

Toyota
Preparation

Tacoma

2016

LED Bed Lights

Part Number: 00016-34089



Accessory Code: BU1000

Conflicts

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Kit Contents

Item #	Quantity Req.	Description
1	1	Hardware Kit
2	1	Driver's Side LED assembly
3	1	Passenger Side LED assembly
4	1	Wire-harness

Hardware Kit Contents

Item #	Quantity Req.	Description
1	4	Phillips head stainless steel screws
2	20	Wire Ties
3	2	22-18 AWG T-Tap (Red)
4	1	12-10 AWG T-Tap (Yellow)
5	2	Connector Body
6	2	Connector Retention Clips

Recommended Tools

Safety Tools	
Safety Glasses/Gloves	Required
Special Tools	
PIO Drill Location Template	Driver Side Part #: TA6-34089-DR Passenger Side Part #: TA6-34089-PA
Installation Tools	
Screw Gun/Drill	Assembly installation
7/16" Uni-bit/Drill Bit with Drill Stop (2")	Wire harness routing hole through the bed-wall
7/64" Drill Bit with Drill Stop (2")	Pilot hole for LED retention screws
Ratchet/Socket	10 mm
No. 2 Phillips head screw driver	Panel removal installation
Utility Knife	Grommet access
Pliers	T-tap installation
3M Body Sealant	Grommet seal
Vacuum	Vacuum Source

Recommended Sequence of Application

Item #	Accessory

General Applicability

2016 Tacoma All

*Mandatory

Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.

OPERATOR SAFETY: Use caution to avoid risk of injury.

CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

SAFETY TORQUE: This mark indicates that torque is related to safety.

SPECIAL NOTE: Installation Sequences

After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

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.

NOTE: Wait a minimum of 90 seconds for the SRS system to power down before proceeding.

- b) Remove driver side front threshold plate, driver side rear threshold plate (not pictured) and kick panel cover. (Fig. 1-2)

- c) **For ACCESS CAB model ONLY:** Remove the driver side lower dash panel. (Fig. 1-3)

(Fig. 1-1)



(Fig. 1-2)



(Fig. 1-3) **ACCESS CAB Model**



2) Bed light LED installation



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

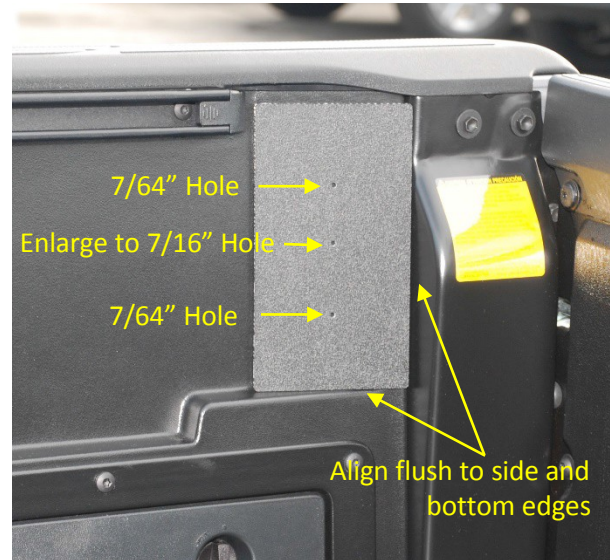
DIO ONLY: Cut out the paper templates located on the last two pages of this document by cutting along the dashed lines. After locating the position in step i (below), use tape to secure the template as needed. (Fig. 2-2)



- i) Locate and align Drill Template position near the tailgate as shown, Ensure the back and bottom edges are 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)

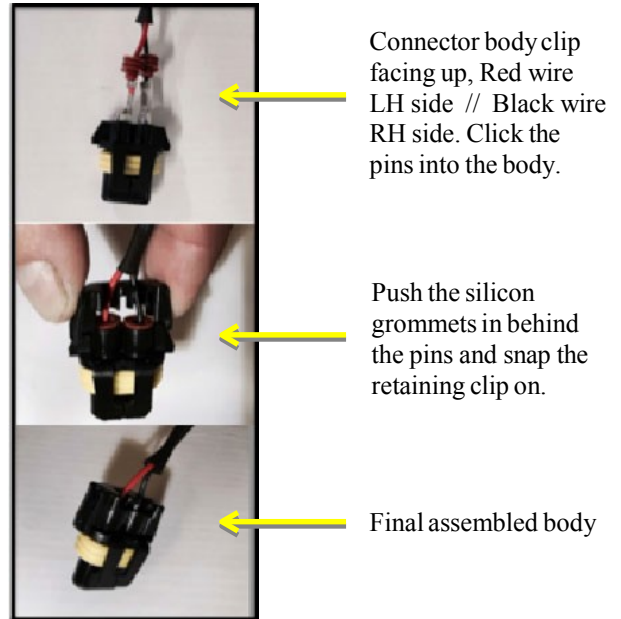


(Fig. 2-3)



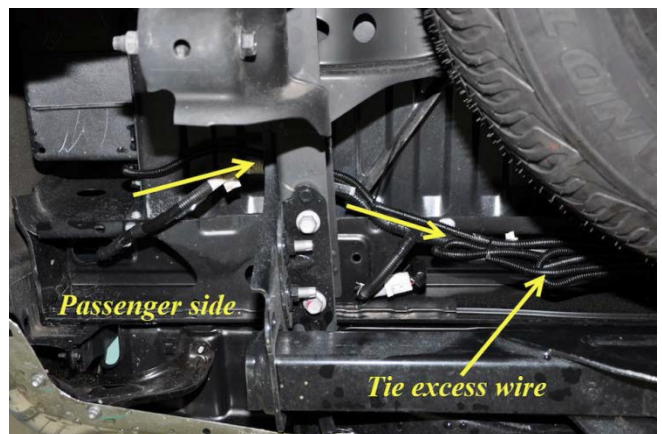
- c) Insert the Bed Light LED assembly harness pins into the connector body and snap on the connector retaining clip. (Fig. 2-4)

(Fig. 2-4)



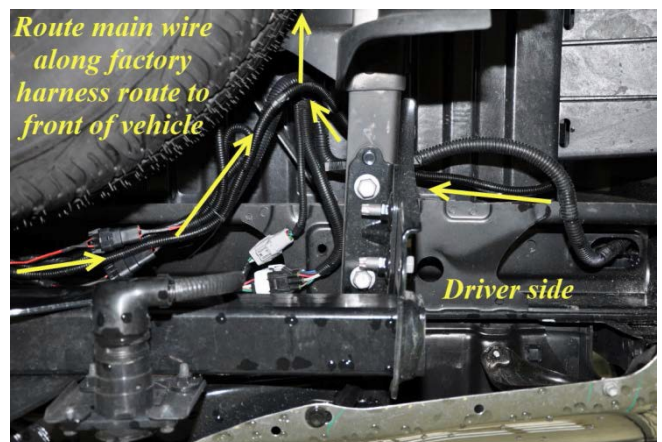
- d) Route the bed light LED assembly wire harness along the factory wire harness toward the driver side location of the rear of the bed near the spare tire tying excess wire as illustrated. (Fig. 2-5)

(Fig. 2-5)



- e) Connect the water-proof connectors on the bed light LED assembly wire harnesses to the bed light LED wire harness going to the cab of the vehicle in step 3a. Wire tie the bed light LED harness to OE harnesses. (Fig. 2-6)

(Fig. 2-6)



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)

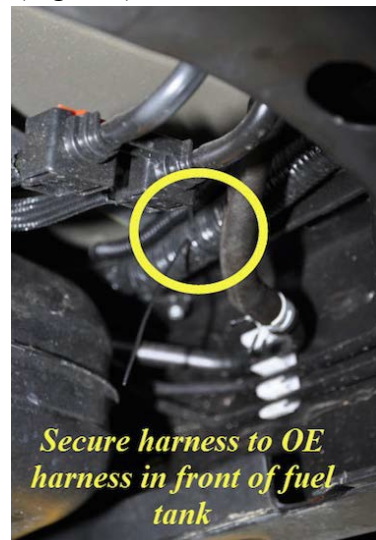
(Fig. 3-2)



ii) Route the bed light LED wire harness along the OE factory harness and attach it using wire ties.

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

(Fig. 3-3)



b) Lift the driver side floor carpet behind the front seat to expose the body grommet.(Fig. 3-4)

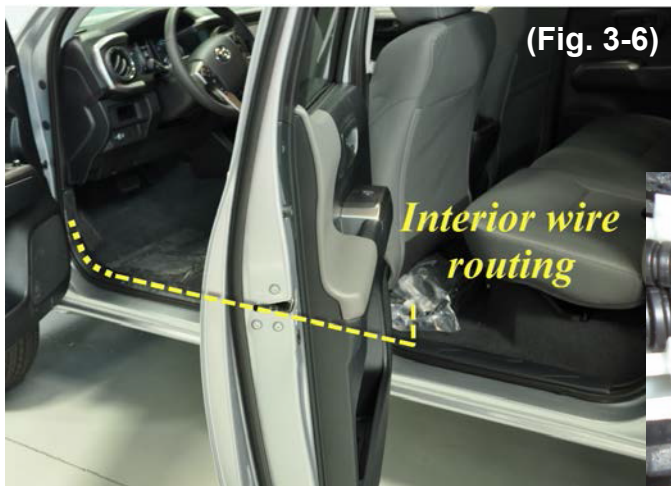
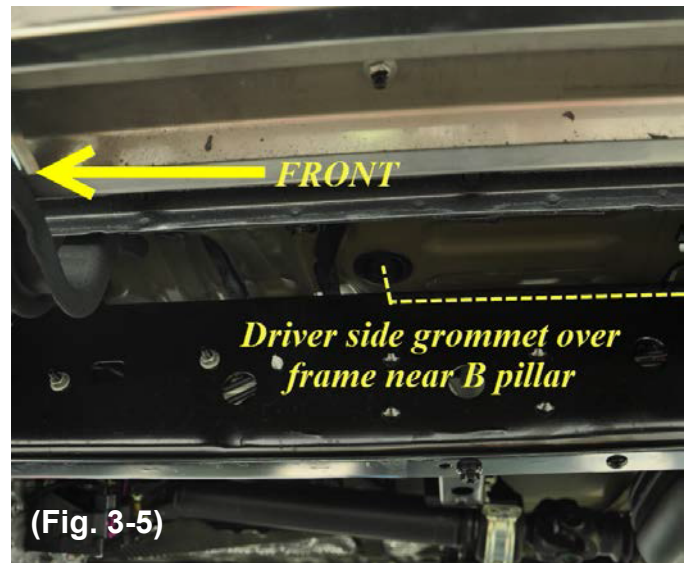
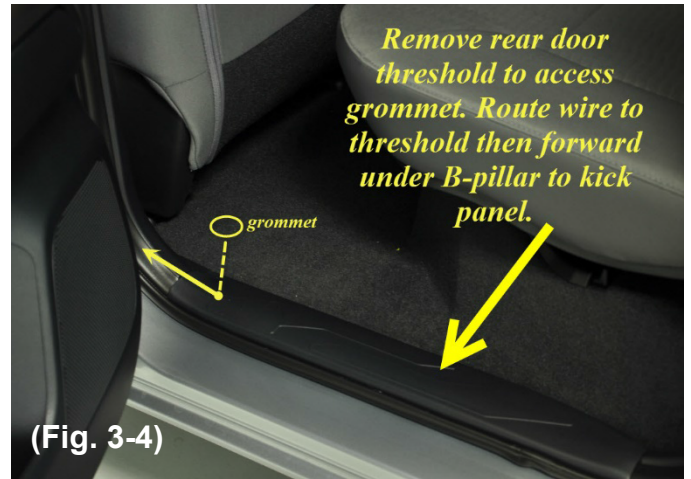


- i) Cut a slit in the body grommet from the underside of the vehicle (Fig 3-5).
- ii) Insert the Bed Light LED wire harness, red blade connector side, through the underside of the grommet.
- iii) Pull wire harness an adequate length to reach the driver side junction (approx. 4-5'), into the passenger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



iv) Seal the Bed Light LED harness hole in the grommet with 3M Body Sealant.

c) Route the wire harness from grommet to driver rear threshold plate, then forward under B-pillar kick panel, driver front threshold plate and into the driver side kick panel to the fuse panel. Secure to OE Factory harness with wire ties. (Fig. 3-6)



Caution: Avoid airbag harness on driver side threshold as shown in photo below.





d) Install T-taps

FOR D-CAB MODELS:

- i) Find IE1 White connector located behind lower driver side kick panel cover. Attach a RED 22-18 AWG T-Tap to the LIGHT GREEN wire (pin # 14). (Fig. 3-7, 3-8, 3-9, 3-10, 3-11)



- (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.

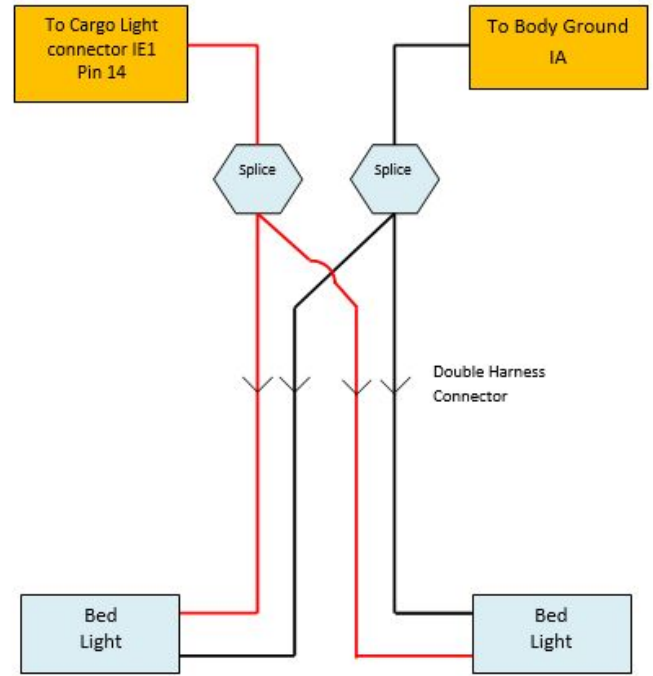
- ii) Find Instrument panel ground point IA on driver kick panel. Attach a YELLOW 12-10 AWG T-Tap to the factory ground point (WHITE wire with BLACK TRACE) on kick panel wall. (Fig. 3-7, 3-8, 3-12)



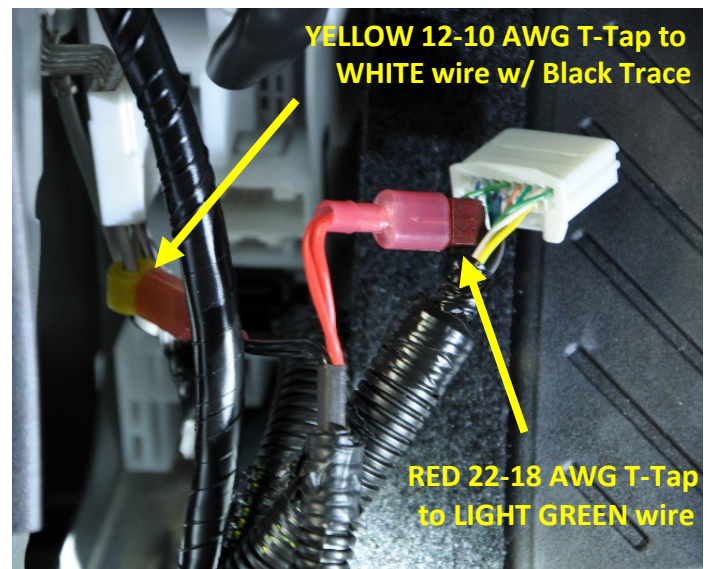
- (1) Use pliers to ensure the T-Tap is snapped in correctly.
- (2) Plug the BLACK wire from the Bed Light LED wire harness into the T-Tap.

(Fig. 3-7)

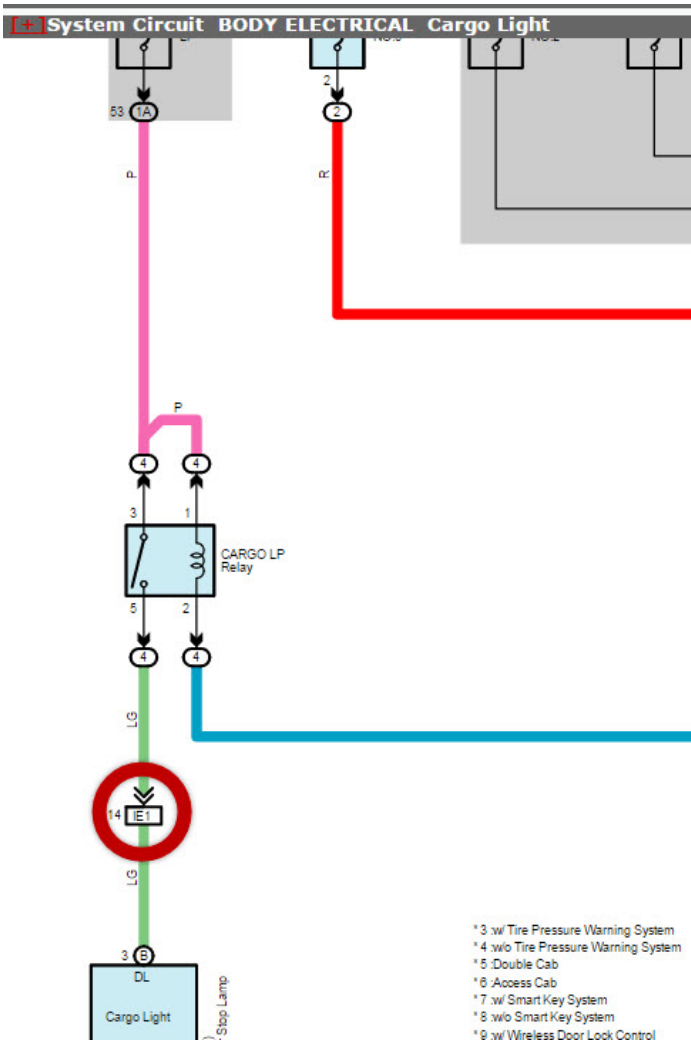
Double Cab Block Diagram



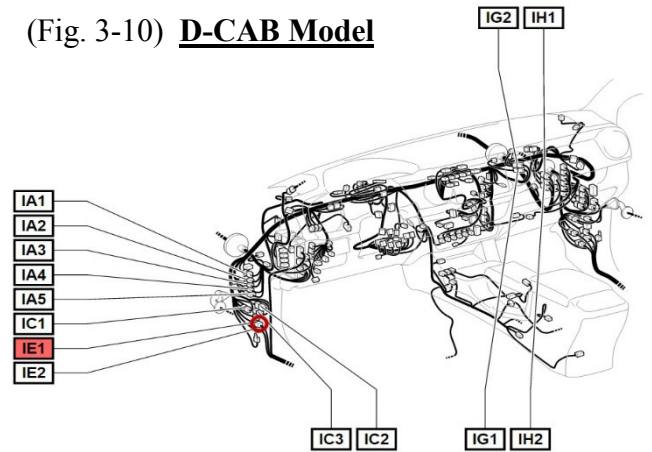
(Fig. 3-8) **D-CAB Model**



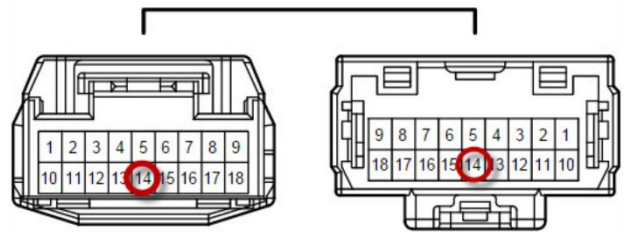
(Fig. 3-9) **D-CAB Model**



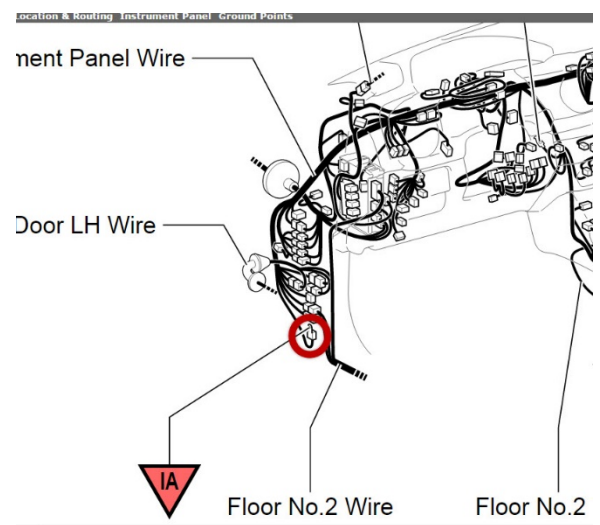
(Fig. 3-10) **D-CAB Model**



(Fig. 3-11) **D-CAB Model**



(Fig. 3-12) **D-CAB Model**



FOR ACCESS-CAB MODELS:

- i) Find IA2 BLACK connector located behind the lower driver kick panel cover. Attach a
- ii) YELLOW 12 AWG T-Tap to the WHITE wire (pin # 11). (Fig. 3-13, 3-14, 3-15, 3-16)



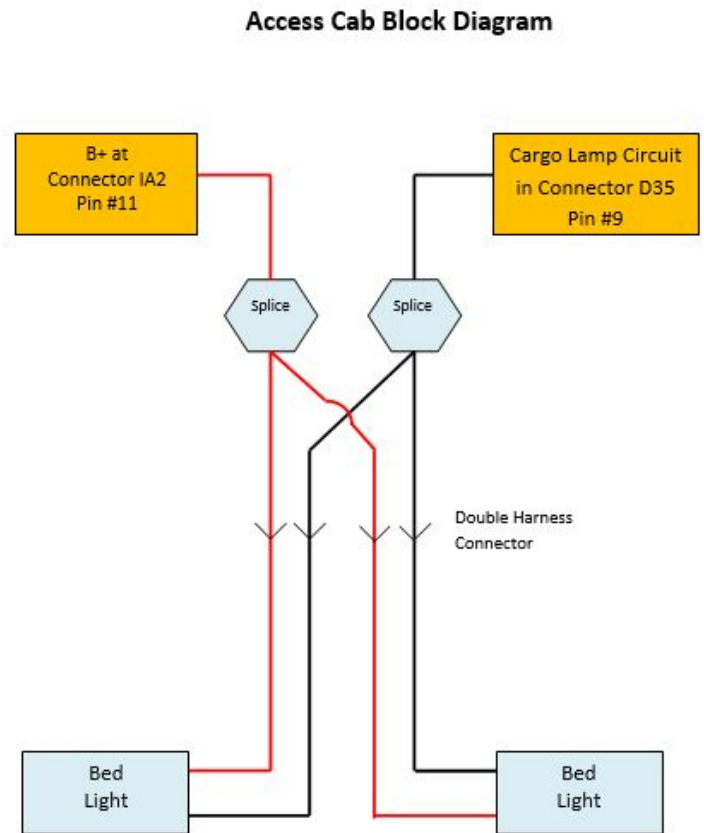
- (1) Use pliers to ensure the T-tap is snapped in correctly.
- (2) Plug the RED wire from the Bed Light LED wire harness into the T-tap.

- iii) Find D35 BLACK connector clipped into the back of trim panel to the left of the driver's steering wheel. Attach a RED 18-22 AWG T-Tap to the PURPLE wire (PIN # 9). (Fig. 3-17, 3-18, 3-19)

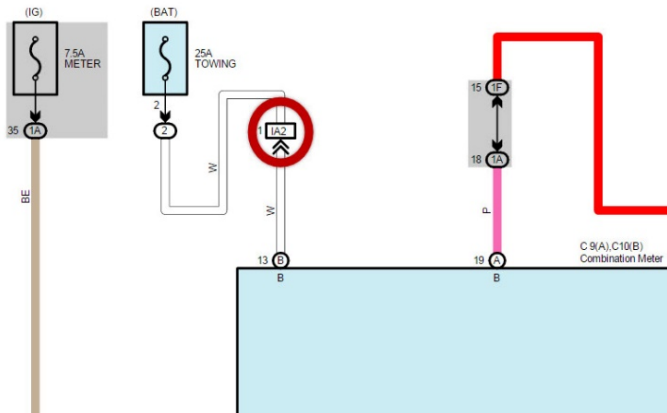


- (1) Use pliers to ensure the T-Tap is snapped in correctly.
- (2) Plug the BLACK wire from the Bed Light LED wire harness into the T-Tap.

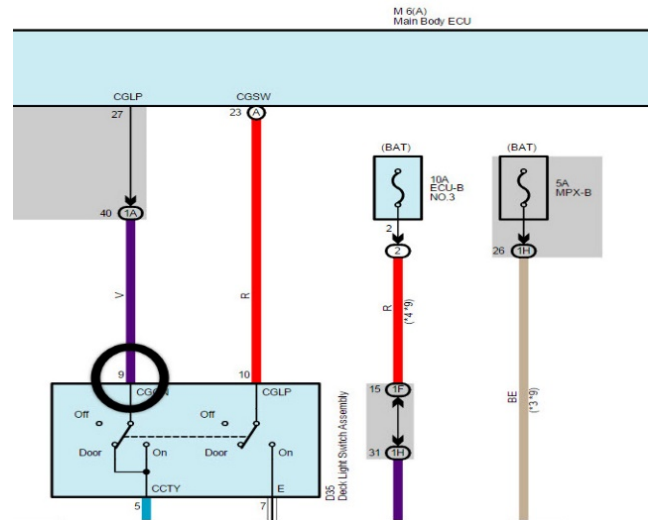
(Fig. 3-13)



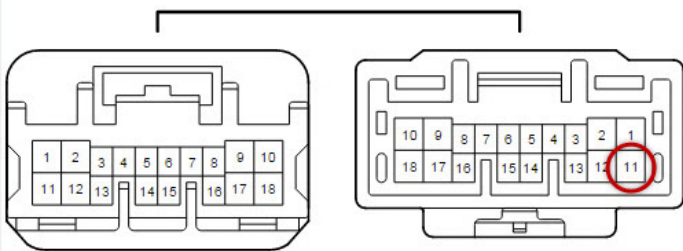
(Fig. 3-14) **ACCESS CAB Model**



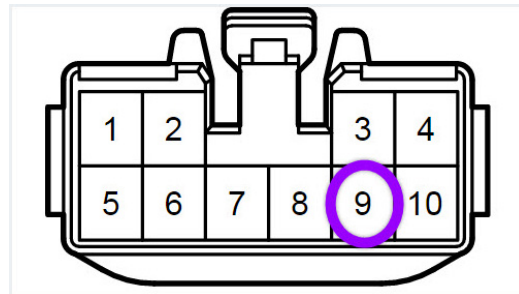
(Fig. 3-17) **ACCESS CAB Model**



(Fig. 3-15) **ACCESS CAB Model**



(Fig. 3-18) **ACCESS CAB Model**



(Fig. 3-16) **ACCESS CAB Model**



(Fig. 3-19) **ACCESS CAB Model**



- e) Secure wire harness along the kick panel using wire ties as needed.
(Fig. 3-20)

- f) 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. 3-21)

(Fig. 3-20)



4) Function Check

- a) Reconnect the vehicle's negative battery cable.

- i) Position the negative battery cable at the original factory position.



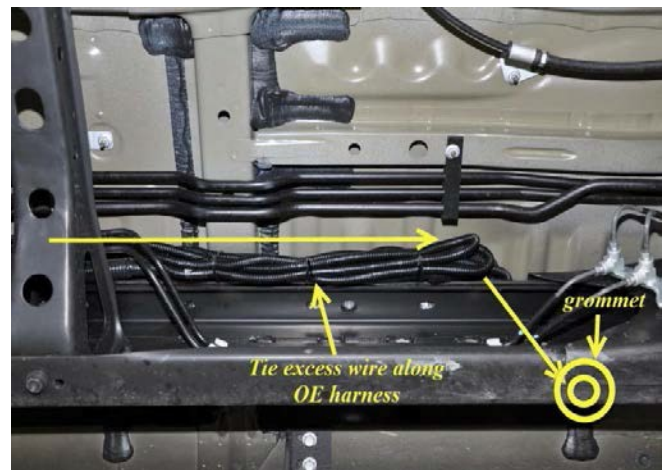
- ii) Tighten the nut with 48 in lbs of torque.



- 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.

(Fig. 3-21)





5) Vehicle Reassembly

- a) Trim all excess from wire ties.
- b) Reinstall the driver side carpet and kick panel.
- c) Reinstall the driver side threshold plates.
- 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
- Cargo Light is illuminated (D-CAB models only)

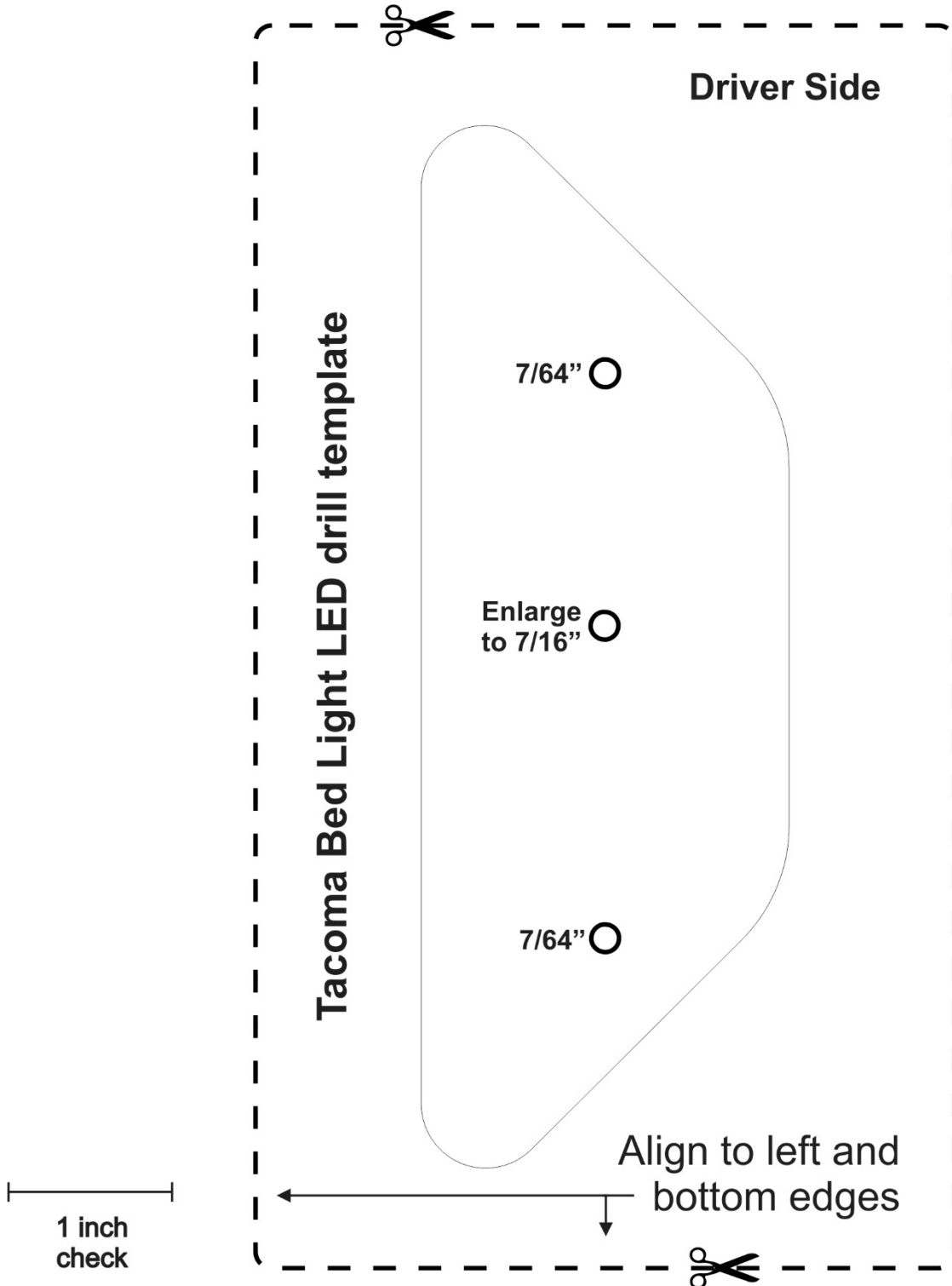
Verify Interior Dome Light switch function – all 3 positions.

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.

D-CAB MODELS ONLY:
Verify exterior Cargo Light switch function – all 3 positions.

**DIO Installation Template
Driver Side**



**DIO Installation Template
Passenger Side**

