LED Bed Light should turn off.

**DIO Installation Template
Driver Side**



**DIO Installation Template
Passenger Side**

