

TOYOTA

TACOMA

2016-2017

LED Bed Light Kit

Part Number: TBL-016S



Kit Contents

Item #	Quantity Req'd.	Description
1	2	LED Bed Light Harness (10')
2	2	LED Bed Light Harness (5')
3	1	"Y" Harness Extension (11')
4	1	"Y" Harness Extension (6')
5	1	Cabin Wire Harness
6	25	Wire Ties
7	4	Wire Connectors
8	1	In-Line Fuse
9	1	Red T-Tap

General Applicability

Short Bed (5') Models Only

Conflicts

None

Recommended Tools

Safety Tools	
Safety Glasses	
Installation Tools	
Masking Tape	
Fish Wire Tool	
10mm Socket/Wrench	
Phillips Screw Driver	
Side Cutters	
Nylon Panel Tool Removal	
Torque Wrench	48 in-lb
Special Chemicals	
Alcohol Based Cleaner/Wipes	
Silicon Sealant	

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
	CRITICAL PROCESS: Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation
	TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for this process
	REVISION MARK: This mark highlights a change in installation with respect to previous issue.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure quality installation.

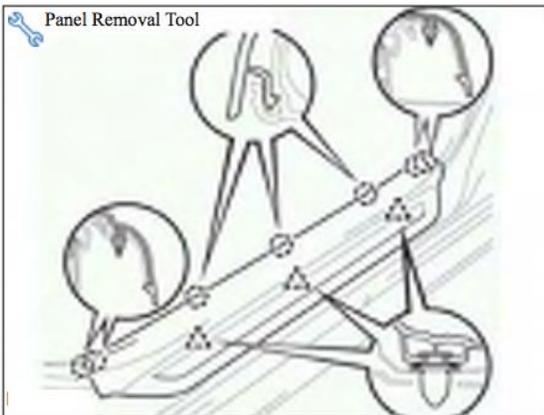
Preparation

 Remove negative battery cable



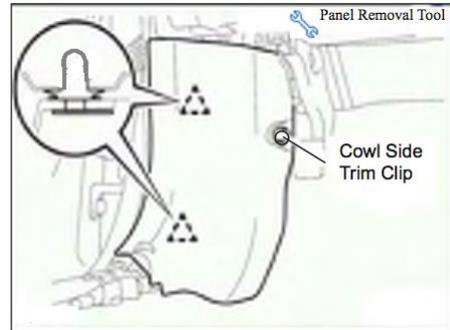
In-Cabin Procedures

1. Disengage and remove the front driver's side door sill panel using a Nylon Panel Removal Tool. (pic 1)



Picture 1

2. Remove the cowl side trim panel from the driver's side of the dash. (pic 2)



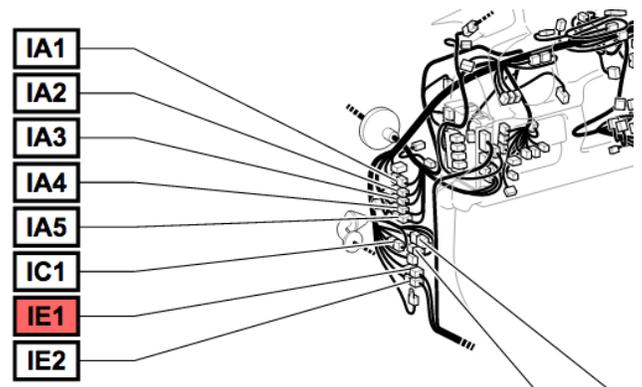
Picture 2

3. Remove the lower dash panel from the driver's side by removing the two Phillips screws. (pic 3)

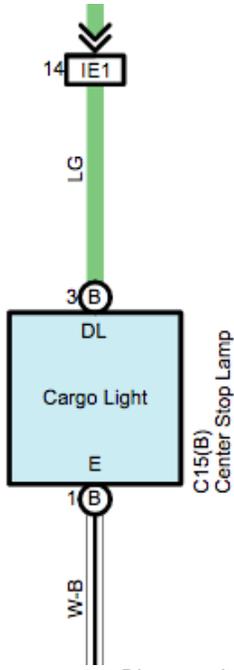


Picture 3

4. At Connector IE1, Pin 14, Green wire, install a Red T-Tap. Connector IE1 is located within the driver's side kick panel. (pics 4, 4 A, 4B & 4C)



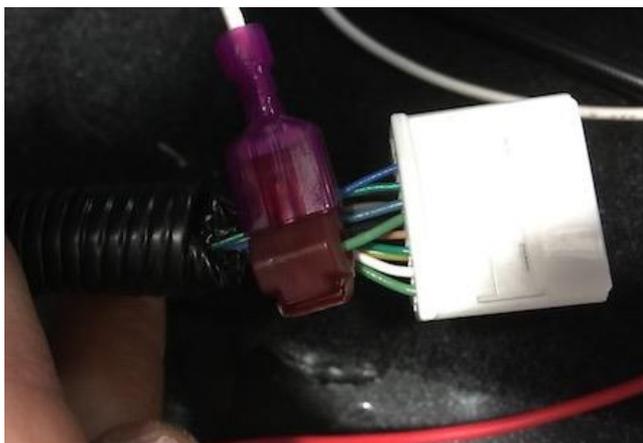
Picture 4



Picture 4A

Component Detail	
Name	Floor No.2 Wire and Instrument Panel Wire (Left Kick Panel)
Code	IE1
Part Number	90980-12C01/90980-12C02
Color	White
Spec	

Picture 4B



Picture 4C

5. Insert the male spade connector from the supplied In-Line Fuse (pic 5) into the Red T-Tap installed in step 4. Then, insert the male spade connector from the supplied Cabin Wire Harness (pic 5A) into the female connector of the In-Line Fuse.



Picture 5



Picture 5A

6. Fasten the Ring Connector from the Cabin Wire Harness to the 10mm ground bolt located within the driver's side kick panel. (pic 6)



Picture 6

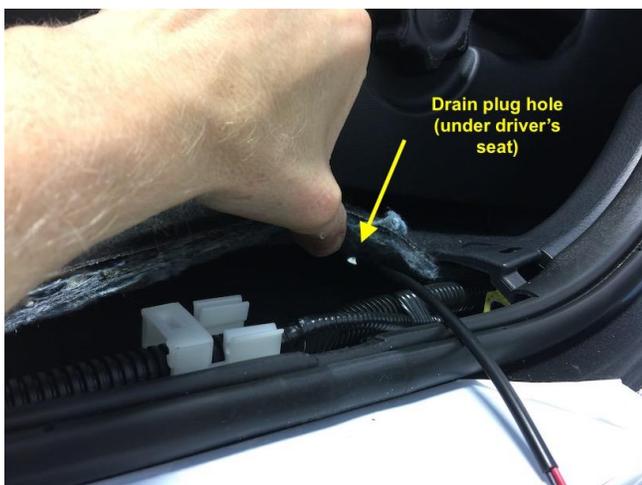
- Route the Cabin Wire Harness down through the driver's side kick panel, then under the driver's side door sill plate area. Secure with wire ties as needed. (pic 7)



Picture 7

- Locate and remove the rubber Access Grommet located in the floor under the left rear area of the driver seat, lift carpet to access. Route the Cabin Wire Harness down through the hole (pic 8).

NOTE: Do not discard the Access Grommet.



Picture 8

Truck Bed Procedures

- If the vehicle is equipped with a tonneau cover or bed cap, it must be removed to allow for access to the bed rail caps. (pic 9)



Picture 9

- Remove the plastic bed rail caps from both the driver and passenger sides, by pulling up from the inside of the caps. (pics 10 & 10A)



Picture 10



Picture 10A

11. Locate one of the supplied 10' LED Bed Light Harnesses (pic.11).



Picture 11

12. Begin installing the 10' LED Bed Light Harness at the driver's side rear of the bed. Route the wire harness through the gap between the sheet metal and the bed.



Use caution to avoid damaging the pins.

(pics 12, 12A & 12B)



Picture 12

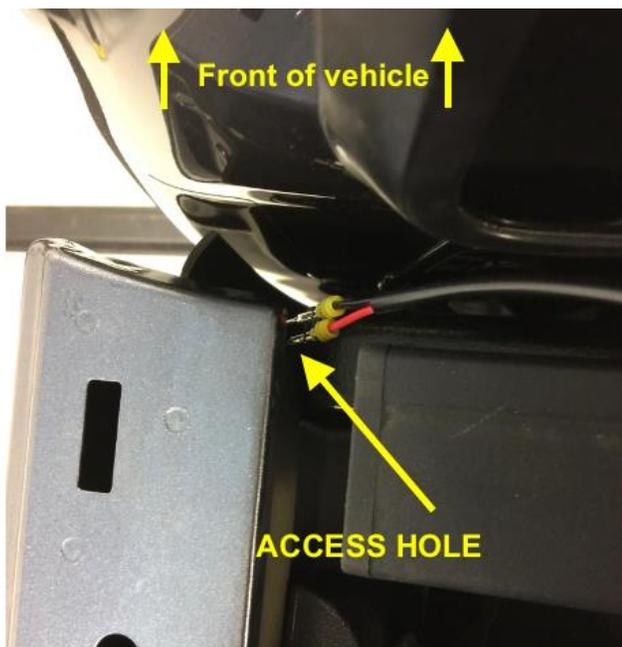


Picture 12A



Picture 12B

13. Route the wire harness down toward the factory tail light wire harness, between the exterior sheet metal and the liner of the bed.
14. Position the LED Light in the desired location under the bed rail. Using Masking Tape, temporarily attach the LED Light in place. Do NOT remove the 3M tape strip at this time.
15. Locate one of the supplied 5' LED Bed Light Harnesses.
16. Begin installing the 5' LED Bed Light Harness at the driver's side front of the bed. Route the wire harness through the access hole and down between the exterior sheet metal and the liner of the bed. **Use caution to avoid damaging the pins.** (pic 13 & 13A)



Picture 13



Picture 13A

17. Position the LED Light in the desired location under the bed rail. Using Masking Tape, temporarily attach the LED Light in place. Do NOT remove the 3M tape strip at this time.



The installation procedure for the passenger side of the bed is slightly different from the driver's side. The 10' LED Bed Light Harness will be installed in the passenger front and the 5' LED Bed Light Harness will be installed in the passenger rear of the bed.

18. Repeat steps 11 through 17 for the passenger side of the truck bed.

Under Vehicle Procedures

19. From under the passenger side of the vehicle, locate the 10' LED Bed Light Wire Harness in front of the rear wheel.

20. Using a fish tool, route the 10' LED Bed Light Harness toward the rear of the vehicle, on top of the wheel well. (pic 14)



Picture 14

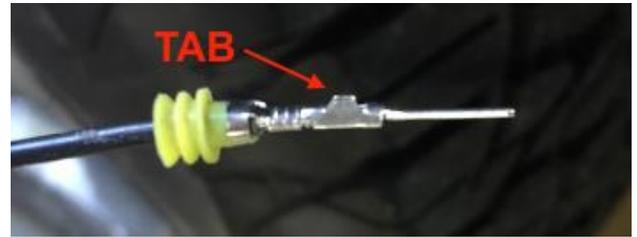
21. Insert one of the supplied Wire Connectors (pic 15) onto each of the two sets of pin connectors on both the 10' and 5' LED Bed Light Harness.



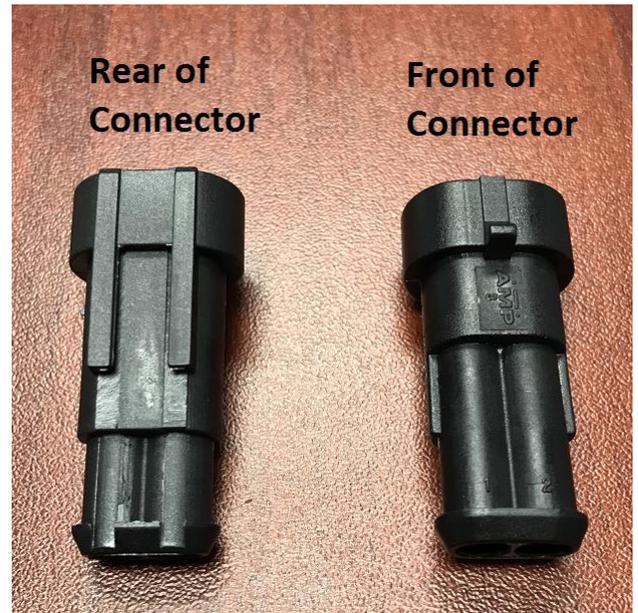
IMPORTANT: The Positive (red) wire must be inserted in slot #1 and the negative (black) wire in slot #2, as numbered on the Wire Connector. When pushing the pins into the Wire Connector, make sure that the pin tab faces to the rear (not the front) of the of the Wire Connector. The pins should lock into place. (pics 15, 15A, 15B & 15C)



Picture 15



Picture 15A



Picture 15B



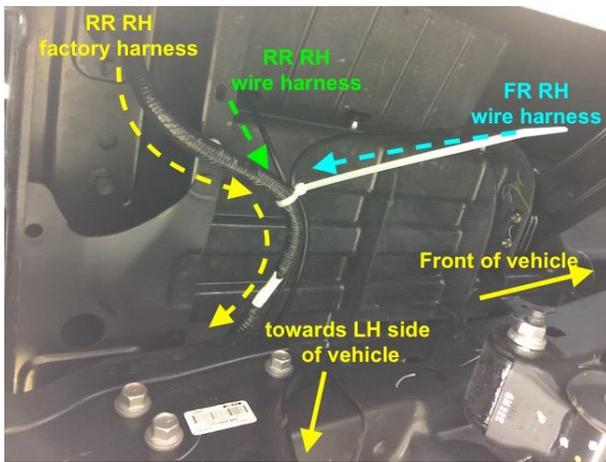
Picture 15C

22. Repeat steps 19 through 21 on the driver's side of the vehicle.
23. Begin installing the supplied 11' Y Harness Extension (pic 16) to the two LED Bed Light Harnesses on the rear, passenger side of the vehicle. Be sure the connectors click to ensure a locked connection.

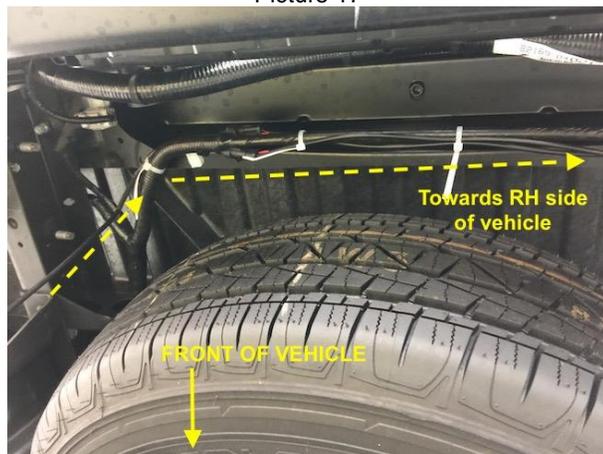


Picture 16

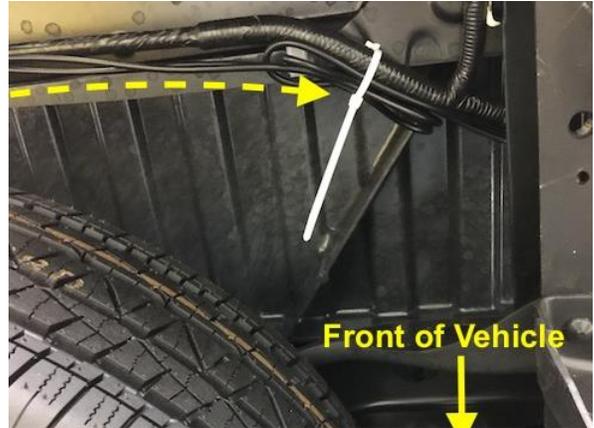
24. Route the 11' Y Harness Extension toward the driver's side of the vehicle, following the factory wire harness. Secure with supplied Wire Ties as needed. (pics 17, 17A & 17B)



Picture 17



Picture 17A



Picture 17B

25. Begin installing the supplied 6' Y Harness Extension to the two LED Bed Light Harnesses on the rear, driver's side of the vehicle. Be sure the connectors click to ensure a locked connection.
26. Route both the passenger and driver's side Y Harness Extensions towards the front of the vehicle, following the factory wire harness. Secure with supplied Wire Ties as needed. (pics 18, 18A, 18B & 18C).



Picture 18



Picture 18A



Picture 18B



Picture 18C

27. From under the vehicle, locate the Cabin Wire Harness that was routed down through the drain hole in Step 8.
28. Connect the Cabin Wire Harness to the two Y Harness Extensions.
29. Using Side Cutters, cut a slit in the rubber Access Grommet that was removed in Step 8. (pic 19)



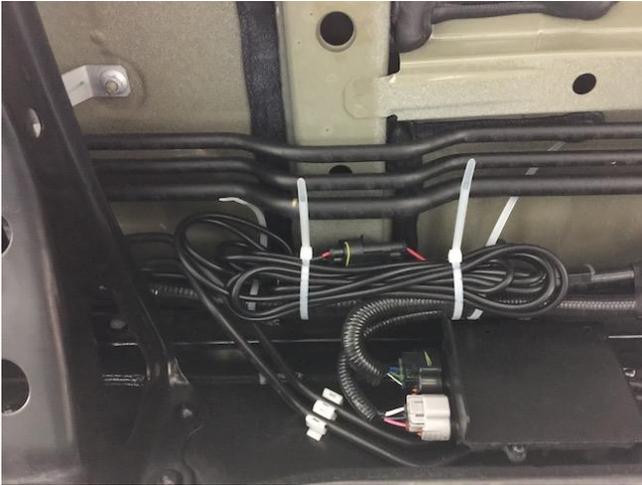
Picture 19

30. Insert the rubber Access Grommet onto the Cabin Wire Harness, then reinsert the grommet into the drain hole and seal with Silicon Sealant. (pic 20)



Picture 20

31. Bundle and secure any excess wire harness with supplied Wire Ties. (pic 21)



Picture 21

32. Remove the masking tape that was used to temporarily hold the four LED Bed Lights in place. Using an alcohol based cleaner or wipe, thoroughly clean the surfaces where the lights will be mounted.
33. Once the surfaces have completely dried, peel the protective film from the double-sided tape of the back of the bed light. Carefully place the bed light in the desired location, then apply pressure for 30 seconds to assure proper adhesion.
34. Reinstall all removed panels.
35. Inspect overall wire harness installation and secure with wire ties as needed.
36. Reinstall negative battery cable and torque to 48 in-lb.

Checklist – these points MUST be checked to ensure quality installation

Check System for Operation

1. The LED Bed Lights will illuminate only when the factory Cargo Light Switch is in the 'ON' position.

Check:

Accessory Functions Checks

- Factory Cargo Light Illuminates.....
- LED Bed Lights Illuminate.....
- All Panels Properly Reinstalled.....
- Battery Terminal Reconnected.....
- Check All Vehicle Switch Functions.....

Look For:

- ON/OFF Properly. Full Illumination.
- ON/OFF Properly. Full Illumination.
- No Gaps. Secured Properly.
- Torque Battery Terminal to 48 in-lb
- ON/OFF Properly. Functioning Properly.