



Southeast Toyota Distributors, LLC Accessory Installation Instructions

2021 Tacoma

Power Tailgate Lock

Year & Model:	2021 Tacoma
Part Number:	00016-34351
Accessory Code:	TL1020; TL1000
PIO / DIO:	PIO /DIO
Business Partner:	J64

Conflicts

Note: Vehicles with Keyless Entry

General Applicability

Fits Models:

Note: 2021 Tacoma Models without Keyless Entry

Additional Items Required for Installation

Item #	Description:
1.	N/A

Sequence of Application

Item #	Accessory:
1.	N/A

SPECIAL NOTE: Installation Sequences

After TMNA 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. When possible, install T-Taps 1" away from connector.

Recommended Tools

Safety Tools	
Safety Glasses	
Installation Tools	
Screw Gun	Assembly Installation
10 mm socket	Negative Battery Terminal Handle Mounting Bolt
T30 "TORX" socket	Tailgate Service Hole Cover
10 mm wrench	Handle Mounting Bolt
Nylon Removal Tool	Kick Panels, Wire Harness Protector
Pliers	T-Tap installation
Torque Wrench	Battery Terminal 48 in-lbs Handle Mounting Bolt 49 in-lbs
Masking Tape	
Special Chemicals	
VDC Approved Cleaner	

Legends

	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.
	REGULATORY MARK: This mark indicates that the component is related to regulatory compliance.
	VIDEO: This image indicates a video to show a installation procedure, PIO Only.

Document Version History

Version	Date	Description of Changes Made
Ver.1	09/30/2020	Document Published as 2021

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Kit/Hardware Bag Contents:

Item #	Quantity	Description
1.	1	Power Lock Assembly
2.	1	Long Wire Harness
3.	1	Short Wire Harness
4.	1	Bolt
5.	1	In-line Fuse Holder
6.	1	Customer Care Card
7.	2	3M (Blue) Wire T-taps
8.	25	Cable Ties
9.	2	Wire Harness Grommets

Parts for Installation:

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” document.

This document covers such items as:

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

Item #	Quantity	Description	Part Number
1.	1	Power Lock Assembly	00016-34351

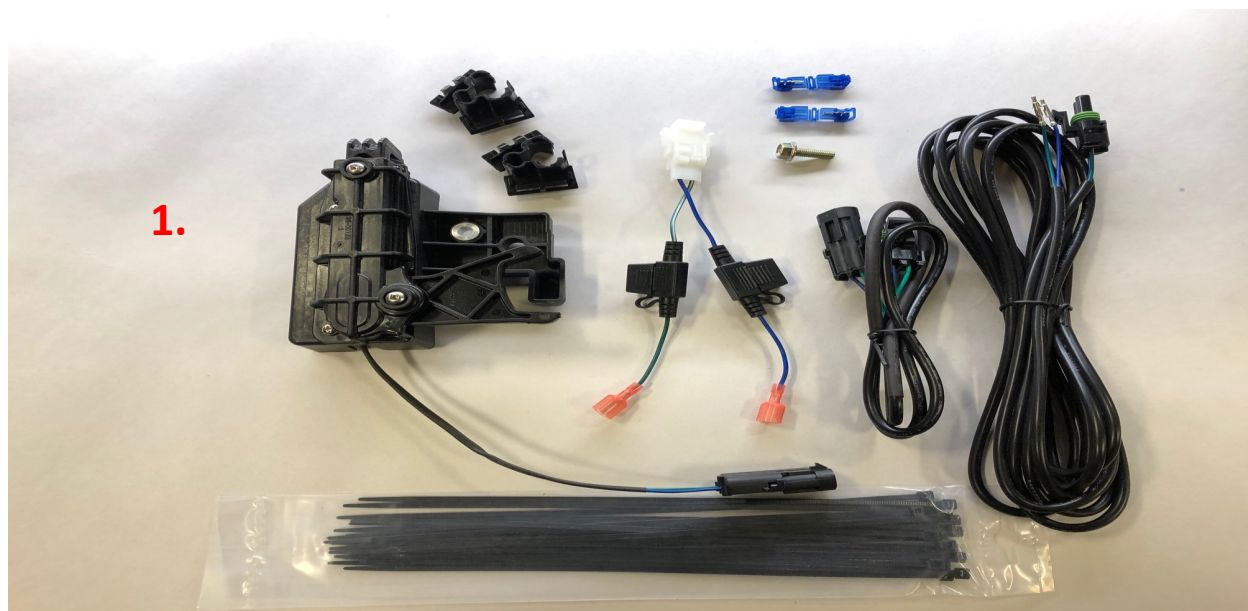
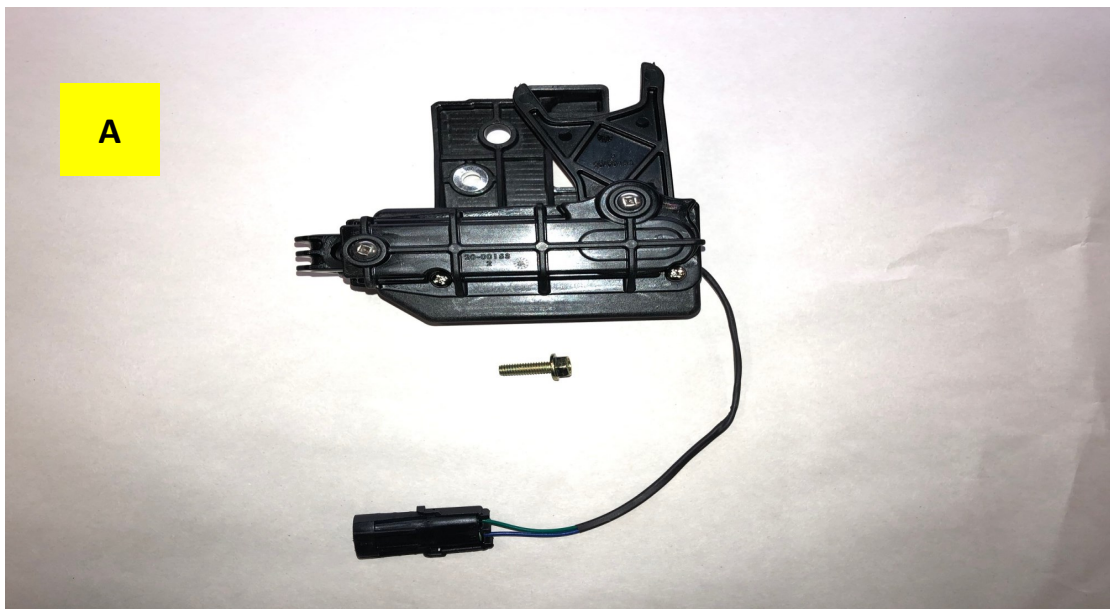


Image Key	Part Number	Description	Warranty Time	Labor Op. Code
A	00016-34351-01	Tailgate Power Lock	0.5	ALO001
B	00016-34092-01	Tailgate Power Lock	0.5	ALO001

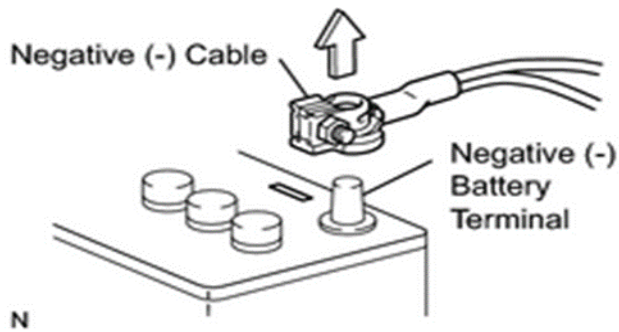
Labor times include consideration for diagnosis and Administration time

If you are a dealer located outside of the Southeast Region, please contact SET Accessory Warranty Department at (888) 851-2722 or email Accessory.Warranty@SEToyota.com for claim payment instructions.

Image:



NOTE: When installing part number 00016-34092-01 (Image B) you **must reverse** the wires when plugging in. Blue wire of tailgate harness to the green wire of the actuator and Green wire of tailgate harness to the blue wire of the actuator.



Remove Negative Battery Cable:

DO NOT TOUCH THE POSITIVE TERMINAL

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.



Fig. A

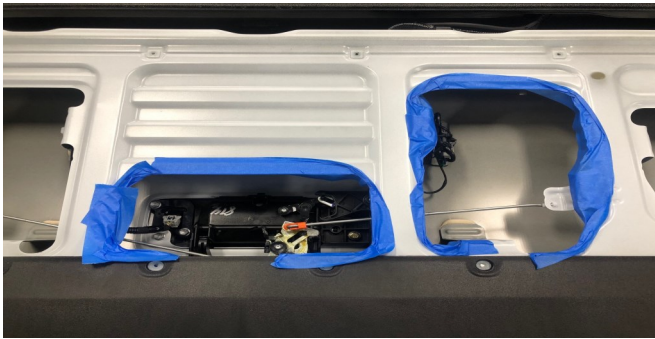
1. Remove the T-30 Torx screws that hold the access panel on the inside of the tailgate and remove the access panel. Fig. A



Fig. B.

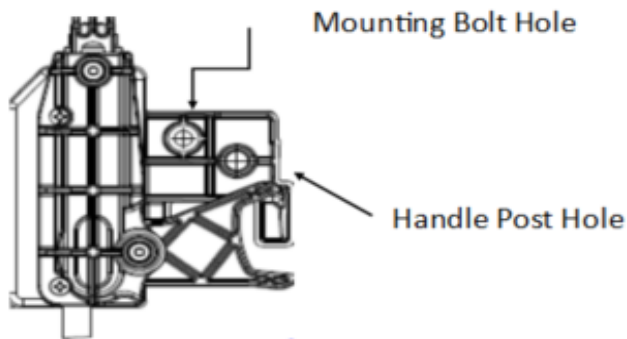


2. Remove the 10mm mounting bolt from the passenger side and throw away. Fig. B.

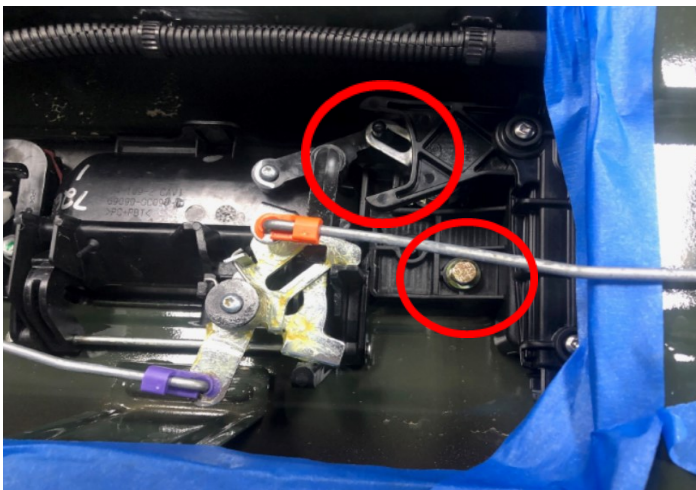
Fig. 1**Installation Process:**

 **Note:** Tape is Optional

- A. Insert power lock assembly through second hole of sheet metal taking caution not to damage lock rod clip. (Fig. 1) Place the power lock assembly on to the handle. One hole in the bracket will align with the mounting bolt removed in the previous step. The other hole will surround a plastic post on the handle (Fig. 2).

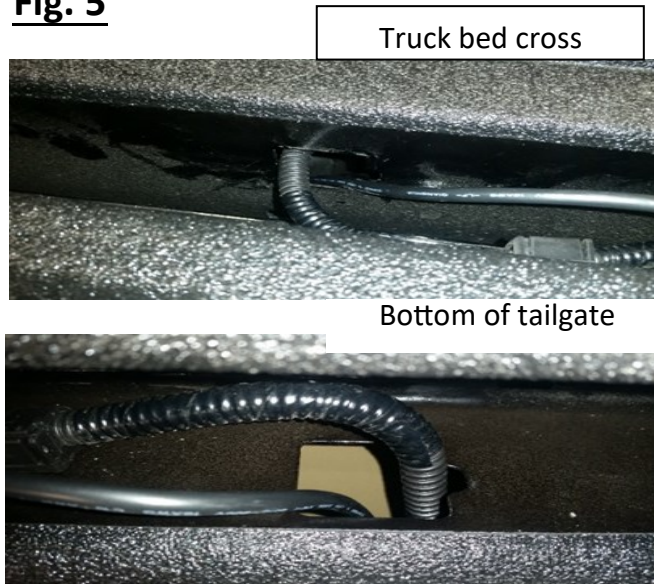
Fig. 2

- B. Place the provided mounting bolt in the mounting hole of the power lock bracket. (Fig. 3) and verify that the post on the lock pawl protrudes through the slot on the power lock lever arm.

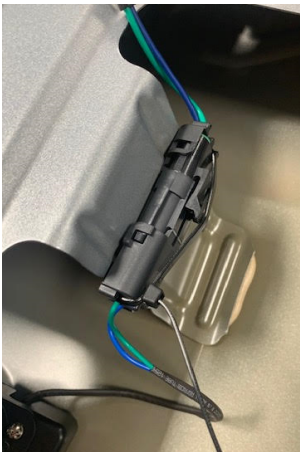
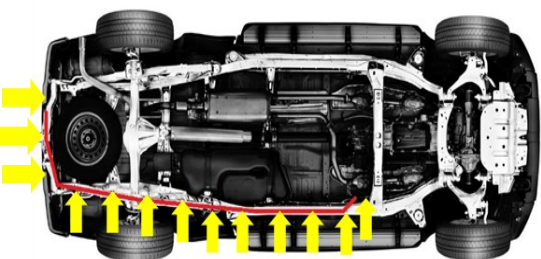
Fig. 3

- C. Tighten mounting bolt with 10mm torque wrench (49 in-lbs).

Verify latch rods and clips are still engaged.

Fig. 4**Fig. 5****Fig. 6**

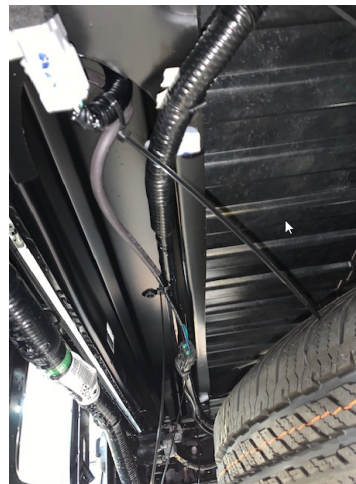
- D. Remove back up wire harness grommet from the cross member of truck bed by pushing in the tabs on the grommet as well as bottom of tailgate using a nylon pry tool. Fig. 4. Throw away grommets once removed
- E. Route the tailgate wiring harness through the back-up camera access hole on both the tailgate as well as the truck bed cross member using a wire puller. The Female connector end should be in tailgate. Pull it through one of the central cut-outs of the longitudinal stiffening panels of the tailgate. Route the power lock wire harness below the OEM camera harness. **NOTE: It is best to pull all the wire from the short harness up through the tailgate leaving only about 2 inches of wire and the Delphi plug exposed behind the truck bed cross member. This will make it easy to unplug for tailgate removal.**
- F. Using provided wire harness grommets around both camera harness and short wire harness aligning the ends of the black shrink tube with both wire harness grommets (one at each end of the black shrink tube). Snap wire harness grommets into access holes on both tailgate and truck bed cross member. **NOTE: When inserting tailgate grommet ensure the locking tab is in the same position as the removed OE grommet.** Secure wire harness to camera cable using (2) cable ties making sure to keep power lock wire harness on the OEM camera harness (Fig. 6). Rotate head of zip tie so it faces down.

Fig. 7a**Fig. 7b****Fig. 8a****8b.****Fig. 9a****Fig. 9b**

- G.** Connect the Female Connector end of the short wire harness to the Male Connector End of actuator on the power lock. 5 ft. Bed: Roll up and bundle extra wire with a (1) cable tie. With (1) cable tie secure bundle to OEM tailgate wiring harness. Rotate head of zip tie so it faces down. (Fig. 7a & b)

6 ft. Bed: Tie wrap actuator connector to tailgate metal support as shown with (1) tie wrap, fig. 8a. Slide harness rubber sleeve down harness to line up with tailgate pass through grommet. Fig. 8b.

- H.** Connect the delphi end of the long wire harness to the delphi end 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. Tie wrap on both sides of connector Fig. 8c.

**8c.**

- I.** Run the long wiring cable down under the bed of the truck and along the driver side frame rail, securing it about every 16 inches with the cable ties. Run the wire up to the driver side lower corner of the fire wall. Fig. 9a, b.



Note: Make sure to secure the wire so it does not touch the exhaust or get pinched



Fig. 10

J. Lock harness at tailgate harness. Fig.10



Fig. 11

K. Harness on driver side of spare tire. Fig.11



Fig. 12

L. Harness ran along frame rail above exhaust. Fig.12



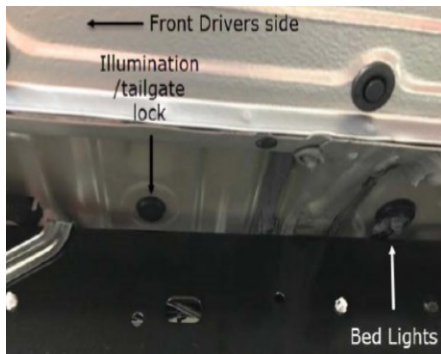
Fig. 13

M. Continuing along frame. Fig. 13



Fig. 14

N. Ending at grommet under cab. Fig.14

Fig. 15

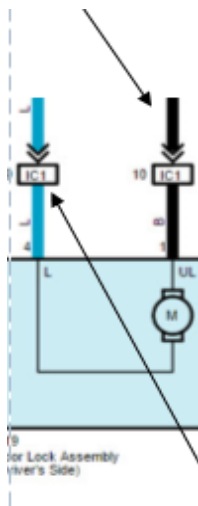
- O. Locate the rubber grommet for the main factory wiring harness in the lower driver side corner of the fire wall. Cut a small slit in the upper part of the grommet. Snake all available long wiring cable through the slit into the cab of the truck. Seal with VPC approved sealant. Fig. 15

Fig. 16

P.



- Remove the driver side kick panel. Start by removing the nut that holds the kick panel on. Gently pull the panel toward you, be careful not to break any of the plastic. Fig. 16

Fig. 17

Q.

- Locate the IC1 connector (Fig. 17). Locate the BLACK wire at pin 10 and connect the BLUE wire of the in-line fuse harness using the provided T-Tap. Locate the BLUE wire at pin 9 and connect the GREEN/WHITE STRIPE wire of the in-line fuse harness to the wire using the provided T-Tap.

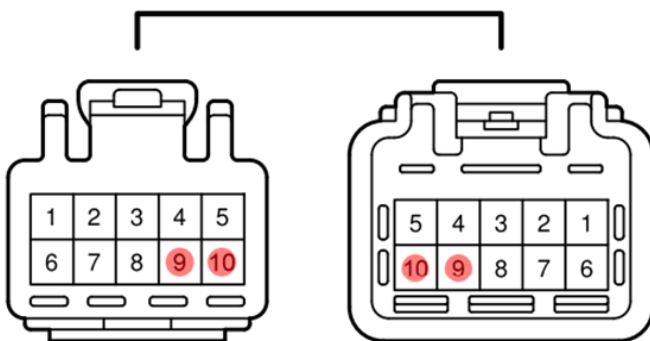
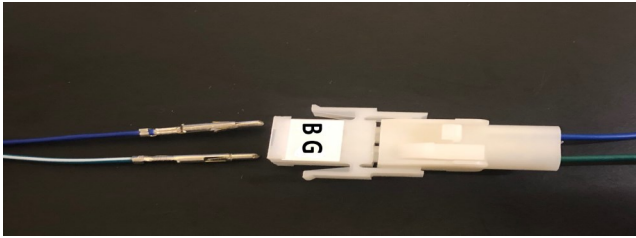


Fig. 18**Fig. 19****Fig. 20**

- R. Locate male connector housing on fuse harness and insert pins from long wire harness as shown in Fig. 18.

Note: Blue wire from long wire harness should connect to location B and green with white stripe wire should connect to location G.

- S. Bundle in-line fuse harnesses and secure with 2 cable ties to OEM wire harness (Fig. 19)

****Note**** When securing harness do not secure to airbag harness (harness identified by yellow connector)



Note: Re-install negative battery terminal and torque to 48in-lbs.

- T. The power lock should lock and unlock the tailgate whenever the driver door is locked or unlocked with the remote or door switch. When unlocking with the remote press the unlock button "Once".

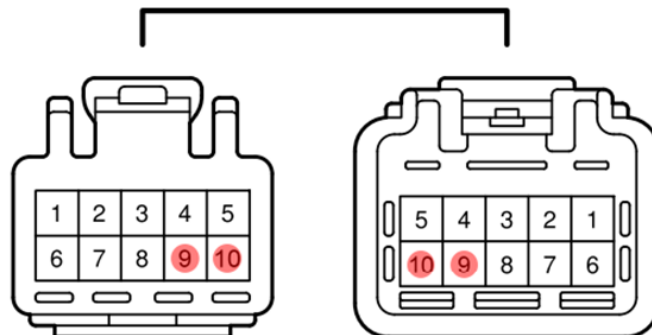
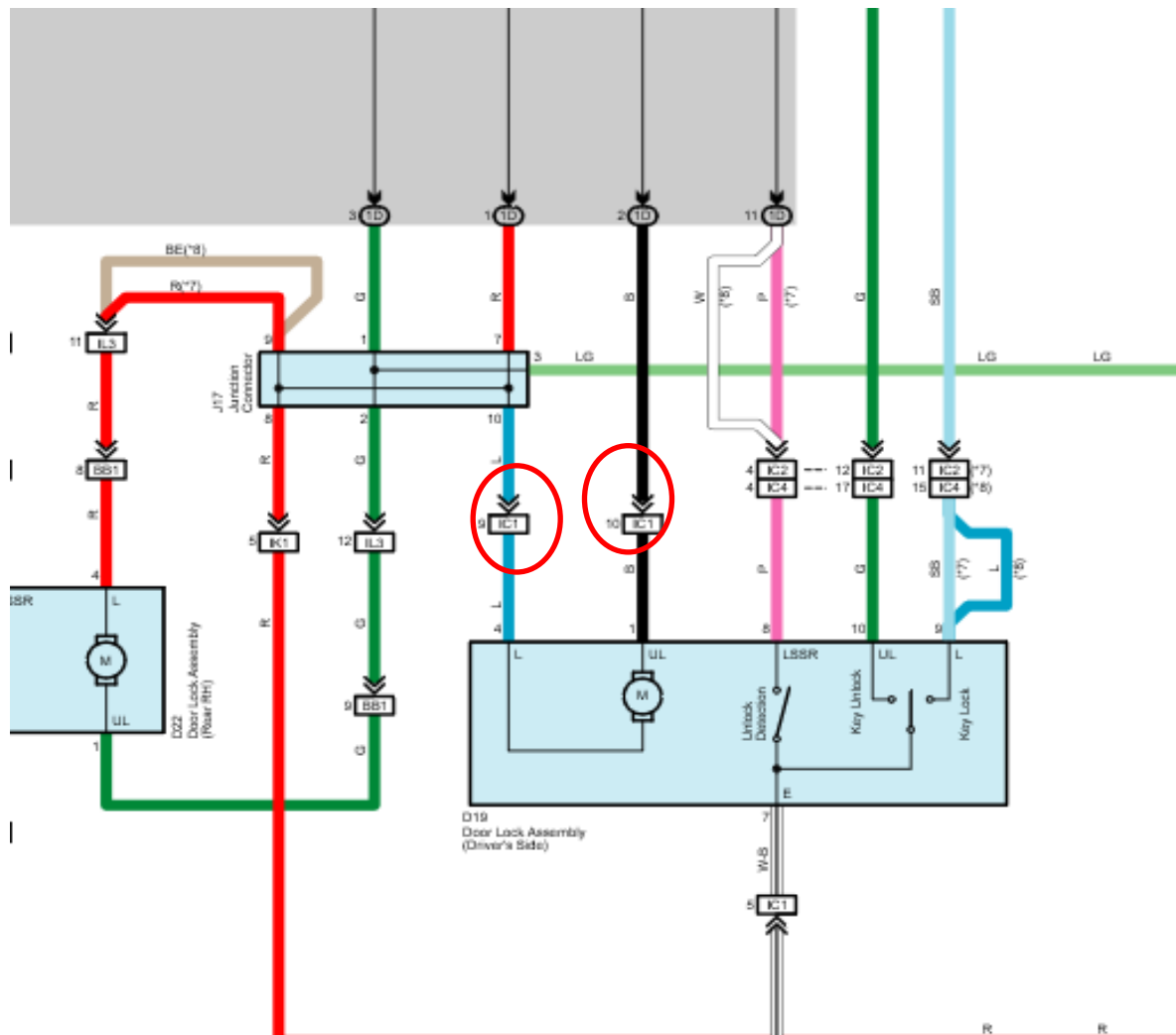


Note: The tailgate still can be locked and unlocked with the factory key.

- U. If the power lock functions properly reinstall all removed panels.

- V. (DIO, Only) Print Warranty Statement and place in the glove box.

Wiring Diagram & Connectors:



Vehicle Function Checks:

Checklist - these points MUST be checked to ensure a quality installation.

Check: After Installation:

- ✓ Lock properly installed
- ✓ Remote
- ✓ Panels
- ✓ Warranty Statement

Look For:

- Locking and unlocking of tailgate.
- Properly working.
- Panels properly reinstalled.
- Place SET Warranty in glove box, DIO Only.



LIMITED WARRANTY – SOUTHEAST TOYOTA

SOUTHEAST TOYOTA DISTRIBUTORS, LLC ("we," "our" and "us") provides the following limited warranty on our accessories, excluding tires, ("Accessories" or "Accessory") installed on a Toyota. This limited warranty is not provided by and does not bind or provide benefit to the vehicle dealer, the manufacturer, or Toyota Motor Sales, U.S.A., Inc. This limited warranty does not apply to tires; please consult the tire manufacturer and/or its materials accompanying the vehicle for any warranty terms concerning tires. This limited warranty also does not apply to ToyoGuard Exterior Paint Sealant and ToyoGuard Interior Protector; please consult the ToyoGuard Limited Warranty Certificate for the warranty terms concerning those products.

SCOPE OF LIMITED WARRANTY:

A. Protection:

- i. Accessories Installed by Southeast Toyota Distributors, LLC on a new Toyota vehicle. We warrant that, for a period of 36 months or 36,000 miles, whichever occurs first, we will repair or replace (includes labor), free of charge, any defect in such an Accessory due to faulty material or workmanship, or, at our option, provide a full refund of the purchase price of the Accessory. The warranty period begins on the vehicle's In-Service Date, which is the first date the new vehicle is either delivered to an ultimate purchaser, leased, or used as a company car or demonstrator. Accessories installed by Southeast Toyota Distributors, LLC are identified on the vehicle's window sticker (Monroney Label).
- ii. Accessories Installed by a Toyota Dealer on a Toyota vehicle. We warrant that, for 12 months, regardless of mileage, from the date such an Accessory was installed on the vehicle or the remainder of the Toyota new vehicle warranty, whichever is longer, we will repair or replace (includes labor), free of charge, any defect in the Accessory due to faulty material or workmanship, or, at our option, provide a full refund of the purchase price of the Accessory. For a new vehicle, the warranty period begins on the vehicle's In-Service Date, which is the first date the new vehicle is either delivered to an ultimate purchaser, leased, or used as a company car or demonstrator.
- iii. Accessories purchased from a Toyota Dealer but not installed by the Toyota Dealer. We warrant that, for a period of 12 months, regardless of mileage, from the date the accessory was purchased, we will repair or replace (does not include labor), free of charge, any defect in the Accessory due to faulty material or workmanship, or, at our option, provide a full refund of the purchase price of the Accessory.

B. Limitation of Warranty. This limited warranty does not apply to, and we will not repair, replace, or reimburse you for: (1) wheel balancing and wheel alignments, except for one wheel balancing or alignment during the first 12 months or 12,000 miles, whichever occurs first, from the vehicle's In-Service Date, as defined above, (2) abrasions or dents, whatever their cause, and any failure or damage resulting directly or indirectly from accidents, collisions, impacts from foreign objects, fire, theft, larceny, explosion, malicious mischief, vandalism, civil commotion, riots, war, or any other similar causes, (3) any failure or damage resulting directly or indirectly from lightning, windstorms, hail, water, floods, subfreezing temperatures, airborne chemicals, tree sap, dust, salt, and any other environmental conditions or similar causes, (4) any failure or damage caused by: (a) a failure of any part, other than the Accessory, (b) any misuse, abuse, improper towing, negligence or lack of maintenance of the vehicle or Accessory, (c) the alteration, modification or repair of the Accessory by anyone other than persons expressly authorized by us to perform such alteration, modification or repair, or (d) the use of the vehicle for commercial purposes, competitive driving or racing, (5) any failure or damage, if the Accessory has not been installed according to instructions, (6) any failure or damage occurring outside of Canada, the United States of America, its territories or possessions, (7) except to the extent required by the state whose laws govern this limited warranty, any consequential, secondary, or unreasonable costs that may be suffered as a result of the need to repair or replace the Accessory, including without limitation any loss of use of the vehicle, road service, towing, storage charges, inconvenience, loss of wages and/or income, additional expense incurred, loss of transportation, rental car expense, or any derivative damage to persons or things other than the Accessory, including other parts of the vehicle, or (8) liability for damage to property or for injury to or death of any person, arising out of the operation, maintenance or use of your vehicle whether or not related to the covered Accessory.

C. Exclusive Remedy. If there is a valid claim under this limited warranty for a defect due to faulty material or workmanship in the Accessory, we will, at our option, either: (i) repair, (ii) replace or (iii) provide a full refund of the purchase price of the Accessory. We have no other obligations under this limited warranty. Refunds will be made to the vehicle owner. If the vehicle is leased, the refund will be made to the leasing company.

HOW TO MAKE A CLAIM: In the event of a warranty claim, please contact the nearest Toyota dealer to arrange for repairs. The dealership must receive our prior authorization before making repairs covered by this limited warranty. The dealer will contact Southeast Toyota Distributors, LLC at 1-888-851-2722, select option #5 (Warranty Department), then option #4 (Repairs), for instructions on processing a warranty claim, if they are not already familiar with the process. If you have any questions or concerns regarding repairs covered by this limited warranty, please contact our Customer Assistance Hotline at 1-800-301-6859.

OUR DISPUTE RESOLUTION PROGRAM: Your satisfaction is our highest priority. In keeping with that focus, in the event that an issue arises related to this Limited Warranty, we invite you to call our Customer Assistance Hotline at 1-800-301-6859 to discuss it. In most cases, we expect that a satisfactory resolution of your issue can be reached through engagement with that Department. If our Customer Loyalty Department is unable to resolve your issue to your satisfaction, we offer a dispute resolution program administered by the National Center for Dispute Settlement (NCDS) ("the Program"). The purpose of the Program is to resolve disputes in an informal setting before an impartial arbitrator. The Program is free of charge to you (although you must bear the cost of any expert witness or attorney you elect to employ). You are required to complete the Program before exercising rights or seeking remedies under the federal Magnuson-Moss Warranty Act, 15 U.S.C. § 2301 et seq. ("the Act"). If you choose to seek remedies that are not created by the Act, you are not required to use the Program before pursuing such remedies – although the Program is still available to you to resolve the dispute. When utilizing the Program, you will need to provide (a) the vehicle identification number of your vehicle, (b) the identity of your selling and servicing dealerships, (c) the mileage on your vehicle at relevant times, (d) the date and nature of any relevant repairs, (e) legible copies of repair orders and other relevant documents, (f) a summary of the unresolved issue and the requested action, and (g) your contact information. In most cases, the dispute resolution process under the Program will be completed within forty (40) days of your submission of your request and will consist of steps such as an initial eligibility determination, an opportunity for you and us to submit information in writing relating to your claim, an oral hearing, and a decision from the arbitrator. A decision will be binding on you only if you choose to accept it. You may submit a request to NCDS by telephone at their toll free number: (877)-276-8848 or in writing at P.O. Box 463196, Mt. Clemens, MI 48046. You may obtain additional information regarding the Program at www.ncdsusa.org. In the event that the NCDS does not exist or no longer handles disputes for us at the time that you seek to submit a request, you may contact our Customer Assistance Hotline at 1-800-301-6859 to obtain current information about our dispute resolution programs.

GENERAL LIMITATION OF WARRANTY: THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES OR LIABILITIES. IN NO EVENT SHALL WE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE INFORMATION OR EXCLUSION MAY NOT APPLY. NO EXPRESS WARRANTY OF FITNESS OR MERCHANTABILITY IS GRANTED BY THIS LIMITED WARRANTY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE DESCRIBED IN THIS DOCUMENT. ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH MAY BE APPLICABLE BY OPERATION OF LAW SHALL BE LIMITED TO THE PERIOD OF THIS WRITTEN LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY. THIS LIMITED WARRANTY PROVIDES SPECIFIC LEGAL RIGHTS, AND THERE MAY BE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN A PERIOD NOT EXCEEDING 12 MONTHS AFTER EXPIRATION OF THIS LIMITED WARRANTY. THE REMEDIES SPECIFIED HEREIN AND THOSE SPECIFIED BY APPLICABLE LAW ARE THE ONLY REMEDIES AVAILABLE. WE ASSUME NO OTHER OBLIGATION OR RESPONSIBILITY WITH REGARD TO THE ACCESSORY. WE NEITHER ASSUME, NOR AUTHORIZE ANYONE TO ASSUME FOR US, ANY ADDITIONAL LIABILITY IN CONNECTION HERewith.

GENERAL: This limited warranty describes the complete and exclusive rights that result from the purchase of Accessories. No oral representations or statements may be relied upon. This limited warranty may not be amended or modified, and additional rights may not be granted, unless in a written statement signed by one of our officers. This limited warranty shall be governed by the laws of the state where the vehicle is purchased, excluding laws concerning conflicts of law. We may delegate the performance of our duties and obligations and assign our rights and benefits hereunder. For inquiries regarding this limited warranty, we can be contacted directly at Customer Assistance Hotline at 1-800-301-6859, or by mail to: Southeast Toyota Distributors, LLC, Attention: Customer Loyalty Department, 100 Jim Moran Boulevard, Deerfield Beach, Florida 33442.