

TOYOTA

Tacoma

2017

Power Tailgate Lock

Part Number: 22238/562; 4
 Accessory Code: VN3222



Conflicts

Note: Xgj kergu'y kj qwr'r qy gt "f qqt "mqemu"

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Power Lock Assembly
2	1	Long Wire Harness
3	1	Short Wire Harness
4	2	Wire Taps
5	25	Cable Ties
6		
7		
8		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		
2		
3		
4		
5		
6		
7		
8		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Recommended Tools

Safety Tools	
Special Tools	
Installation Tools	
T-30 Torx (Star) Bit/Driver	
Torque Wrench	
Pliers	
Small Flat Screwdriver	
11/32" Drill Bit	
10mm Wrench	
Special Chemicals	
VDC Approved Silicon Sealant	

General Applicability







Xgj kergu'y kj "r qy gt "f qqt "mqemu"

Recommended Sequence of Application

Item #	Accessory	
1		
2		
3		

*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.

Note: 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 a quality installation. These guidelines can be found in the “Accessory Installation Practices” documents.

This document covers such items as:-

- * Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- * Safety (eye protection, rechecking torque procedures, etc.).
- * Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- * Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

****Start by removing the negative battery cable from the battery**

Step 1: Remove the T-30 Torx screws that hold the access panel on the inside of the tailgate and remove the access panel.



Step 2: Unclip and remove passenger side latch rod. Do this by rotating the clip off the rod and lifting the rod out of the clip (You may need to use a small screw driver to rotate clip). Lay it to the side.



Step 3: Remove the passenger side mounting bolt with a 10 MM wrench.



Step 4: Mount the power lock inside the tailgate to the passenger side of the handle. One hole in the bracket will align with the mounting bolt remove in the last step. The other hole will straddle a plastic post on the handle. Insert the handle mounting bolt into the hole and tighten.

The factory locking arm will lie between the two tabs on the power lock slide bar.

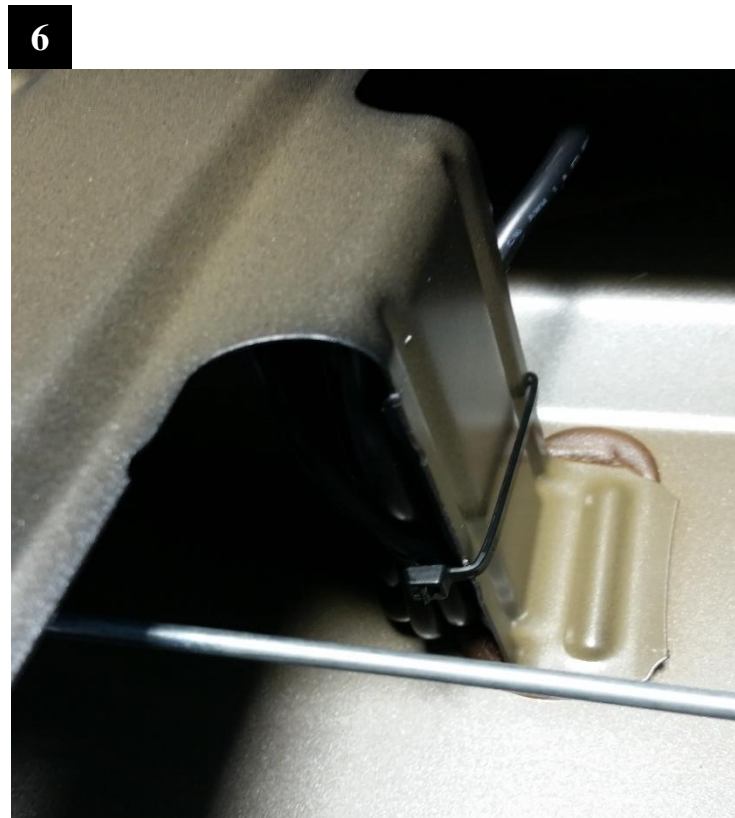
NOTE: The actuator obscures the mounting bolt, you will have to start the mounting bolt by hand and tighten it using a wrench.



Step 5: Locate the 2 plastic wire holders underneath the tailgate where the factory wire harness runs from under the truck bed and into the bottom of the tailgate. Drill a **11/32"** hole through both plastic wire holders. From underneath the truck bed insert the bullet connectors through the hole now drilled through the plastic wire holder located at the bottom of the truck bed. Then insert them through the hole now drilled in the plastic wire holder at the bottom of the tailgate. Pull the bullet connectors and all the wire from the short harness up through the tailgate leaving only about 2 inches of wire and the Delphi plug exposed. This will make it easy to unplug for tailgate removal.

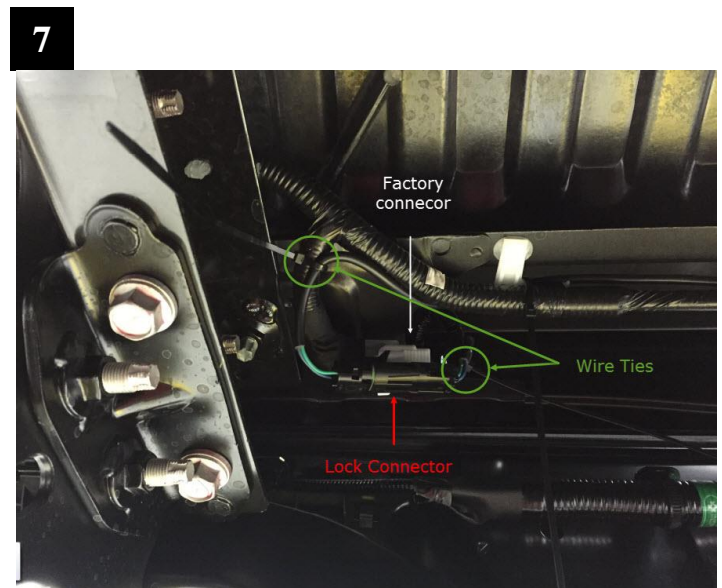


Step 6: Connect the bullet connectors from the short cable to the actuator on the power lock maintaining green to green and blue to blue. Roll up and secure extra wire with a cable tie to the center tailgate support. Ensure that the wire is tied not to get entangled with any of moving handle or power lock parts.



Step 7: Plug the waterproof connector of the long wire harness into the waterproof connector of the short harness. Secure the long wire harness under the truck bed maintaining easy access to the Delphi plug for tailgate removal. Also make sure the tailgate can be open and closed without pinching any part of the connector or the wire.

NOTE: Do not secure any part of the short harness to the actual truck or tailgate won't be able to be removed.

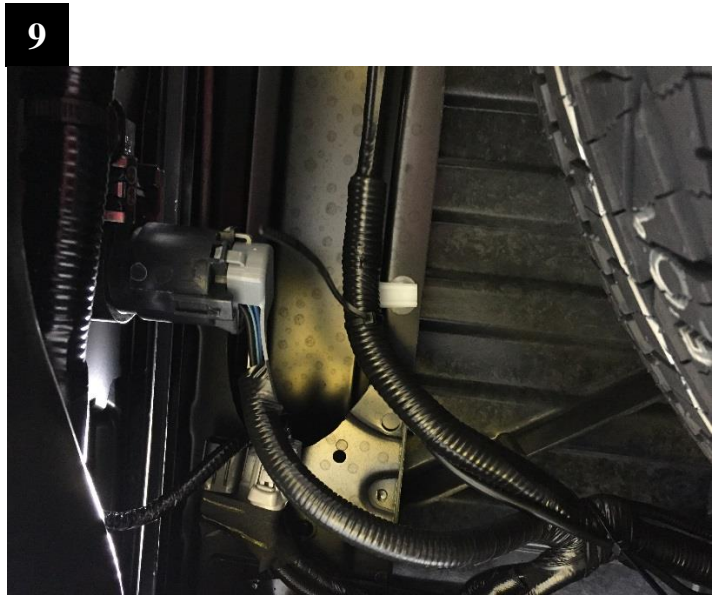


NOTE: When running the wiring cables make sure to secure the wire so it does not touch the exhaust or get pinched.

Step 8: Run the Long Wiring Cable along the main factory wiring harness that runs across the back of the truck towards the driver side. Secure it about every 16 inches with the cable ties.



Step 9: Continue to run the Long Wiring Cable along the main factory wiring harness from the rear driver side of the truck up to the rubber grommet located under the front driver seat. Secure it about every 16 inches with the cable ties.



Step 10: Remove the driver side step plate. Start by gently pulling up at the end towards the front and continue to pull up working towards the rear of the truck. Be careful not to break the snap clips while pulling up. Remove the driver side kick panel. Start by removing the nut that hold the kick panel on. Gently pull the panel towards you carefully not to break any of the plastic.

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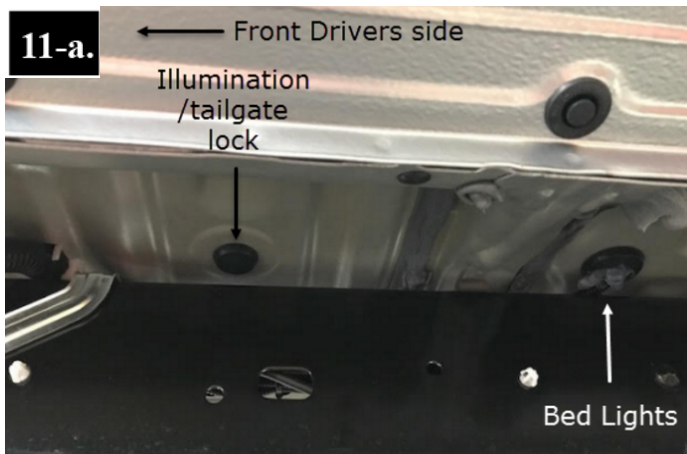


Step 11: Locate the rubber grommet underneath the driver seat. Cut a small slit in the rubber grommet. Snake the rest of the long wiring cable up through the slit, and run the wire from under the carpet and into the step sill area. Fig. 11a.



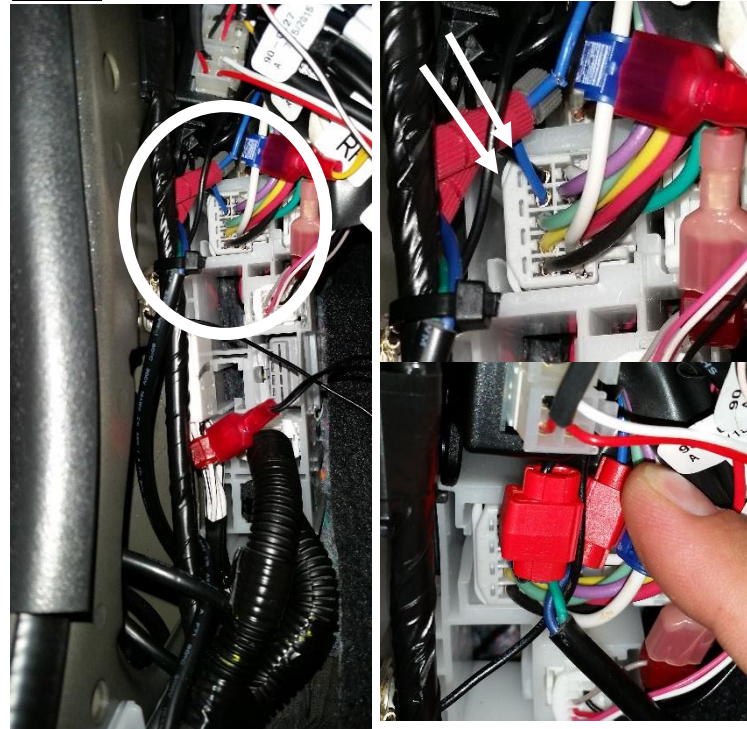
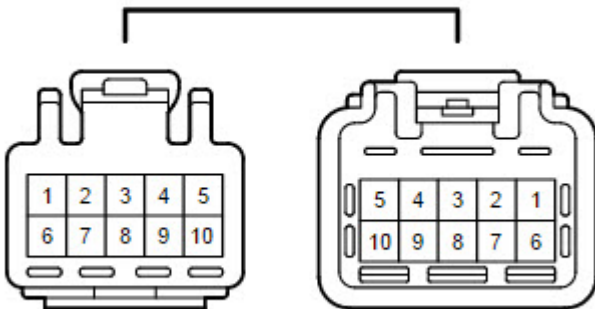
Run the wire along the step sill (Fig. 11b.) area up into the driver side kick panel securing under factory white plastic wire holders.

11-b.



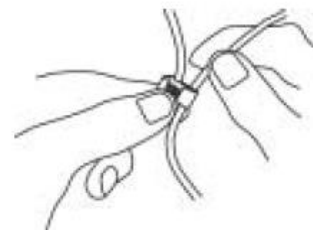
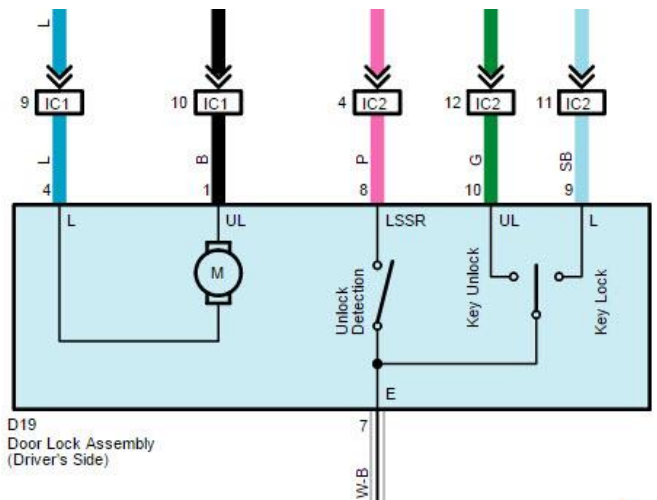
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Step 12: Locate the IC Connector. Locate the black wire at pin 10 and use the splice connector to attach the green wire from the long wiring cable. Locate the blue wire at pin 9 and use the splice connector to attach the blue wire from the long wiring cable.



To use quick splice connectors:

1. Snap the connector channel onto un-stripped factory wire.
2. Insert un-stripped wire from the long wire harness into the connector inside channel till it hits the stop.
3. Use pliers to cinch down the metal connector tab. Do this by holding the pliers perpendicular to the wires and squeeze the metal tab down into the plastic connector till it is flush with the top of the plastic insulator.
4. Close the plastic hinged top cover until latched.



Step 13: The power lock should lock and unlock the tailgate with the remote or door switch.

NOTE: The tailgate still can be locked and unlock with the factory key.

Troubleshooting Note: If the power lock functions opposite of the doors locks, switch the wires at the bullet connectors. Connect the blue to green and green to blue.

Troubleshooting Note: If the lock has no power hold the quick splicer and give the wire going into a little twist. This will help ensure that the quick splice cuts through the plastic shielding on the wire.

Step 13: If the power lock functions properly reinstall the passenger side kick panel and tailgate access panel (reverse Step 10).

After all panels, covers and components have been reinstalled, that were removed, test thoroughly all mechanical and electrical components disconnected and or removed from the vehicle during the installation of this accessory.

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Reconnect Negative Battery Terminal and torque to 48"lbs.

BLOCK DIAGRAM:

