

## 2022 Camry/HV LED Illumination Package (Interior & Exterior)

Year & Model:	2022 CAMRY/HV
Part Number:	00016-00071
Accessory Code:	LL1000; LL1020
PIO / DIO:	PIO / DIO
Business Partner:	L28

### **Conflicts**

Note: XSE & XLE

### **General Applicability**

Fitsl	Models:		
1.	L, LE, SE		
2.			
3.			

# **Additional Items Required For Installation**

Item#	Description:
1	A-Pillar Tether Clip Part # 62217-24020
2	Lower A-Pillar Clip Part # 90467-A0006 (NAP)
3	Lower A- Pillar Clip Part # 90467-10161 (JAP)
4	LED Wedge Bulb Part # 00016-00545

**Sequence of Application** 

Item#	Accessory:
1	LED Illumination Package (Interior & Exterior)
2	

### **SPECIAL NOTE: Installation Sequences**

AfterTMS & 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 & 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.

## Southeast Toyota Distributors, LLC Accessory Installation Instructions

#### **Recommended Tools**

Safety Items	
Safety Glasses	
Special Tools	
N/A	
<b>Installation Tools</b>	
#2 Phillips Screwdriver	Rivet Gun
Short Nylon Removal Tool	Tape Measure
Pliers	Torque Wrench
Wire Cutters	Right Angle Drill
5/32" Drill Bit	Utility Knife
7/16" Drill Bit	10 & 12mm Sockets and Ratchet
1" Hole Saw	De-Burring Tool
<b>Special Chemicals</b>	
VPC Approved Sealant	

### 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.



<u>TOOLS & EQUIPMENT:</u> 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.



<u>SAFETY TORQUE:</u> This mark indicates that torque is related to safety.



<u>REGULATORY MARK:</u> 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 History Revisions**

Version	Date	Description of Changes Made
V1	01/04/2022	Document Published as 2022

## TOYOTA CAMRY LED IIIumination Package (Interior & Exterior)

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### **Kit / Hardware Bag Contents:**

Item #	Quantity Reqd.	Description
1	25	Wires Ties
2	4	Foil Tape
3	5	Foam Tape
4	14	Plastic Rivets
5	4	Red T-Taps
6	1	Blue T-Tap
7	4	Black T-Taps

### **LED IIIumination Package (Interior & Exterior)**

#### Procedure

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.

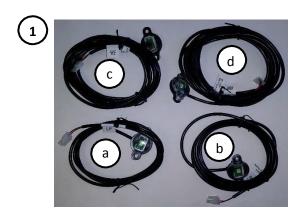
These guidelines can be found in the "Accessory Installation Practices" document.

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.).

### **Parts for Installation:**

Item	Quantity	Description	
1.	4	Puddle Lights and Harnesses	
(a)	1	LF (4.9') Puddle Light	
(b)	1	LR (7.8') Puddle Light	
(c)	1	RF (10.8') Puddle Light	
(d)	1	RR (13.8') Puddle Light	
2.	1	Control Module	
3.	1	Power Harness	
4.	1	Foot-well Harness	
5.	2	Foot-well Lights	
6.	1	Hardware Bag	













### **Service & Warranty Information:**

	Parts information		Warranty Information	
	Part Number	Description	Warranty Time	Labor Op. Code
NA	00016-00071	LED Illumination Package (Int & Ext) KIT	NA	NA
Α	00016-00064-01	Power harness	0.3	AIP011
В	00016-00064-02	Foot well light harness	0.4	AIP021
С	00016-00064-03	Foot well LED light pod	0.2	AIP031
D	00016-00064-04	Puddle light control module	0.3	AIP041
Е	00016-00064-05	Left Front puddle light and harness	1.3	AIP051
F	00016-00064-06	Left Rear puddle light and harness	1.3	AIP061
G	00016-00064-07	Right Front puddle light and harness	1.3	AIP071
Н	00016-00064-08	Right Rear puddle light and harness	1.3	AIP081

**Note**: Use Combo codes if replacing more than one puddle light. A for additional 0.3 per light. A- adds 0.3 for two lights, AA- adds 0.6 for three lights, AAA- adds 0.9 for three lights

Labor times include consideration for diagnosis and Administration time

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

#### Image:





Figure 1



Figure 1a



Figure 1b



Figure 1c

### **VEHICLE PREPERATION & INSTALLATION PROCESS:**



1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL. Figure 1.

NOTE: On Hybrid vehicles the battery is located on the passenger side in the trunk, Figures 1a-1c.

### TOYOTA CAMRY

### **LED IIIumination Package (Interior & Exterior)**

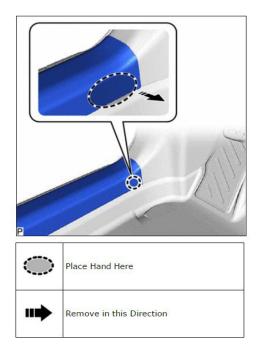


Figure 2

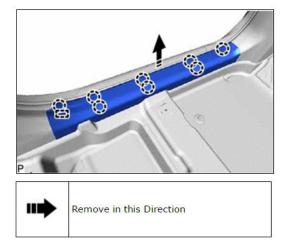


Figure 3

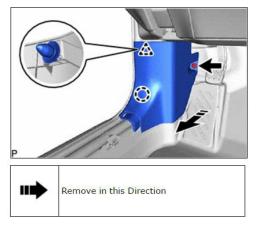
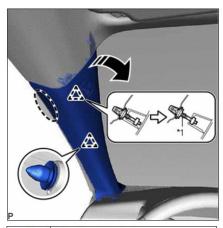


Figure 4

- 2. REMOVE FRONT DOOR SCUFF PLATE LH
  - (a) Disengage the claw as shown in Figure 2.

HINT: Use the same procedure for the front side and rear side.

- (b) Disengage the 8 claws and guide to remove the front door scuff plate LH as shown in Figure 3.
- 3. REMOVE COWL SIDE TRIM SUB-ASSEMBLYLH
  - (a) Remove the clip.
  - (b) Disengage the claw and clip to remove the cowl side trim subassembly LH as shown in Figure 4.



*1	Front Pillar Garnish Clip
0	Place Hand Here
•••	Remove in this Direction

Figure 5

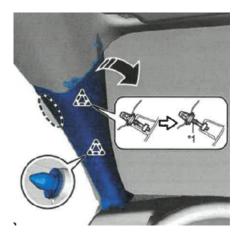


Figure 6

- 4. REMOVE FRONT DOOR OPENING TRIMWEATHERSTRIP LH
- 5. REMOVE FRONT PILLAR GARNISH LH
  - (a) Pull the upper part of the front pillar garnish LH toward the inside of the cabin to disengage the clip and the front pillar garnish LH from the base of the front pillar garnish clip.

    Figure. 5.

HINT: Let the front pillar garnish LH hang from the front pillar garnish clip.

(b) While pushing the tabs of the front pillar garnish clip as shown in Figure 6, disengage it

Remove the front upper and lower garnish clips. **These clip CAN NOT be reused. DESTROY and DISPOSE of clip.** Figure 6.



NOTE: Install new A-Pillar garnish upper and lower clips when replacing garnish at end of installation. A-Pillar upper clip #62217-24020, lower 90467-A0006 (NAP), 90467-10161(JAP) are not provided in the kit. These items must be ordered separately.

### **LED IIIumination Package (Interior & Exterior)**

(c) Disengage the 2 guides to

remove the front pillar garnish LH.

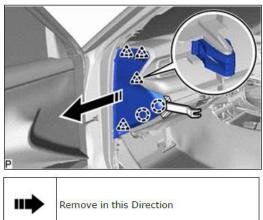


Figure 7



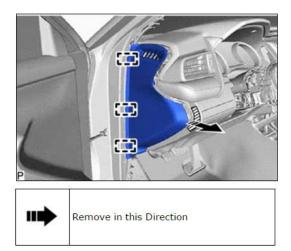


Figure 8

(a) Using a molding remover, disengage the 2 claws and 4 clips as shown in Figure 7.

(b) Disengage the 3 guides to remove the instrument side panel LH as shown in Figure 8.

### **TOYOTA**

### **CAMRY**

### **LED IIIumination Package (Interior & Exterior)**

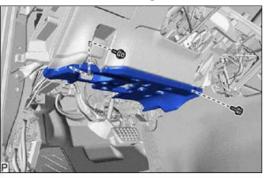


Figure 9

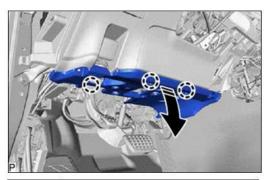




Figure 10

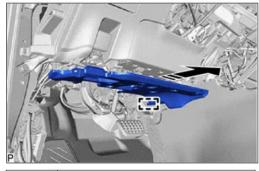




Figure 11

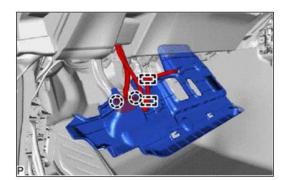


Figure 12

7. REMOVE NO. 1 INSTRUMENT PANEL UNDER COVERSUB-ASSEMBLY

(a) Remove the 2 screws, Figure 9.

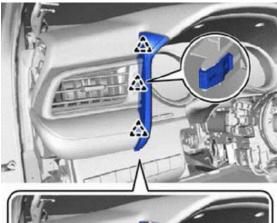
(b) Disengage the 3 claws as shown in Figure 10.

(c) Disengage the guide as shown in Figure 11.

(d) Disconnect the connector.

(e) Disengage the 2 claws to disconnect the DLC3 connector.

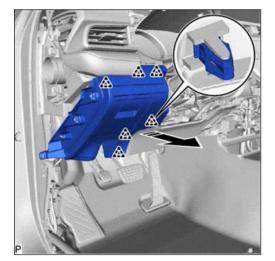
(f) Disengage the 2 clamps to remove the No. 1 instrument panel under cover sub-assembly. Figure 12.





Place hand here & remove in this direction.

Figure 13



Remove in this direction.

Figure 14a



Figure 14b

8. REMOVE NO. 2 METER HOOD CLUSTER

(a) Disengage the 3 clips to remove the No. 2 meter hood cluster as shown in Figure 13.

- 9. REMOVE THE NO. 1 INSTRUMENT PANEL SUB-ASSEMBLY
  - (a) Disengage the 6 clips as shown in Figure. 14a.
  - (b) Disengage the clamp.
  - (c) Disconnect each connector to remove the NO. 1 instrument panel sub-assembly.
- (d.) Place red hang tag on instrument panel sub assembly <u>OR</u> hood release cable when removing hood latch cable from hood latch release lever. Figure. 14b.

Red Tag required for PIO Only.

Tag is not part of the kit contents.

### **LED IIIumination Package (Interior & Exterior)**

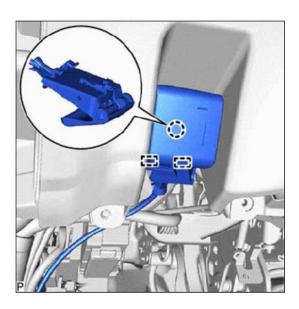


Figure 15

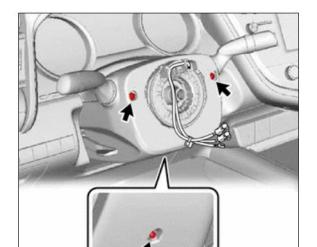


Figure 16a

## 10. DISCONNECT HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

(a) Disengage the claw and 2 guides to disconnect the hood lock control lever sub-assembly. Figure 15.

### **OPTIONAL STEP**

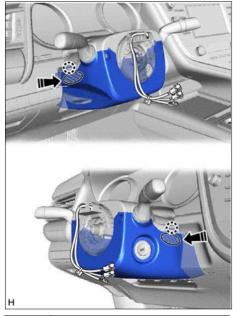
REMOVE LOWER STEERING COLUMN COVER SUB-ASSEMBLY

**NOTICE:** Removing the lower steering column cover sub-assembly in the incorrect order will cause parts to break.

- (a) Release the tilt and telescopic steering lever and fully extend and lower the steering column assembly. Figure 16a.
- (b) Lock the tilt and telescopic lever.
- (c) ) Remove the 3 screws.

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### **LED IIIumination Package (Interior & Exterior)**



	Push Area
•	Push in this direction

(d) While pressing the push area in the illustration to disengage the 2 claws, slightly lower the lower steering column cover sub-assembly. Figure 16b.

## 11. REMOVE FRONT DOOR SCUFF PLATE RH

**HINT:** Use same procedure as for the LH side.

Figure 16b





Figure 16c

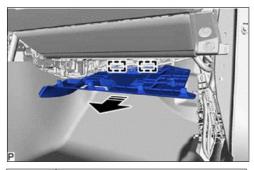




Figure 17

## 12. REMOVE FRONT COWLSIDE TRIM SUB-ASSEMBLY RH

**HINT:** Use same procedure as for the LH side.

## 13. REMOVE NO. 2 INSTRUMENT PANEL UNDER COVERSUB-ASSEMBLY

- (a) Disengage the 4 claws as shown in Figure 16c.
- (b) Disengage the 2 guide as shown in Figure 17.



Figure 18

14. Remove the Christmas tree fastener from the passenger side front carpet. Figure 18.

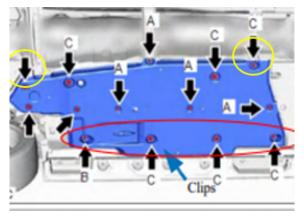


Figure 19

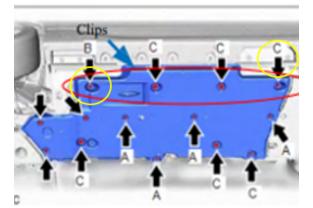


Figure 20

15. Loosen the outside clip to partially lower underbody panels. Fig. 19 & 20



Figure 21



Figure 22



Figure 23



Figure 24

15. Remove the plastic 10mm nut shown in Figure 21 from the front floor cover LH in order to gain access to the front floor pan drain grommet.

16. Remove the plastic 10mm nut shown in Figure 22 from the front floor cover RH in order to gain access to the front floor pan drain grommet.

NOTE: Place a rag over the exposed threads of the inside to ensure the nut does not reengage.

17. Measure drill locations for all four light pods. They should be centered in the rocker tab below each door and 2 ½" from the inside edge. Figures 23 & 24



18. Using a 1" hole saw, drill center hole.

19.De-burr each hole after drilling.



- 21. Temporarily align puddle light. Using a 5/32" drill bit, drill the 2 mounting holes.
  - a. Secure light with supplied plastic rivots.

NOTE: Arrow on puddle light lens must face out, away from vehicle.



Figure 25A

22. Route the rear harnesses around plastic nut as shown in figure 25A



Figure 25B

23. Assure all routed wires are routed snug to the body so they do not have the potential of hanging loose. Route the front pod harness to the inside of the under-panel plastic tray. Repeat steps on the passenger side. Fig 25B

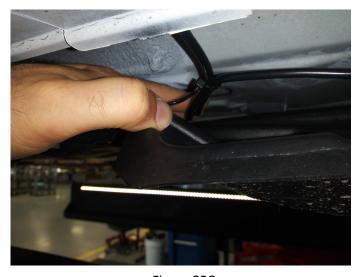


Figure 25C

Route rear harnesses forward and to the inside of the loosened clips in the front floor cover. Wire tie the front and rear harnesses together. Example of the left rear side of the vehicle Fig 25C.



Figure 26A

24. Using a sharp blade cut an 'X' in the middle of indicated drain plug, in order to route puddle light harnesses up and into the vehicle. Fig26A represents right front side of vehicle.



Figure 26B



Figure 27

- 25. Lift carpet to gain access to the drain holes and route puddle light harnesses up and into the vehicle. Figure 26B.
- 26. Seal harnesses to the drain plugs using VPC approved sealant. Making sure to work the sealant completely around and in between both wires for a water tight seal. Figure 27.

### **LED IIIumination Package (Interior & Exterior)**



Figure 28

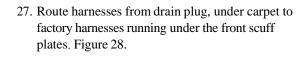




Figure 29

28. Route harnesses along factory harnesses towards the kick panels and secure with wire ties. Figure 29.



Figure 30

29. Route the passenger side puddle light harnesses under the foam footboard and behind the center console. Figure 30.



Figure 31

30. When routing the harness between the passenger side and drivers side ensure to pass the harnesses over top of the A/C drain hose. Figure 31.

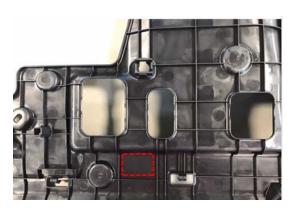


Figure 32

31. On the driver side instrument panel under cover sub-assembly, using a 7/16" drill bit, drill the hole for the foot-well light connector centered in the highlighted block shown in Figure 32.



Figure 33

32. Align light with flat side facing seats and using 5/32" drill bit, drill two mounting holes. Mount light pod using included plastic rivets. On the passenger side instrument panel under cover subassembly, using the hole for the footwell light connector centered in the highlighted block shown in Figure 33.



33. Align light with flat side facing seats and using 5/32" drill bit, drill two mounting holes. Mount light pod using included plastic rivets.

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### **LED IIIumination Package (Interior & Exterior)**



Figure 34

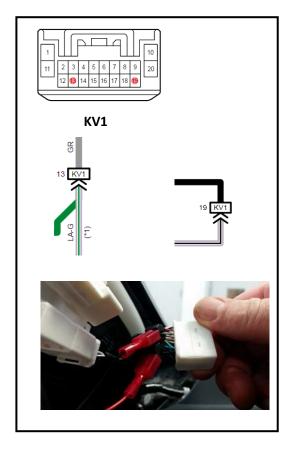
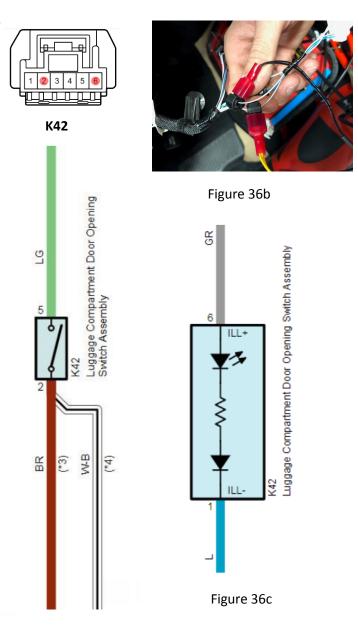


Figure 35

34. Route the long side of the foot-well harness from the driver side foot-well over to the passenger side.

- 35. Secure all passenger side harnesses as well as the drivers foot-well harness along top of driver side heat duct, making sure not to block any duct work. Figure 34.
- 36. Route the fused end of the power harness from the lower corner of the A-pillar down towards the driver's side kick panel, route from lower kick panel upward toward the lower A-pillar.
- 37. Using a black T-Tap connect the **Red** wire from the puddle light power harness to the **Black** wire in **PIN 19** of the **KV1** connector in the A-pillar. Figure 35.
- 38. Using a black T-Tap connect the Black wire to the Gray wire in PIN13 of the KV1 connector. Figure 35.



39. Using a black T-Tap connect the **Black** wire of the foot-well power harness to the **Black & White** wire in **PIN 2** of **K42** connector at the luggage compartment opening switch. Figure 36a, 36b. & 37c.

40. Using a black T-Tap connect the **Yellow** wire of the foot-well harness to the **Gray** wire in **PIN 6** of the **K42** connector at the luggage compartment opening switch. Figure 36.

41. Connect the **Red** wire from the foot-well harness to the **Red** wire of the puddle light power harness. Connect the **White** wire of the foot well harness to the **White** wire of the puddle light harness.

Figure 36a

- \* 1 :Before Aug. 2018 Production
- \* 2 : From Aug. 2018 Production
- \* 3 : Before July 2018 Production
- \* 4: From July 2018 Production



42. Connect all harnesses to control module and mount behind dash on lower crash support. Figure 37.

Figure 37

43. Bundle excess harnesses and mount fuse where it is easily accessible as shown in Figure 38.

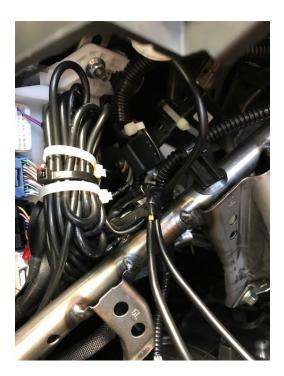


Figure 38

44. Reinstall Christmas tree fastener to passenger side foot-well carpeting.

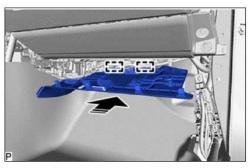




Figure 39





Figure 40

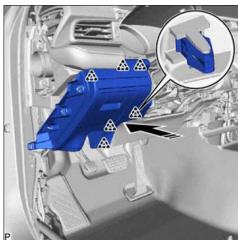




Figure 41

## 45. INSTALL NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

- (a) Connect the connector.
- (b) Engage the clamp.
- (c) Engage the 2 guides as shown in Figure 39.
- (d) Engage the 4 claws to install the No.2 instrument panel under cover sub-assembly as shown in Figure 40.

### 46. INSTALL NO. 1 INSTRUMENT PANEL SUB-ASSEMBLY

- (a) Connect the connector.
- (b) Engage the clamp.
- (c) Engage the 6 clips to install the No. 1 instrument panel sub-assembly as shown in Figure 41.

## 47. CONNECT HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

(a) Engage the claw and the 2 guides to connect the hood lock control lever sub-assembly

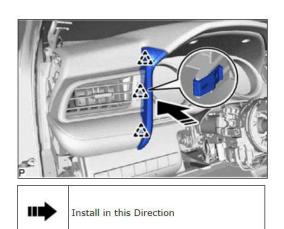


Figure 42



Install in this Direction

Figure 43





Figure 44

### 48. INSTALL NO. 2 METER HOOD CLUSTER

(a) Engage the 3 clips to install the No. 2 meter hood cluster as shown in Figure 42.

## 49. INSTALL NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

- (a) Engage the 2 claws to connect the DLC3 connector.
- (b) Engage the 2 clamps.
- (c) Connect the connector.
- (d) Engage the guide as shown in Figure 43.
- (e) Engage the 3 claws as shown in Figure 44.
- (f) Install the No. 1 instrument panel under cover sub-assembly with the 2 screws <c>.

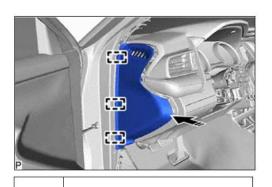
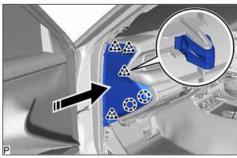


Figure 45

Install in this Direction



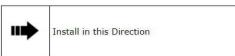
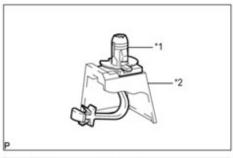


Figure 46



\*1 Front Pillar Garnish Clip \*2 Front Pillar Garnish LH



Figure 47

#### 50. INSTALL INSTRUMENT SIDE PANELLH

- (a) Engage the 3 guides as shown in Figure 43.
- (b) Engage the 4 clips and 2 claws to install the instrument side panel LH as shown in Figure 45.
- 51. INSTALL FRONT PILLAR GARNISH LH Figure. 46.
  - (a) Remove the protective cover.
  - (b) Install new upper and lower garish clips to the front pillar granish LH.
  - (c) Engage the front pillar garnish clip to the front pillar garnish LH. Figure 47.

HINT: Make sure that the front pillar garnish clip is engaged correctly.

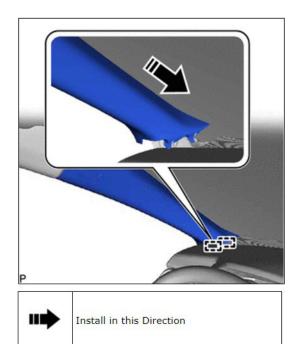


Figure 48

\*1 Front Pillar Garnish Clip

Figure 49

Install in this Direction

- (d) w/o Front No. 3 Speaker:
  - (1) Push the front pillar garnish LH as shown in Figure 48 to engage the 2 guides.
- (e) w/ Front No. 3 Speaker:
  - (1) Connect the connector.
  - 2. Push the front pillar garnish LH as shown in Figure 49 to engage the 2 guides.
- (f) Engage the clip and front pillar garnish clip to install the front pillar garnish LH as shown in Figure 49.

HINT: Make sure that the curtain shield airbag assembly LH is not pinched.

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### **LED IIIumination Package (Interior & Exterior)**

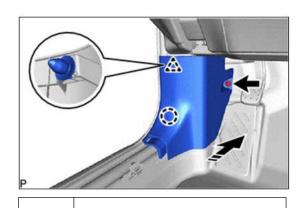


Figure 50

Install in this Direction

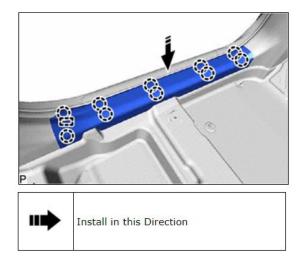


Figure 51

### 52. INSTALL COWL SIDE TRIM SUB-ASSEMBLY LH

- (a) Engage the claw and clip as shown in Figure 50.
- (b) Install the cowl side trim sub-assembly LH with the clip.

#### 53. INSTALL FRONT DOOR SCUFF PLATE LH

(a) Engage the guide and 10 claws to install the front door scuff plate LH as shown in Figure 51.

### 54. INSTALL COWL SIDE TRIM SUB-ASSEMBLY RH

HINT: Use the same procedure as for the LH side.

### 55. INSTALL FRONT DOOR SCUFF PLATERH

HINT: Use the same procedure as for the LH side.

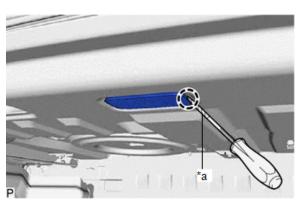


Figure 52



Figure 53

Ρ

Ρ

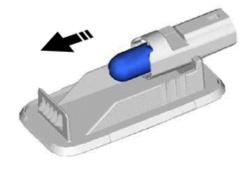


Figure 54

## 56. REMOVE NO. 1 LUGGAGE COMPARTMENT LIGHT ASSEMBLY

- (a) Using a screwdriver with its tip wrapped with protective tape, disengage the claw. Figure 52
- (b) Disconnect the connector to remove the No. 1 luggage compartment light assembly.

## 57. REMOVE NO. 1 LUGGAGE COMPARTMENT BULB

(a) Using a screwdriver with its tip wrapped with protective tape, disengage the 4 claws to remove the shade from the No. 1 luggage compartment light lens. Figure 53

b) Remove the luggage compartment light bulb from the No. 1 luggage compartment light lens as shown in the illustration. Figure 54

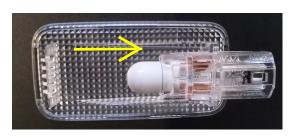


Figure 55

## 58. INSTALL THE SET LUGGAGE COMPARTMENT LIGHT BULB Part # 00016-00545

(a) Install luggage compartment light bulb as shown in Figure 55. Making sure the lens side of the bulb is facing the lens side of the housing.



Figure 56

Ρ

(b) Engage the 4 claws to install the shade to the No. 1 luggage compartment light lens. Figure 56

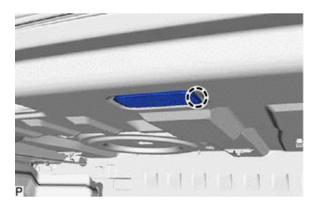


Figure 57

- 59. INSTALL NO. 1 LUGGAGE COMPARTMENT LIGHT ASSEMBLY
- (a) Connect the connector.
- (b) Engage the claw to install the No. 1 luggage compartment light assembly. Figure 57
- 60. NOTE: (DIO, Only) Print Warranty Statement & place in glove box.

#### TESTING AND REASSEMBLY



1. TAKE SPECIAL CARE TO MAKE SURE ALL HARNESSES AND WIRING ARE PROPERLY SECURED. MAKE SURE HARNESSES ARE NOT PINCHED OR BOUND BY TRIM PIECES.





2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO 48 IN/LBS.

## CHECKLIST - THESE POINTS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

ACCESSORY	FUNCTION CHECK:	
ACCEDBOKI	I UNCITON CHECK.	

LOOK FOR:

Test for full light condition

Close all doors and lock vehicle, verify foot-well and puddle lights go out?

Unlock vehicle, verify foot-well lights and puddle lights come on dim? Open a door, verify foot-well and puddle lights come on full brightness?

Test for low light condition

Start vehicle, verify puddle lights go out? Turn on headlight, verify foot-well lights dim.

#### VEHICLE FUNCTION CHECK:

Ignition

Verify that the vehicle will crank.

SR5 Warning Light

Confirm SR5 Warning Light Illuminates for approximately 6 seconds with the ignition on, and then goes out.

✓ Trunk Release

Fuel Release

Track Control

Auto Headlight

**Hood Release** 

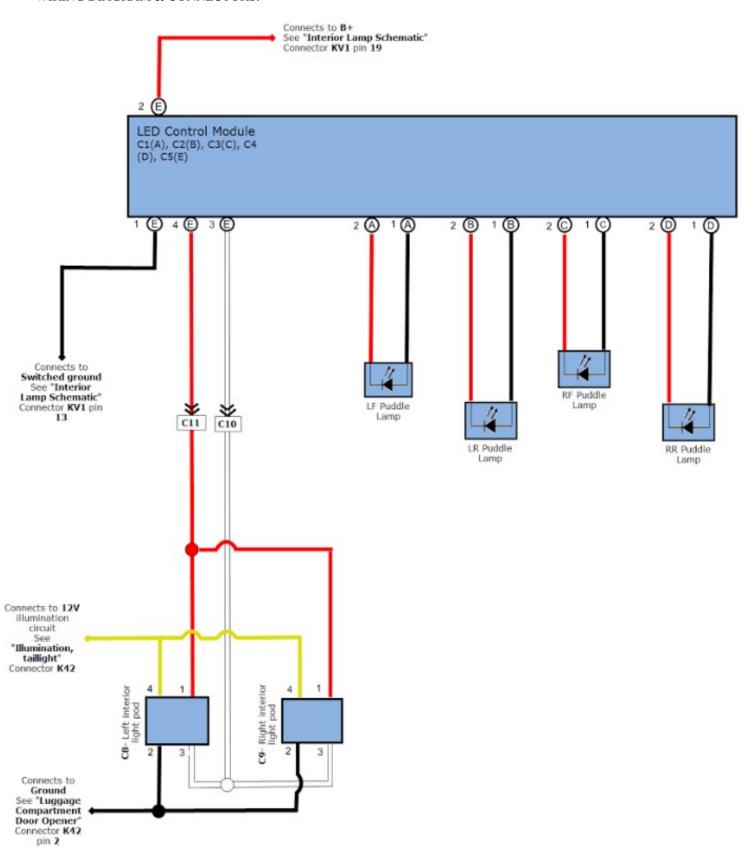
Dome Light

√ Warranty Statement

Place Warranty Statement in glove box, DIO Only.

### **CAMRY**

#### WIRING DIAGRAM & CONNECTORS:



**CAMRY** 

## **LED IIIumination Package (Interior & Exterior)**



BLK to LF ext light	Off	12V	C1	Off	12V	Red to LF ext light
	On	8.6V	C1	On	8.6V	
BLK to LR ext light	Off	7.6V	C2	Off	7.6V	Red to LR ext light
	On	5.6V	C2	On	5.6V	
BLK to RF ext light	Off	12V	C2	Off	12V	Red to RF ext light
	On	8.6V	C3	On	8.6V	
BLK to RR ext light	Off	7.6V	C4	Off	7.6V	Red to RR ext light
	On	5.6V	C4	On	5.6V	

C1, C2, C3, and C4 are all individual LEDs.

Can be tested with Diode mode on DVOM.

**Red** to **Red**, **Black** to **Black** = 2.5V

**Red** to **Black**, **Black** to **Red** = O.L.



### **Connector C5**

BLK to swt ground	Int Imp OFF	12V		Int Imp OFF	12V	WHT to Int Lamp
	Int Imp ON	0V	C5	Int Imp ON	0V	
RED to B+	B+	12V		B+	12V	RED to Int Lamp
	Voltage su modu			From mod		

### **CAMRY**

## **LED IIIumination Package (Interior & Exterior)**

### **Connector C6**



Pin	Wire Color	Test Reference	Proper Operation
1		Pin 1 to Ground	Approximately 0 VDC when Dome Light is ON +12 VDC when Dome Light is OFF

#### **Connector C7**



Pin	Wire Color	Test Reference	Proper Operation
1			+12 VDC

### Connector C8 & C9



Pin	Wire Color	Test Reference	Proper Operation
1	Red	Pin 1 to Ground	+12 VDC
2	Black	Pin 2 to Ground	Approximately 0 VDC
3	White	Pin 3 to Ground	Approximately 0 VDC when Dome Light is ON +12 VDC when Dome Light is OFF
4	Yellow	Pin 4 to Ground	Approximately 0 VDC ignition switch OFF +12 VDC when ignition ON

#### **Connector C10**



Pin	Wire Color	Test Reference	Proper Operation
1	White	Pin 1 to Ground	Approximately 0 VDC when Dome Light is ON
			+12 VDC when Dome Light is OFF



### **Connector C11**

Pin	Wire Color	Test Reference	Proper Operation
1	Red	Pin 1 to Ground	+12 VDC

#### **Connector C12**



Pin	Wire Color	Test Reference	Proper Operation
1	Yellow	Pin 1 to Ground	Approximately 0 VDC ignition switch OFF
			+12 VDC when ignition ON

### **Connector C13**



Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Approximately 0 VDC

### 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
- 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 WITH IN 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.