



## Southeast Toyota Distributors, LLC Accessory Installation Instructions

### 2021 Tundra LED Bed Lights

Year & Model:	2021 Tundra
Part Number:	00016-34187
Accessory Code:	BU1000
PIO / DIO:	PIO / DIO
Business Partner:	J67

### Conflicts

Note: Drop-in Bed Liner
-------------------------

### General Applicability

FitsModels:	
1.	2021 Tundra
2.	

### Additional Items Required For Installation

Item#	Description:
1	
2	N/A

### Sequence of Application

Item#	Accessory:
1	Spray Bed Liner
2	LED Bed Lights

#### SPECIALNOTE:InstallationSequences

After TMS & Safety mandated preparatorysteps have been taken, the installation sequence is the suggested method for completing the accessoryinstallation. In some instances the suggested sequence is written for one associate to install & in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates mayperform the installation steps in any order to make the installation as efficient as possible while maintainingconsistentquality.

### Recommended Tools

<b>Safety Items</b>	
Safety glasses / gloves	Optional
<b>Special Tools</b>	
PIO Drill Location Template	Driver Side Part #: TUN-34089-DR  Passenger Side Part #: TUN- 34089-PA
<b>Installation Tools</b>	
Screw Gun / Drill	Torque Wrench
7/16" Uni-bit/Drill Bit with Drill Stop (2")	Assembly installation
1/8" Drill Bit with Drill Stop (2")	Wire harness routing hole through the bed-wall
Ratchet/Socket	Pilot hole for LED retentionscrews
No. 2 Philips head screw driver	10 mm
Utility Knife	Panel removal / installation
Pliers	Grommet access
3M Body Sealant	T-tap installation
Vacuum	Grommet & drill hole sealer
	VacuumSource
<b>Special Chemicals</b>	

### Legend

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CAUTION:</b> 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.
	<b>TOOLS &amp; EQUIPMENT:</b> Used in figures calls out the specific tools and equipment recommended for this process.
	<b>REVISION MARK:</b> This mark highlights a change in installation with respect to previous issue.
	<b>SAFETY TORQUE:</b> This mark indicates that torque is related to safety.
	<b>REGULATORY MARK:</b> This mark indicates that the component is related to regulatory compliance.
	<b>VIDEO:</b> This image indicates a video to show a installation procedure, PIO Only.

**Document History Revisions**

Version	Date	Description of Changes Made
V1	09/30/2020	Document Published as 2021

**Table of Contents**

---

I. Preparation.....	1
1. History of Revisions.....	2
2. Table of Contents.....	3
3. Kit/Hardware Bag Contents.....	4
4. Parts for Installation.....	5
5. Service & Warranty Information .....	6
 II. Procedures	
1. Vehicle Disassembly .....	7-8
2. Bed Light LED Installation .....	9-10
3. Bed Light LED Wire Harness Installation .....	11-15
4. Re-Connect Battery / Vehicle Reassembly .....	16
 III. Function and Quality Checks .....	17
 IV. DIO Installation Template Driver Side .....	18
 V. DIO Installation Template Passenger Side .....	19
 VI. Blank Page.....	20
 VII. Warranty Statement .....	21-22

**Kit Contents / Hardware Bag Contents:**

Item #	Quantity	Description
1.	4	Philips head stainless steel screws – M4x12mm
2.	40	11 inch Wire Ties
3.	2	3M 951 22-18awg T-Tap (Red)
4.	2	Connector Body
5.	2	Connector Retention Clip

**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
1.	1	Driver's Side LED Assembly
2.	1	Passenger's Side LED Assembly
3.	1	Body Wire Harness
4.	1	Hardware Kit

**Service & Warranty Information:**

Image Key	Parts information		Warranty Information	
	Part Number	Description	Warranty Time	Labor Op. Code
N/A	00016-34187	Tundra LED Bed Lights	N/A	N/A
A	00016-34187-01	Driver Side Light	0.5	ABL011
B	00016-34187-02	Passenger Side Light	0.5	ABL011
C	00016-34187-03	Wire Harness	0.5	ABL021
D	00016-34187-04	Hardware Kit	N/A	N/A

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

**Image:**

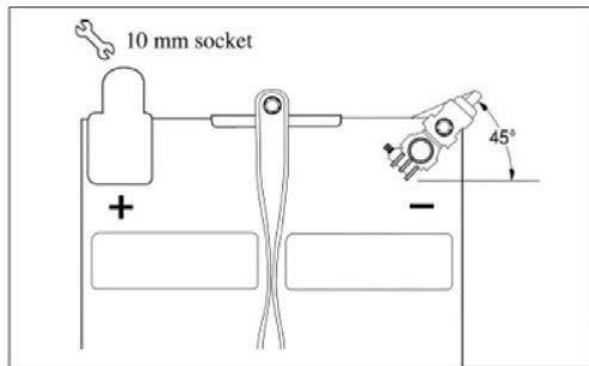


Figure 1a



Figure 1b



Figure 1c

**Vehicle Disassembly:**

Do not touch the positive terminal.



Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SR5 system.

1. Remove the negative battery cable. (Fig. 1a)



Do not come into contact with the positive terminal during the removal of the negative cable.

2. Remove front driver side door scuff plate. (Fig. 1b)
3. Remove front driver side kick panel. (Fig. 1c)

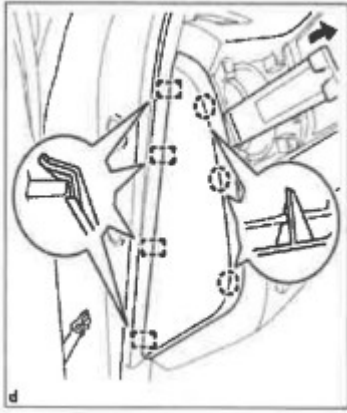


Figure 1d



4. Remove the dash end cover.  
(Fig. 1d)



Figure 1e



5. Loosen the top left area of the lower instrument panel, by releasing the two clips to the left and right of the top of the auxiliary button switch plate.  
(Fig. 1e)



Figure 1f

6. Remove the auxiliary button switch plate.  
(Fig. 1f)

7. Unplug each of the wire connections from the rear of the switch plate.



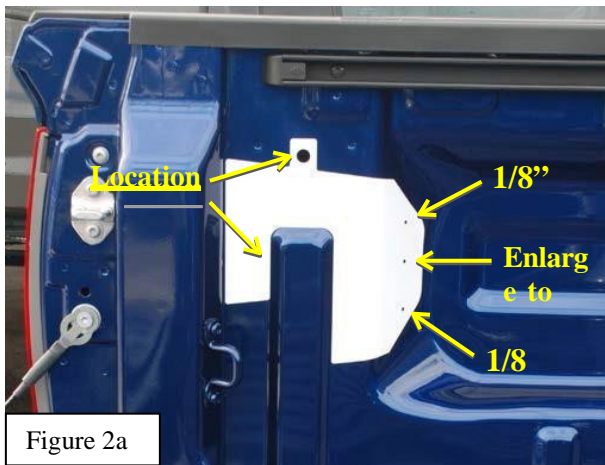
**LED Bed Light Installation:**

Figure 2a

1. Use the plastic templates with reusable tape backing to mark the drill locations for the bed light LED assemblies. (Fig.2a)

**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. 2b)

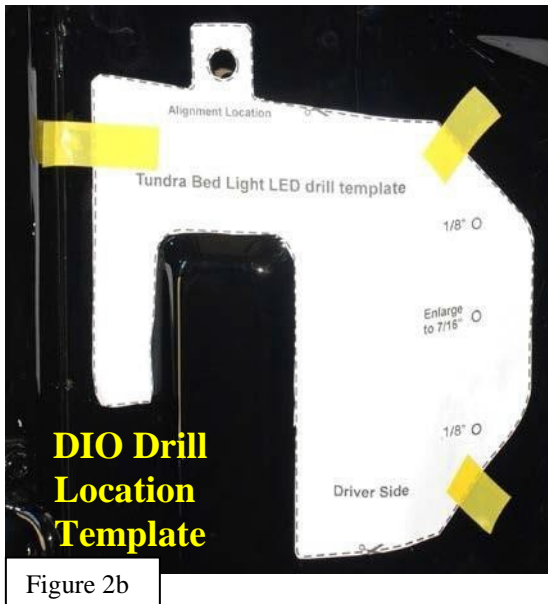


Figure 2b

2. Locate off the rear stake bed as illustrated. (Fig. 2a)

3. Use a 1/8" Drill bit with drill stop set to 2" to pre-drill all 3 holes.

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

5. Vacuum drill shavings.

6. Route the Bed Light LED assembly wire harness through the 7/16" hole.

7. Once wire is mostly routed though the 7/16 hole, apply body sealant to all three holes prior to mounting.

8. Mount the LED assembly using the screws provided. (Fig.2c)

9. Tighten screws: thread to bottom and then one quarter turn. Do Not Over Tighten.

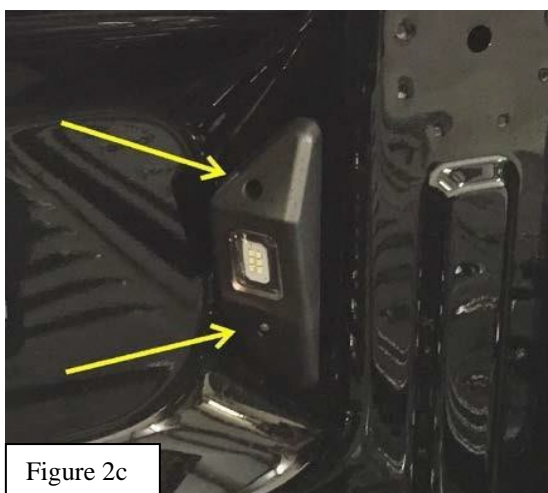


Figure 2c

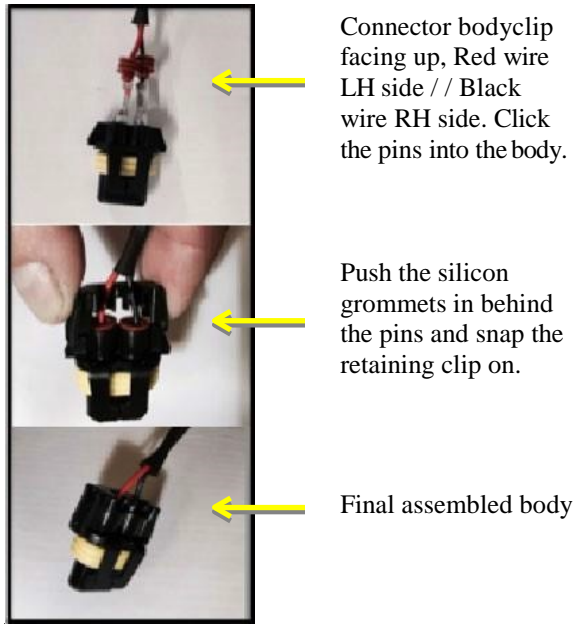


Figure 2d

10. Tighten screws: thread to bottom and then one quarter turn. Do Not Over Tighten. Insert the Bed Light LED assembly harness pins into the connector body and snap on the connector retaining clip. (Fig. 2d)



Figure 2e

11. Route the passenger side Bed Light LED wire harness along the factory wire harness toward the driver side at the rear of the bed near the spare tire, bundling any excess wire on driver side as illustrated. (Fig. 2e)



Figure 2f

12. Route the Bed Light LED assembly harness forward along inside of frame as shown until it is forward of the rear wheel well opening, then transition over the top of the frame and route forward towards the front of the vehicle until you reach the grommet on driver side front foot well location. Use wire ties to secure as needed to e-brake mounting brackets on top of frame. Fig. 2f.

**LED Bed Light Wire Harness Installation:**

Figure 3a



Figure 3b



Figure 3c

1. Lift the front driver side Floor carpet and lift foam board to expose the body grommet.  
(Fig. 3a)
2. Remove the grommet and discard.
3. Route the Bed Light wire harness through the driver-side floorboard grommet hole. Insert the new grommet into the floorboard grommet hole. Add silicone sealant to the grommet.  
(Fig. 3a & 3b)
4. Route the Bed Light LED wire harness from the grommet under the driver side of floor pan of the vehicle to the BED Light LED wire harness coming from the rear of the vehicle along the factory wire harness on driver side above and inside frame.  
(Fig. 3c)
5. Use wire ties to secure the bed light LED wire harness to the E-brake mounting brackets as shown.





Figure 3d



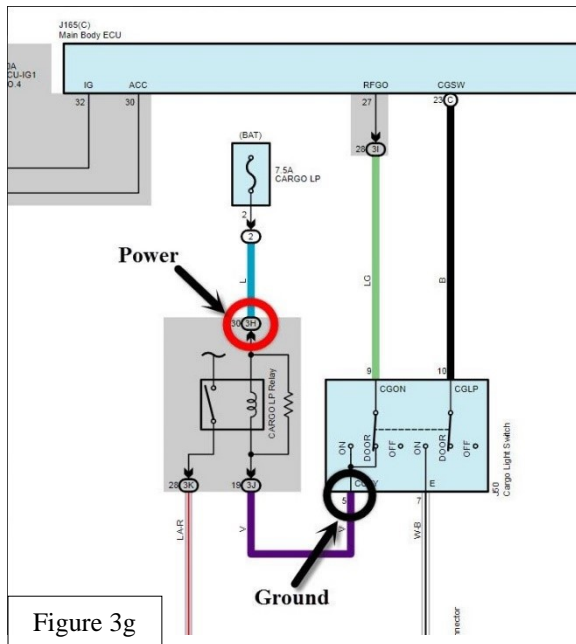
Figure 3e



Figure 3f

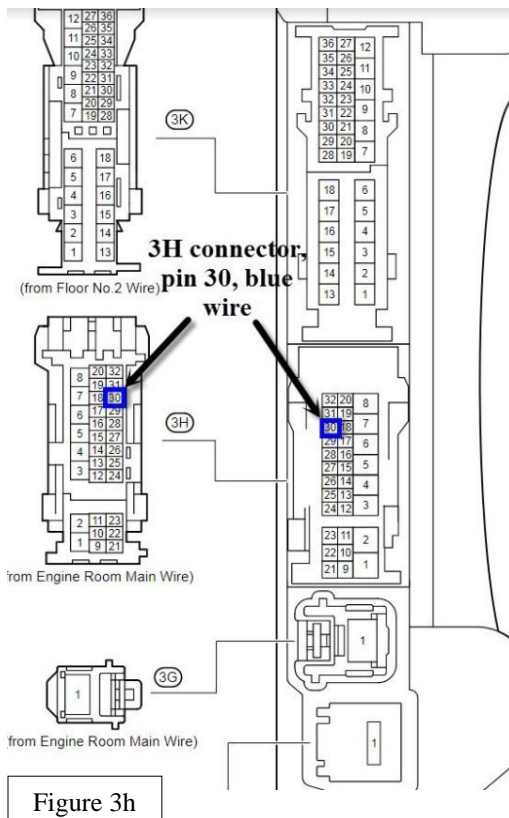
6. Bundle excess harness wire as shown on driver side as shown in fig. 3d.

7. Lift the driver side carpet to expose the upper portion of the foam and remove foam board with a phillip head screwdriver.
8. Route the wire harness in channel under carpet below foam pad from the driver side grommet the junction box. Do not allow the wire to sit on top of the foam. Secure to factory harness with wire tie as shown fig. 3e.
9. Find the 3H connector in the bottom LH area of the junction block on the LH-side of the steering column. Fig. 3f.



10. Attach a RED T-tap to the PIN 30 BLUE wire. Use pliers to ensure the T-tap is snapped in correctly.  
(Fig. 3g & Fig. 3h)

11. Install the blade connector from the red wire of the bed light LED wire harness onto the RED T-tap at the 3H connector pin 30.



12. Fuse location placement and secure with wire tie as shown in (Fig. 3i)



Figure 3i

13. Route wire along factory harness in kick panel as shown and secure with wire ties. (Fig. 3j & Fig. 3k)



Figure 3j



Figure 3k



J50 connector, pin 5, violet wire

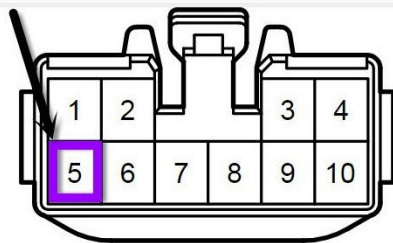


Figure 3-l

14. Attach the Red T-tap to the Pin 5, Violet wire connector j50. Use pliers to ensure the T-tap is snapped in completely. (Fig. 3-l & 3-m)

15. Install the blade connector from the black wire of the bed light LED wire harness onto the RED T-tap connector j50, pin 5 violet wire.

16. Secure bed light LED wire harness to factory wire harnesses using wire ties.

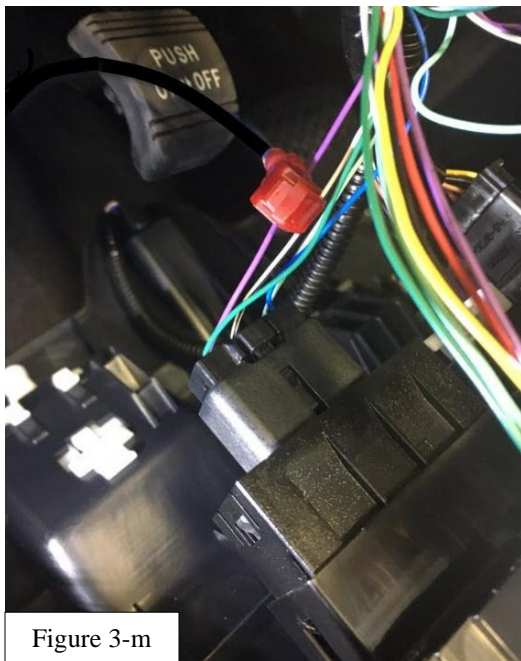


Figure 3-m

**Reconnect Battery:**

1. Reconnect the vehicle's negative battery cable.
2. Position the negative battery cable at the original factory position.



Tighten the nut with 48 in lbs of torque.



Do not come in contact with the positive terminal during the replacement of the negative cable.

3. Install the "Short Pin Fuse" and complete the checklist .
4. Print Warranty Statement and place in glove box, DIO Only.

**Vehicle Reassembly:**

1. Install the passenger side seat pan grommet.
2. Trim all excess from wire ties.
3. Reinstall the driver and passenger side kick panels and foot rest.
4. Reinstall the driver and passenger side door scuffs.
5. Reinstall the auxiliary driver switch plate.
6. Clean up and remove trash.





Figure 4

**Function and Quality Checks:**

The LED Bed Light should illuminate with any of the following actions:  
(Fig. 4)

- Door is opened
- Cargo light is illuminated
- Key FOB is used to unlock doors

NOTE: Factory cargo light switch must be in door or on position to function check bed lights.

**Accessory Function Check:****Look For:**

Exterior Cargo Light Switch

Verify that the Exterior Cargo Light functions in all three switch positions.



Interior Dome Light Switch

Verify that the Interior Dome Light functions in all three switch positions.



Open Driver Side Door

Verify that the LED Bed Light turns on.



Close Driver Side Door

Verify that the LED Bed Light turns off. .



Open Passenger Side Door

Verify that the LED Bed Light turns on.



Close Passenger Side Door

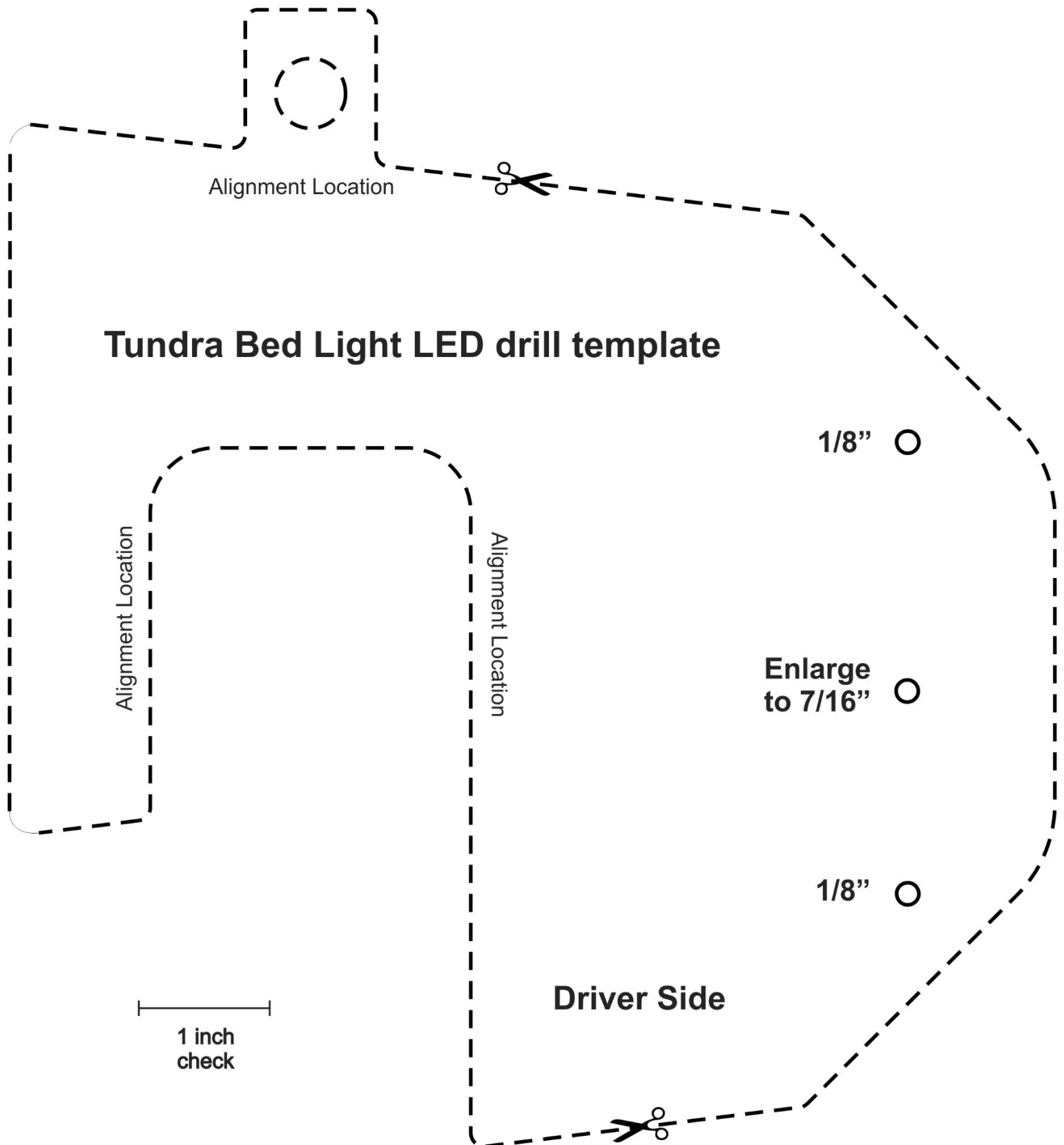
Verify that the LED Bed Light turns off.



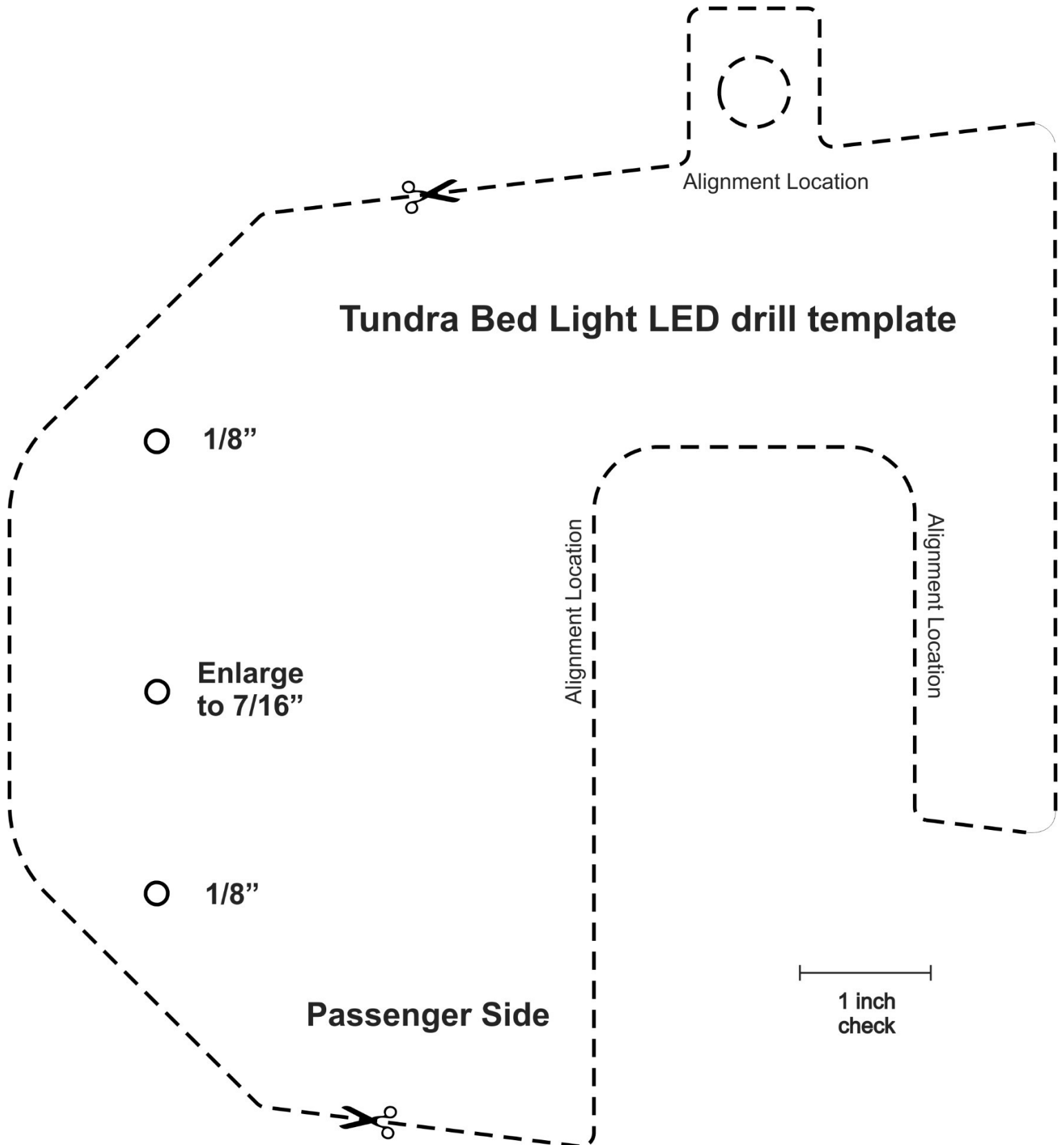
Warranty Statement

Place Warranty Statement in glove box, DIO Only.

## DIO Installation Template DriverSide



## DIO Installation Template PassengerSide





## 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](http://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.**