



## Southeast Toyota Distributors, LLC Accessory Installation Instructions

### 2020 C-HR TOUCH KEYPAD (TKP)

Year & Model:	2020 C-HR
Part Number:	00016-00506
Accessory Code:	KP1010
PIO / DIO:	PIO & DIO
Business Partner:	J56

### Conflicts

Note: None

### General Applicability

Fits Models:	
1.	All Models
2.	
3.	

### Additional Items Required For Installation

Item #	Description:
1	A-pillar Clip (62217-24020)
2	

### Sequence of Application

Item #	Accessory:
1	N/A
2	

#### **SPECIALNOTE: Installation Sequences**

After TMS & 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.

### Recommended Tools

<b>Safety Items</b>	
Safety Glasses	Safety Gloves
<b>Special Tools</b>	
Backhousing Alignment Tool	Windshield QC Scale
Temperature probe /Heat Gun	
<b>Installation Tools</b>	
Heat Source	For Temperatures under 50°F
Moulding Remover	Pliers
Ratchet/Driver	Side Cutters
Socket (10mm)	Torque Wrench (48 in*lbs)
Grease Pencil	Small Flat Head (Taped)
Masking Tape	Felt Block
Roller	
Padded Work Surface	Protective Blanket
<b>Special Chemicals</b>	
VPC Approved Cleaner	

### Legends

	<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.

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**Kit/Hardware Bag Contents for PIO:**

Item #	Quantity	Description
1.	1	TKP Overmold with Molex 5-pin Harness
2.	1	Keypad Button Graphic Sticker
3.	1	TKP Vehicle Harness
4.	3	RED Female T-Taps
5.	3	BLACK Female T-Taps
6.	6	Zip Ties 8"
7.	1	DLC Power & Ground Jumper
8.	1	TKP User Manual
9.	1	TKP Seat Headrest Hangtag

**Kit/Hardware Bag Contents for DIO:**

Item #	Quantity	Part Number	Description
1.	1	00016-00506-DK	Installation Tool Kit
2.	1	00016-00506-DL	DIO-Touch Key Pad Kit
3.	10	00016-00506-BS	DIO-X10 Stickers



Item 1.



Item 2.



Item 3.

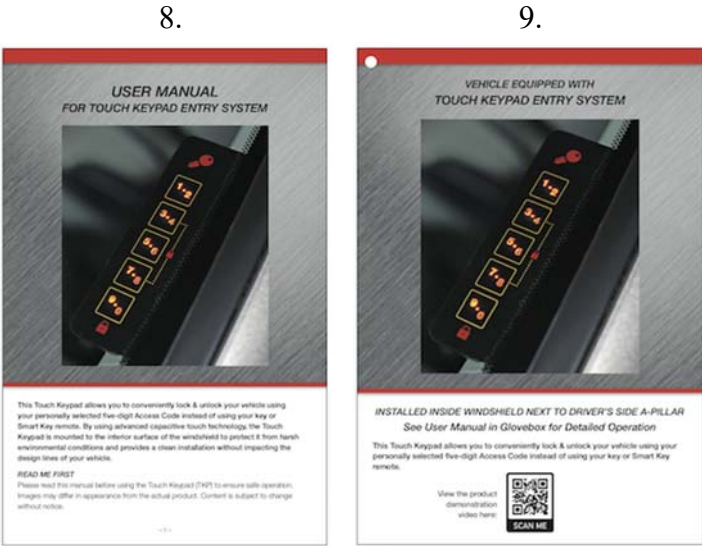
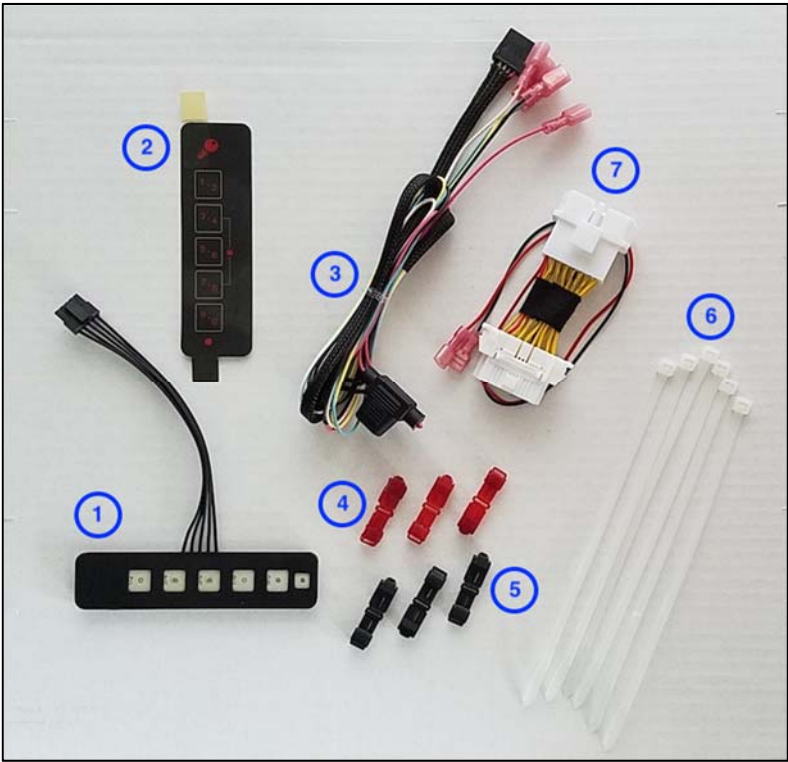
Parts for Installation:

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	TKP Overmold with Molex 5-pin Harness
2.	1	Keypad Button Graphic Sticker
3.	1	TKP Vehicle Harness
4.	3	RED Female T-Taps
5.	3	BLACK Female T-Taps
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8.	1	TKP User Manual
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Service & Warranty Information

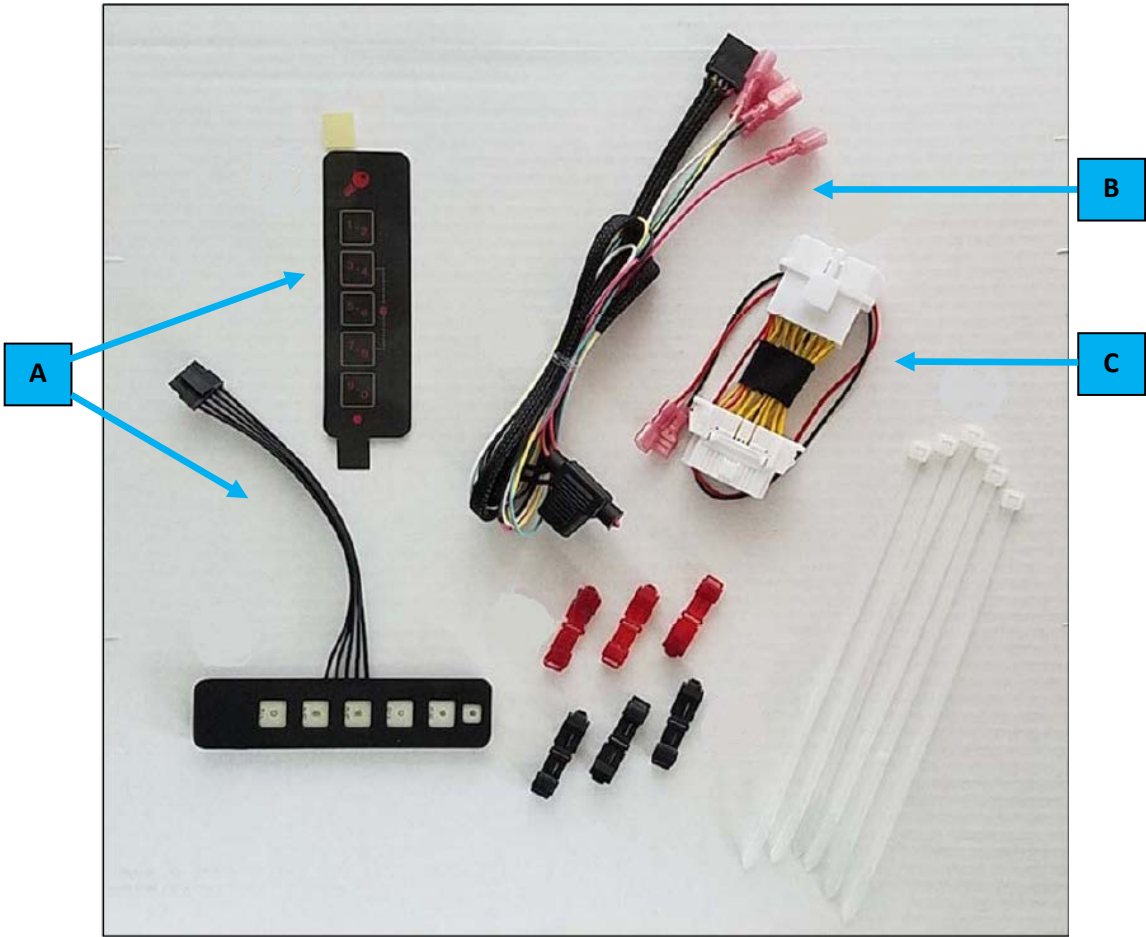
Image Key	Parts information		Warranty Information	
	Part Number	Description	Warranty Time	Labor Op. Code
N/A	00016-00506	Touch Keypad	N/A	N/A
A	00016-00505-01	TKP REPLMNT KEYPAD	0.5	ATK001
B	00016-00505-02	TKP WIRE HARNESS	0.5	AHAR05
C	00016-00555	DLC P&G JUMPER 16PIN	0.5	ATK001

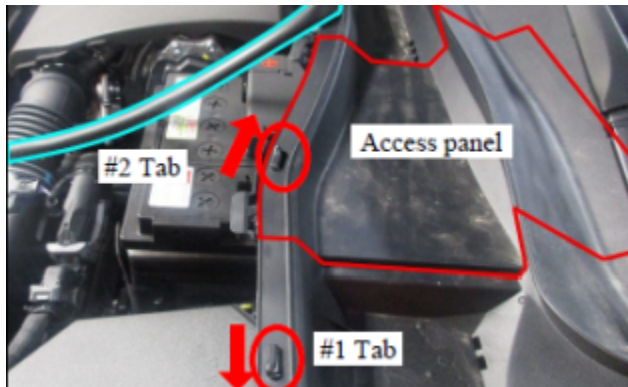
Note: Replacement keypad (Item A) includes two stickers. Wire harness (Item B) includes zip ties and t-taps.

Service & Warranty Information:

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 1-1**

## BATTERY REMOVAL

Prepare for the Installation:

- Prepare for the Installation.
- Protect the fender before starting.
- Confirm the Electric Parking Brake is engaged.
- Locate the hood weather-strip on the cowl trim (outlined in blue, Fig. 1-1).
- Pull the weather-strip outboard and lift to remove it from Tab #1 (Fig. 1-1).
- Push the weather-strip inboard and lift to remove it from Tab #2 (Fig. 1-1).
- Lay the weather-strip away from the cowl (Fig. 1-1).

NOTE: Tab #1 and Tab #2 point in opposite directions. Take care not to damage the weatherstrip during removal.

- Disengage the Access Panel front clips (x2), then lift the panel up and away from the windshield edge to disengage the rear clips.
- Set the panel aside.



Do not disconnect the terminal at the 12mm nut.



Use 10mm socket.

- Remove the NEGATIVE (-) battery terminal by loosening the 10mm terminal nut before starting any disassembly. Figure 1-2.
- Place insulator over negative battery terminal.



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.



**Figure 1-2**

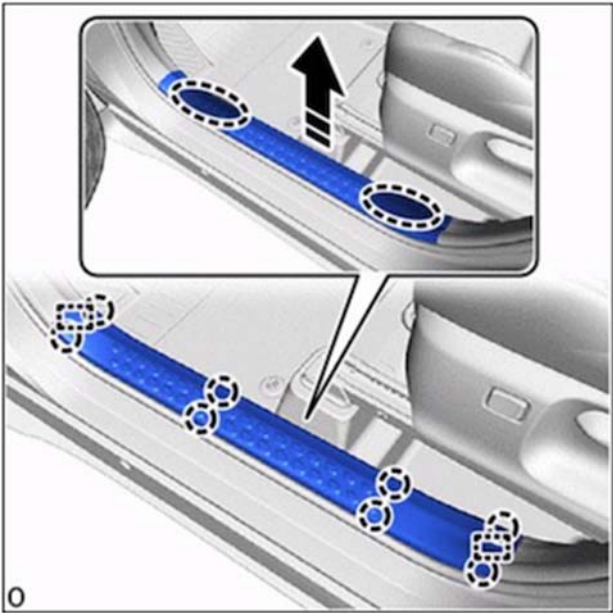





Figure 2

VEHICLE DISASSEMBLY-INSTALLATION  
PROCESS

 Place a protective blanket in the front footwell area.

3. REMOVE FRONT DOOR SCUFF  
PLATE LH

(a) Disengage the claws and guides to  
remove the front door scuff plate LH as  
shown in the illustration. Figure 2.

	Place Hands Here
	Remove in this Direction

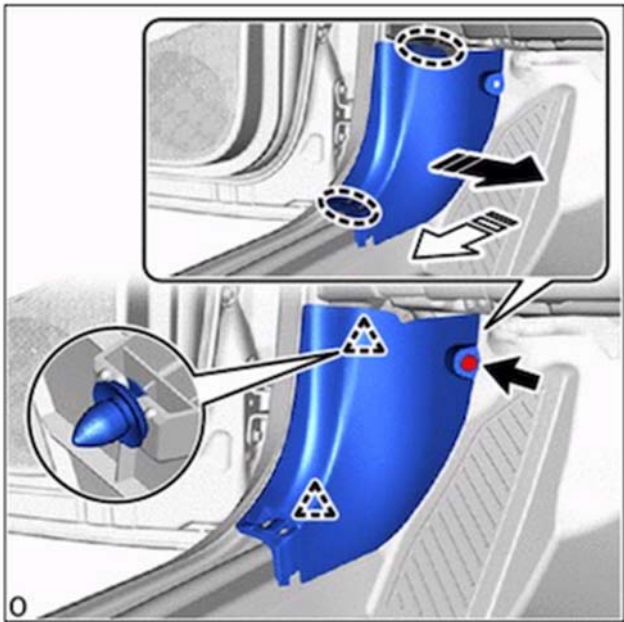




Figure 3

4. REMOVE COWL SIDE TRIM BOARD  
LH

(a) Remove the clip.  
(b) Disengage the clips to remove the cowl  
side trim board LH as shown in the  
illustration. Figure 3.

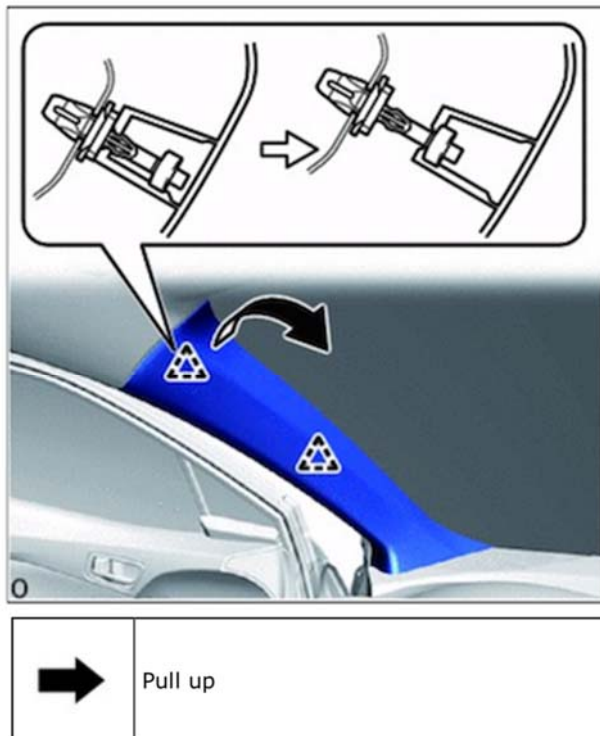
	Place Hands Here
	Remove in this Direction



**Figure 4**

**5. DISCONNECT FRONT DOOR  
OPENING TRIM WEATHERSTRIP LH**

(a) Remove the front door opening trim weatherstrip LH along the A-pillar. Figure 4.

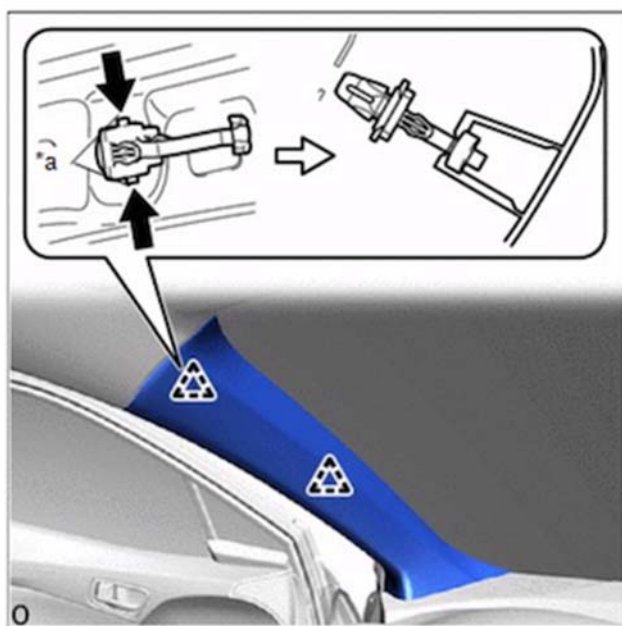


**Figure 5**

**6. REMOVE FRONT PILLAR GARNISH  
LH**

(a) Pull up the front pillar garnish assembly LH to disengage the clips as shown in the illustration. Figure 5.





\*a Release Lever



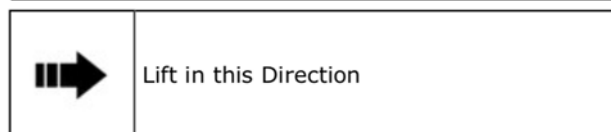
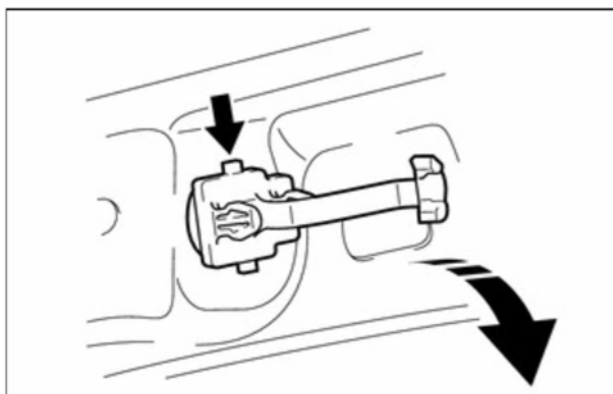
**Figure 6**

(b) Push the release lever and separate the front pillar garnish clips from the vehicle body as shown in the illustration. Figure 6.



Do not re-use the front pillar garnish Clip

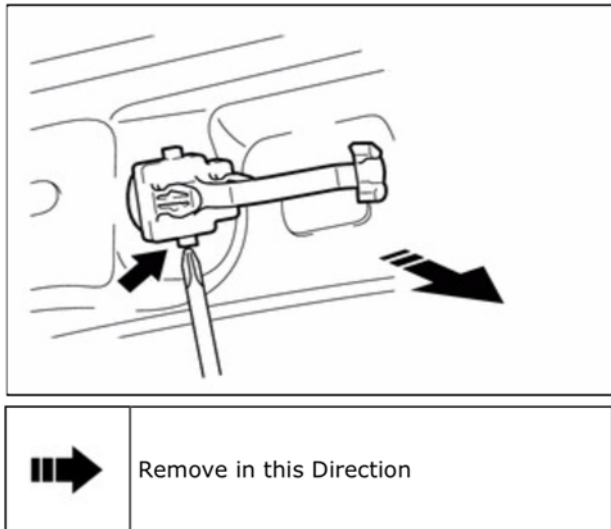
**Part Number: 62217-24020**



**Figure 7**

(c) When the front pillar garnish clip cannot be removed using your fingers:

(1) While pressing the part shown in the illustration with your finger, move the front pillar garnish clip in the direction indicated by the arrow shown in the illustration. Figure 7.

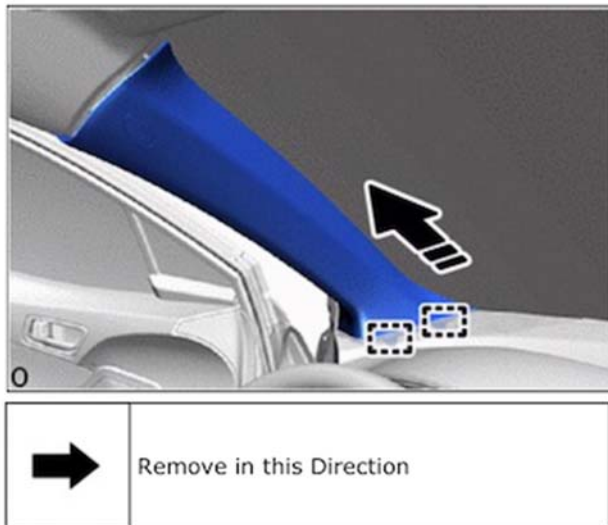
**Figure 8**

(2) While pulling the front pillar garnish clip in the direction indicated by the arrow, push the part shown in the illustration with the end of a screwdriver and remove the front pillar garnish clip. Figure 8.



Do not re-use the front pillar garnish Clip.

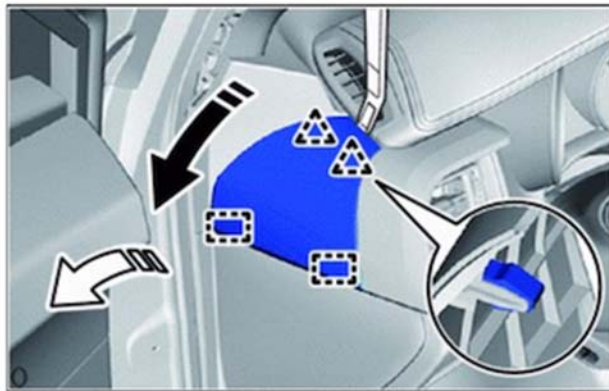
**Part Number: 62217-24020**



**Figure 9**

(d) Disengage the guides to remove the front pillar garnish LH as shown in the illustration. Figure 9.

(e) Remove the front pillar garnish clip.



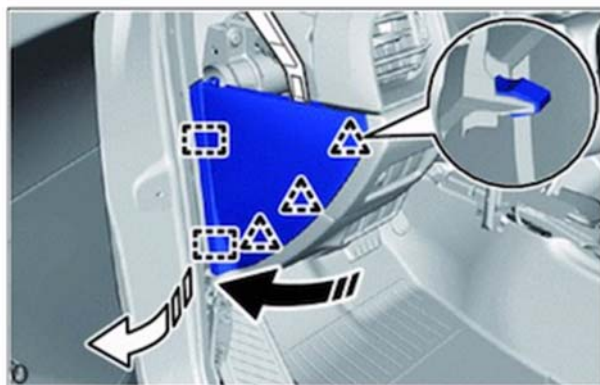




	Remove in this Direction (1)
	Remove in this Direction (2)

**Figure 10**

## 7. REMOVE INSTRUMENT PANEL FINISH END PANEL LH

(a) Using a molding remover, disengage the clips and guides to remove the instrument panel finish end panel LH as shown in the illustration. Figure 10.



	Remove in this Direction (1)
	Remove in this Direction (2)

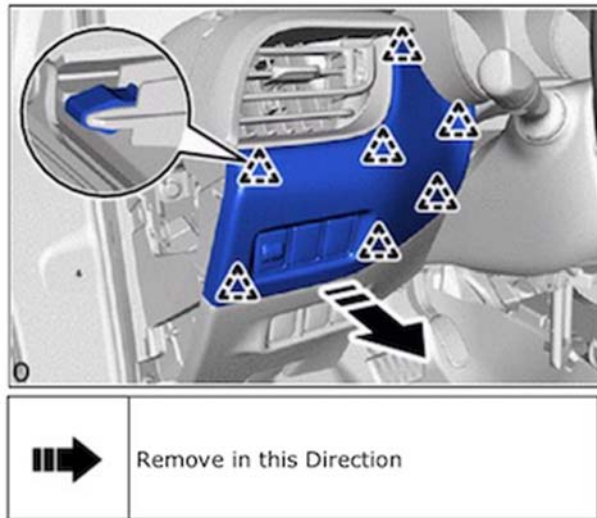
**Figure 11**

## 8. REMOVE INSTRUMENT SIDE PANEL LH

(a) Using a molding remover, disengage the clips and guides to remove the instrument side panel LH as shown in the illustration. Figure 11.

(b) w/ Airbag Cut Off Switch:

(1) Disconnect the connector.

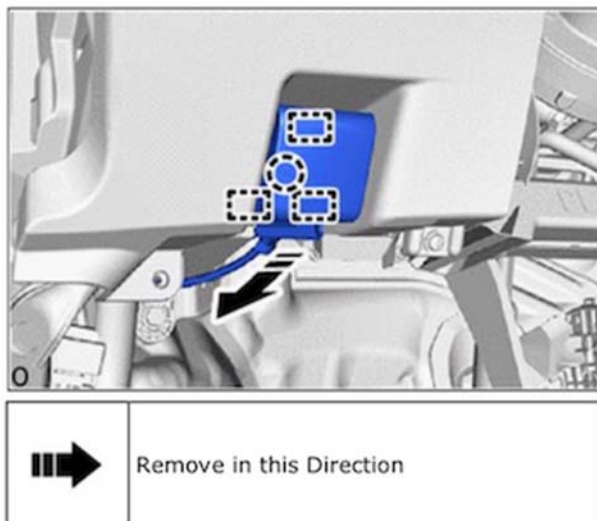
*Figure 12*

#### 9. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY

(a) Disengage the clips to remove the instrument cluster finish panel sub-assembly as shown in the illustration. Figure 12.

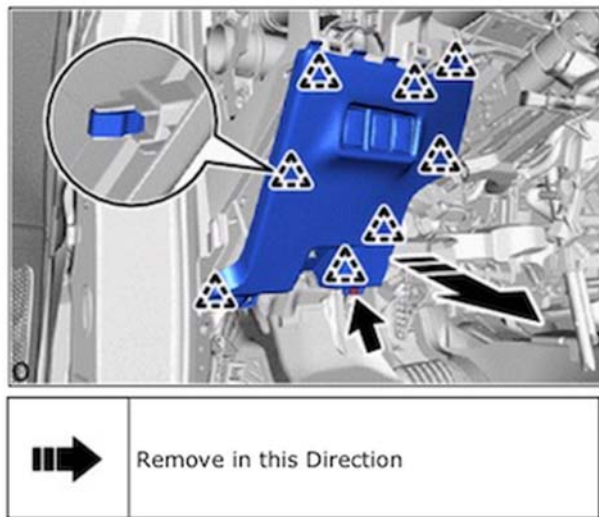
(b) w/ Switch:

(1) Disconnect each connector.

*Figure 13*

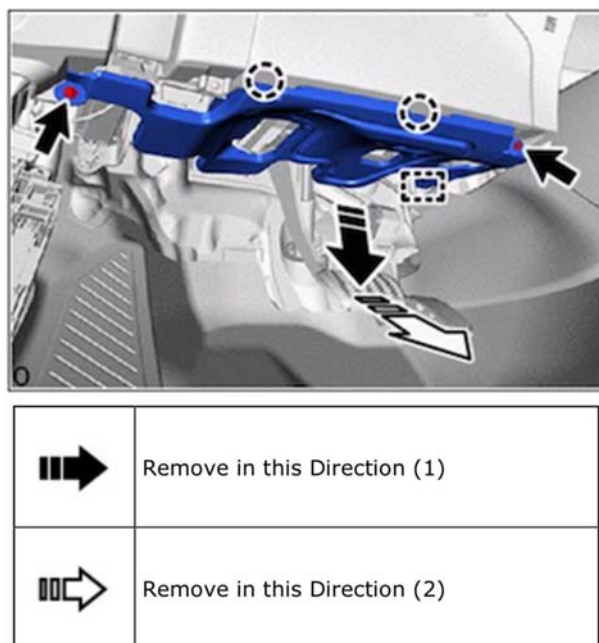
#### 10. DISCONNECT HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

(a) Disengage the claw and guides to disconnect the hood lock control lever sub-assembly as shown in the illustration. Figure 13.

**Figure 14**

### 11. REMOVE FUSE BOX OPENING COVER

- (a) Remove the screw <D>. Figure 14.
- (b) Disengage the clips to remove the fuse box opening cover as shown in the illustration.
- (c) Disconnect each connector.

**Figure 15**

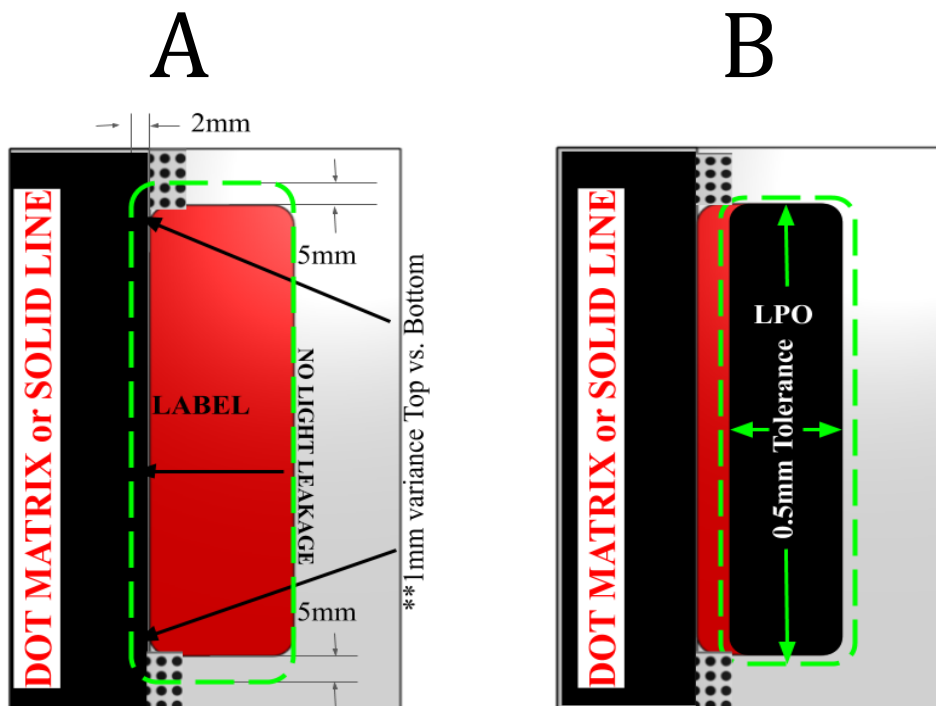
### 12. REMOVE NO. 2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY (w/ Instrument Panel Under Cover)

- (a) Remove the 2 screws. Figure 15.
- (b) Disengage the claws and guide to remove the No. 1 instrument panel under cover sub-assembly as shown in the illustration.

### BUTTON STICKER & BACKHOUSING APPEARANCE STANDARDS

#	Inspection Item	OK Criteria	Photo Reference
1	Window Label Vertical Alignment	<ul style="list-style-type: none"> <li>• +/- 5mm from target</li> </ul>	A
2	Window Label Horizontal Alignment	<ul style="list-style-type: none"> <li>• +/- 2mm from target</li> <li>• No light leakage between Label &amp; Solid Black Out</li> <li>• Dot Matrix +/- 0.5mm</li> </ul>	A
3	Backhousing Vertical & Horizontal Alignment	<ul style="list-style-type: none"> <li>• +/- 0.5mm from target</li> </ul>	B
4	Window Label Visual Defects	<ul style="list-style-type: none"> <li>• Viewed from a customer viewing angle of 18 inches</li> </ul>	C, D, E, F, G
5	Visual Defect White Blotch Glue Wet Out	<ul style="list-style-type: none"> <li>• 3 PCS +/- 0.5mm</li> </ul>	
6	Dust/Dirt/Seed	<ul style="list-style-type: none"> <li>• 1 PCS +/- 1mm</li> </ul>	
7	Ghosting	<ul style="list-style-type: none"> <li>• Contrasting Color 1 PCS +/- 1mm</li> <li>• Non-Contrasting Up to the width of the label</li> </ul>	
<b>Note: Inspection Items 5, 6, and 7 Can Not be combined on the label.</b>			

### Acceptable Examples



## Unacceptable Examples

**C**

*C: Adhesive Marring*

**D**

*D: Adhesive Tack Point*

**E**

*E: Light Leakage*

**F**

*F: Vertical Backhousing Alignment*

**G**

*G: Label Edge Imperfection*





**Figure 16**



**Note:** Accessory and vehicle windshield surface must be at least 50°F at time of installation.



Use magnetic Windshield QC Scale.



Clean the roof panel directly above the windshield to prevent scratches from the magnetic Windshield QC Scale.

### 13. LOCATE THE TKP BACKHOUSING TOP EDGE ON WINDSHIELD

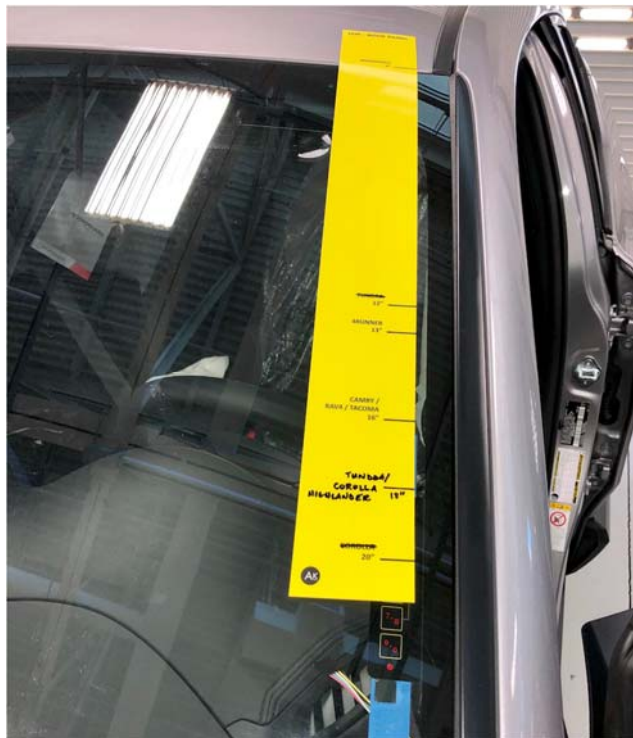
(a) Place the magnetic Windshield QC Scale on the windshield next to the A-pillar as shown. Figure 16.

(b) Locate the magnetic Windshield QC Scale on the windshield by aligning the Windshield 0" line at the top edge of the windshield.

(c) Locate the top edge of the TKP Button Sticker on the windshield at the indicated C-HR 18" line. Figure 17.

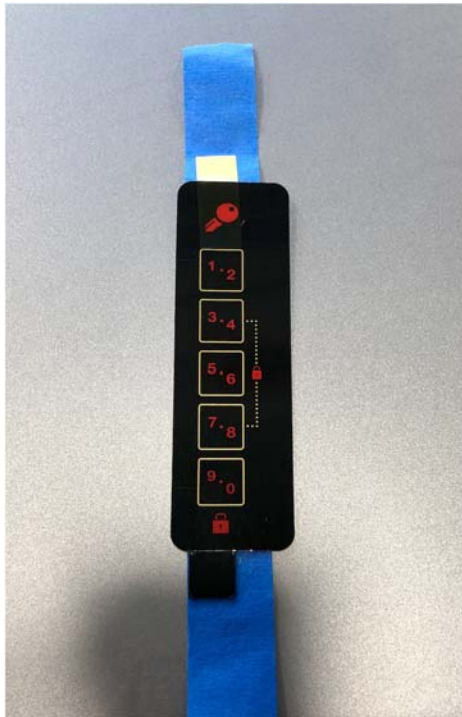
#### Hint:

The magnetic Windshield QC Scale is printed on both sides and can be seen from inside the vehicle.



**Figure 17**





**Figure 18**

**14. AFFIX THE KEYPAD BUTTON GRAPHIC STICKER TO THE INSIDE OF THE WINDSHIELD**



Use Blue Masking Tape.

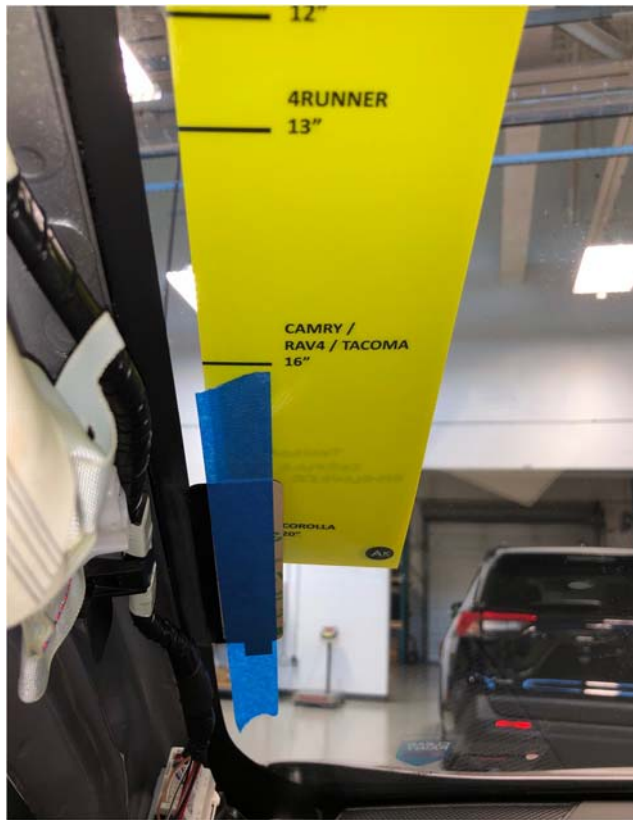


Make sure the inside windshield mounting location for the TKP Button Sticker is clean. Use Ammonia-free Windex or 50/50 Alcohol/Water solution but ensure that the alcohol is fully evaporated before applying the label.



(a) Refer to the QA Standards before affixing the Graphic Sticker to the inside of the windshield.

(b) Apply a strip of blue masking tape on to the backside of the Keypad Button Graphic Sticker. Figure 18..



**Figure 19**

(c) Holding onto the blue masking tape, carefully align the top edge of the Keypad Button Graphic Sticker to the C-HR 18" mark on the magnetic Windshield QC Scale. Figure 19.

(d) At the same time carefully align the left edge of the Button Sticker with the windshield blackout next to the A-pillar.

(e) Once properly positioned, tack the Button Sticker to the windshield using light pressure on both ends of the blue masking tape.

(f) Holding the top end of the blue masking tape, grasp the YELLOW pull tab to remove the protective film completely from the graphic side of the Button Sticker.



### Key Pad Placement



**Figure 20**



**Use a Felt block or wide Moulding Remover. Figure 20**

(g) Smoothly & forcefully press the Moulding Remover down the length of Button Sticker.

**Hint: This can be done from the top or bottom of Sticker.**



**Figure 21**

(h) Make multiple passes over the Button Sticker to achieve maximum wet-out. Figure 21.

(i) Carefully press out any air bubbles or ghost marks using the Moulding Remover.

(j) Remove the strip of blue masking tape.



Inspect any imperfections in the wet-out against the QC Acceptance Criteria. If Button Sticker does not meet criteria, remove Button Sticker and re-apply a new one that meets specification.

(k) Using the bottom BLACK pull tab, remove the protective film from the backside of the Button Sticker.

### 15. AFFIX THE TKP BACKHOUSING TO THE KEYPAD BUTTON GRAPHIC STICKER



Use the Backhousing Alignment tool.



Keep the LED light surface of the TKP Backhousing clean by only handling the sides.

(a) Place the TKP Backhousing into the Alignment Tool as shown. Figure 16.



Insure the TKP Backhousing is pressed securely into the Alignment Tool along the highlighted surfaces and held in place by the two lock tabs #1 & #2.

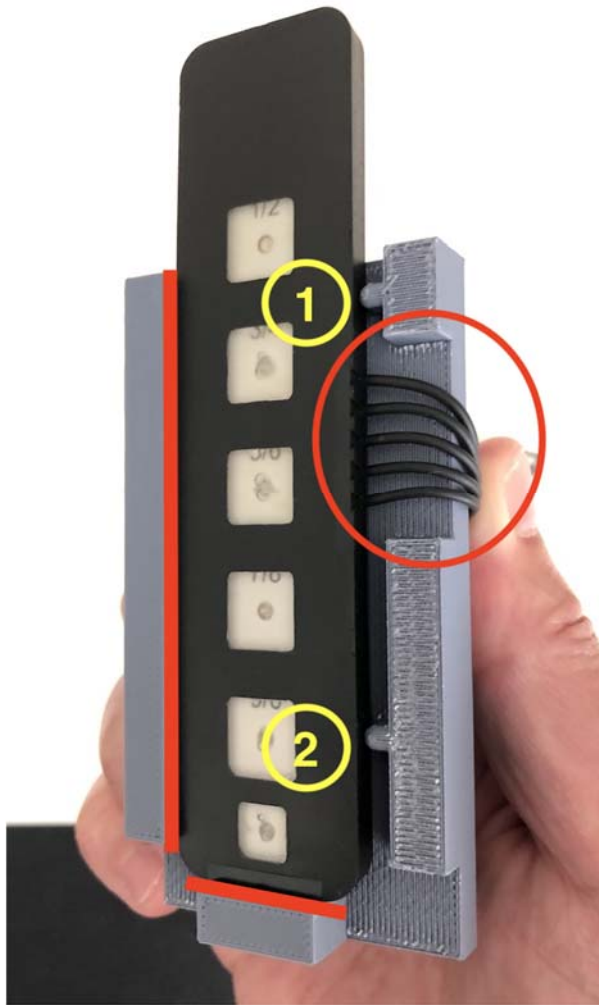
#### Hint:

The TKP Backhousing can be held more securely by pinching the sides of the Alignment Tool together.

(b) Bend the Pigtail Harness back 90-degrees and hold it with your thumb as shown. Figure 22.

#### Hint:

It may be easier to route the pigtail harness under the factory harness along the A-pillar at this point.



**Figure 22**



**Figure 23**

(c) Place the Alignment Tool & TKP Backhousing assembly against the windshield next to the Button Sticker to the lower RH side as shown. Figure 23.



Keep the assembly pressed firmly against the windshield during the following steps.

(d) From inside the vehicle, carefully slide the assembly LEFT towards the A-pillar until it stops against the long-side edge of the Button Sticker.

(e) Carefully slide the assembly UP until it stops against the bottom edge the Button Sticker.



Visually check that the Backhousing is aligned with the Button Sticker.

(f) Press the top of the Backhousing against the Button Sticker to release it from the Alignment Tool.

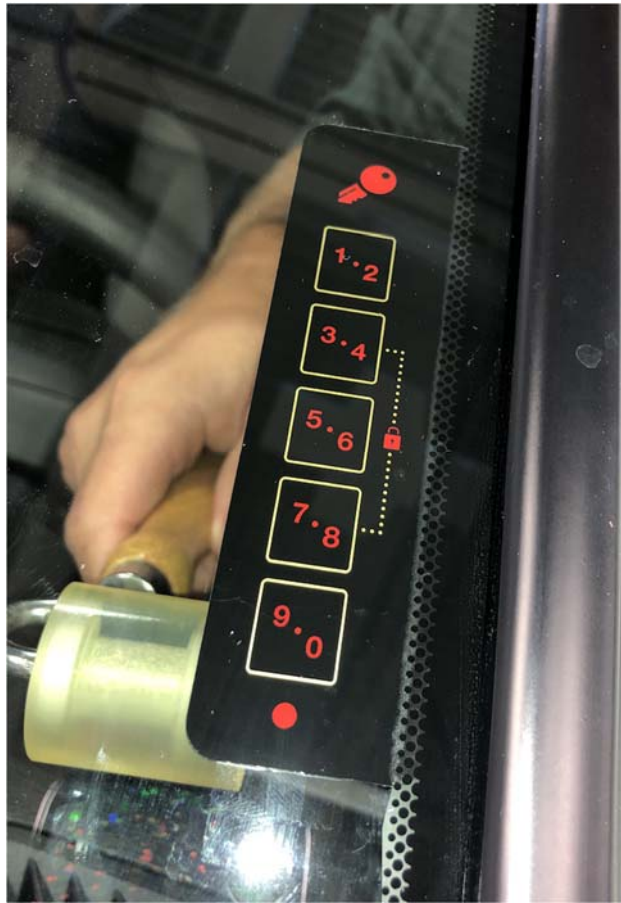
**Hint:**

At this point if necessary, you can still lift the Backhousing from the Button Sticker and adjust the alignment manually.



Inspect any misalignment of the Backhousing against the QC Acceptance Criteria. If the Backhousing does not meet criteria, it must be replaced. You CAN NOT make adjustments to the Backhousing once it is adhered to the Button Sticker.





**Figure 24**

(g) Using your thumb, press at three or four points along the Backhousing against the Button Sticker to firmly set it.



Do not press the Program Button.



Use the Roller.

(h) Firmly press the Roller along the complete length of the Backhousing at least four (4) times to achieve maximum adhesion between the Backhousing and the Button Sticker. Figure 24.



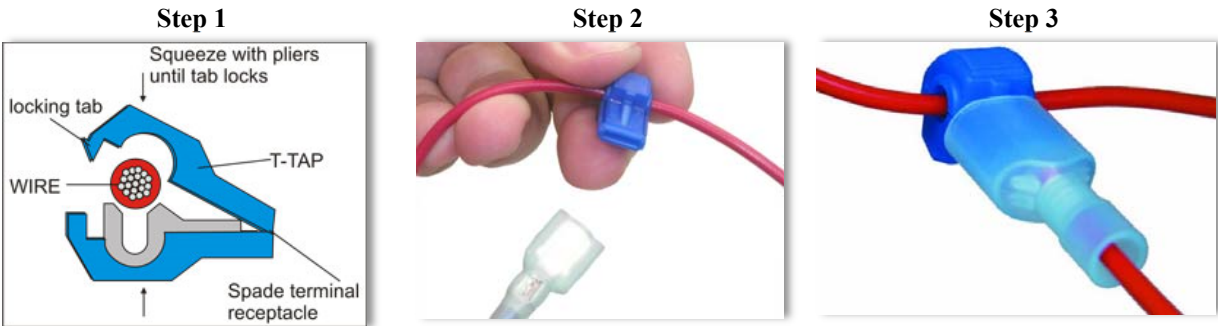


*Figure 25*

(i) Route the TKP Backhousing's pigtail harness behind the factory harnesses along the A-pillar as shown. Figure 25.

T-TAP INSTALLATION

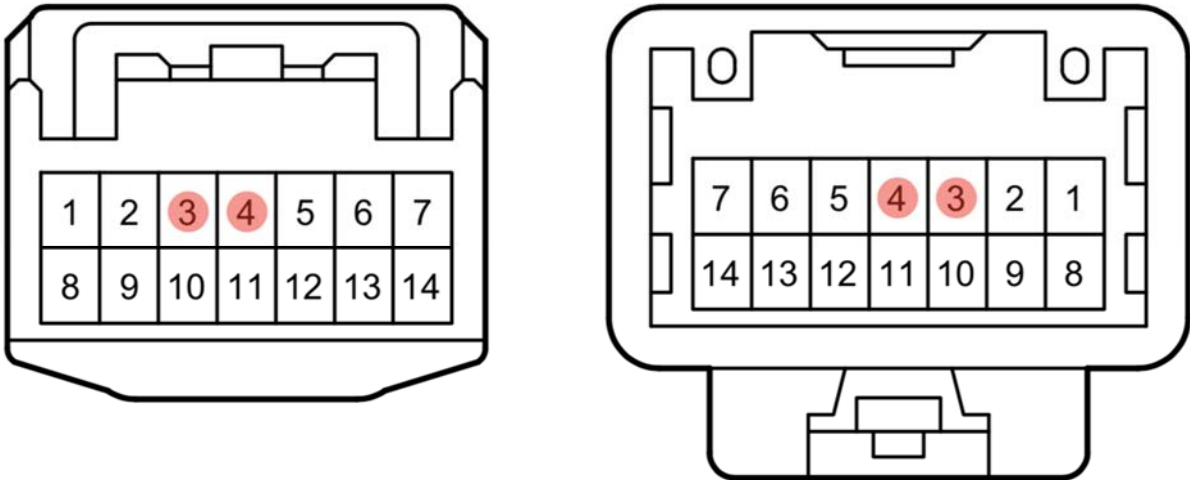
When installing the female T-Tap connectors, be sure the wire is located inside the wire channel of the female T-Tap connector before closing the connector over the wire with pliers.



CONNECTOR MF3: Floor Wire and Instrument Panel Wire (Left Kick Panel)

Location: Lower driver’s side kick panel area

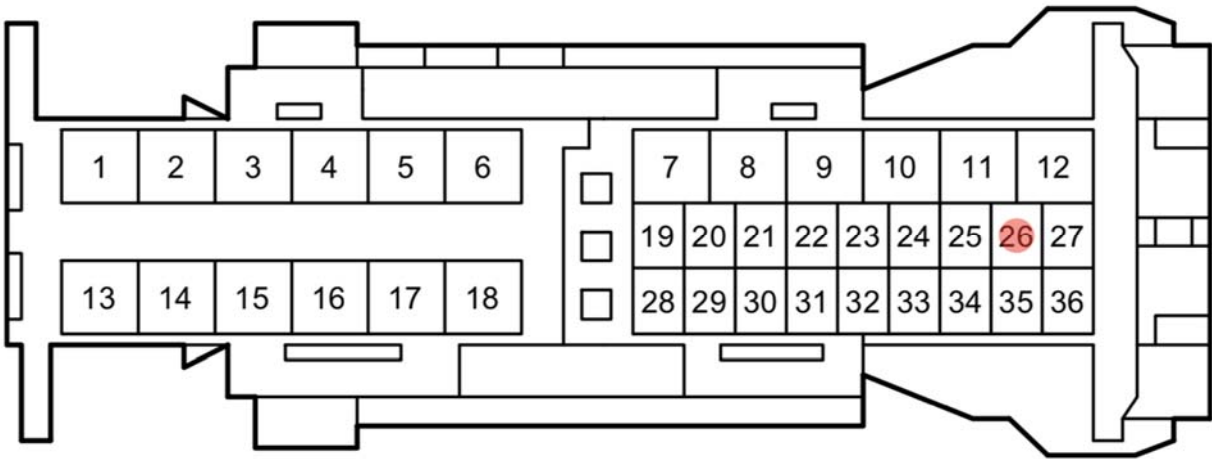
TKP HARNESS	VEHICLE	PIN	T-TAP
Blue - Lock	Green	3	Black
White - Unlock	Blue	4	Black



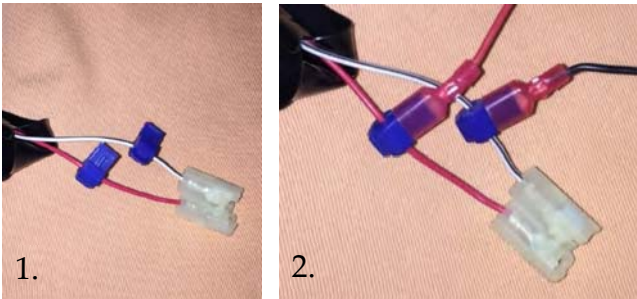
CONNECTOR 3H: Junction Block Connector (LH Instrument Panel)

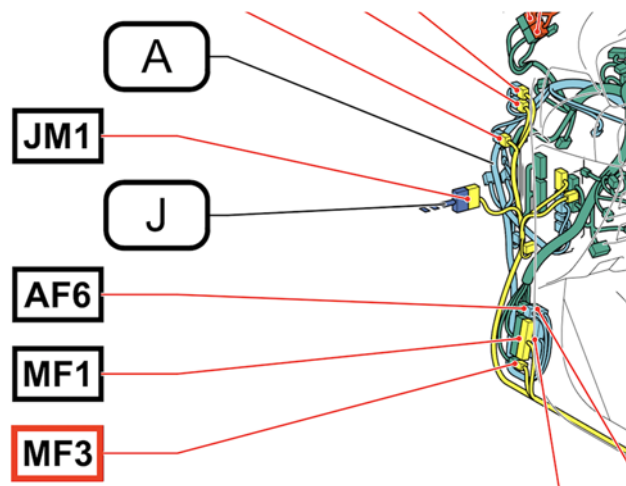
Location: Lower driver’s side kick panel area

TKP HARNESS	VEHICLE	PIN	T-TAP
Yellow - Ignition	Red	26	Black



***Note:** Install the T-Taps in a staggered position on the wires. T-Taps should not be side-by-side nor same distance from the connector. There should be approximately at least one inch of wire remaining between the connector and the closest t-tap to the connector. See Examples 1 & 2.*





16. LOCATE CONNECTOR MF3 IN THE LOWER DRIVER'S SIDE KICK PANEL AREA.

(a) Disconnect connector MF3 (White – 14-pin).

*Figure 26*



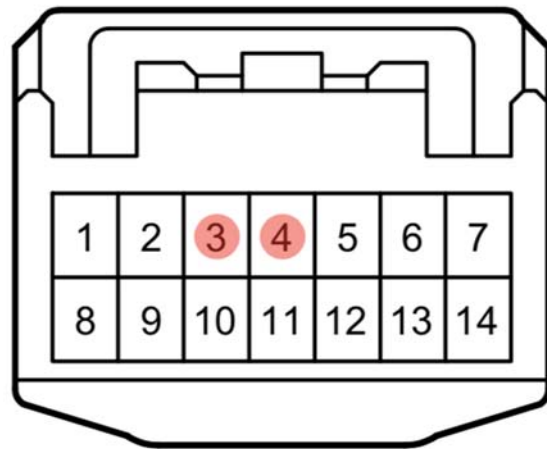
17. LOCATE CONNECTOR MF3 IN THE LOWER DRIVER'S SIDE KICK PANEL AREA.

*Figure 27*

*Figure 28*

#### 18. LOCATE LOCK & UNLOCK WIRES IN CONNECTOR MF3

- (a) Pull back the protective tape to expose at least 2" of the wires behind the connector.
- (b) Separate the LOCK wire (Pin #3 / Color GREEN) from the bundle.
- (c) Separate the UNLOCK wire (Pin #4 / Color BLUE) from the bundle. Figure 28.

*Figure 29*

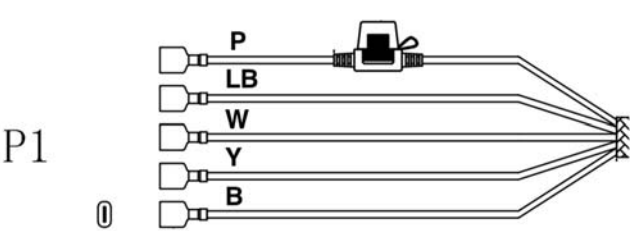
#### 19. T-TAP LOCK & UNLOCK WIRES IN CONNECTOR MF3

- (a) T-Tap the GREEN lock wire (Pin #3) with the supplied BLACK T-tap.
- (b) T-Tap the BLUE unlock wire (Pin #4) with the supplied BLACK T-tap. Figure 29.



Stagger the T-tap connectors as shown.





Before connecting, make sure the TKP Vehicle Harness' male blade connectors P1 are not bent to one side to ensure they insert securely into their corresponding female T-Tap connectors.

TKP VEHICLE HARNESS		WIRE COLOR
1	POWER	PINK
2	LOCK	LIGHT BLUE
3	UNLOCK	WHITE
4	ACC	YELLOW
5	GROUND	BLACK

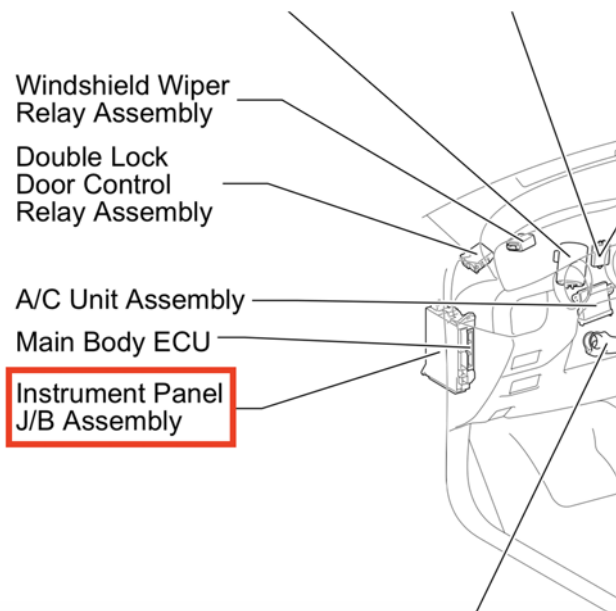


Figure 38

20. CONNECT THE LOCK & UNLOCK WIRES IN CONNECTOR MF3 TO THE TKP VEHICLE HARNESS

- (a) Connect the male spade connector of the TKP Vehicle Harness' LIGHT BLUE wire to the MF3 connector's GREEN lock wire T-tap (Pin #3).
- (b) Connect the male spade connector of the TKP Vehicle Harness' WHITE wire to the MF3 connector's BLUE unlock wire T-tap (Pin #4). Figure 38.
- (c) Reconnect the MF3 connector.

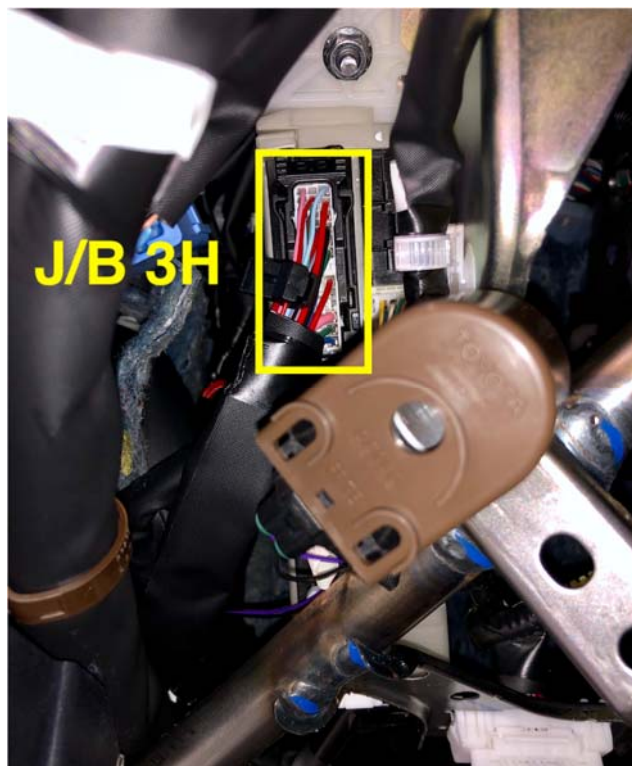




21. LOCATE CONNECTOR 3H IN THE JUNCTION BLOCK (LH Instrument panel Panel)

(a) Locate connector 3H (WHITE 36-pin) in the LH instrument panel area. Figure 30.

*Figure 30*



22. LOCATE REMOTE MIRROR WIRE IN CONNECTOR 3H

(a) Locate connector 3H (WHITE 36-pin) in the LH instrument panel area. Figure 31.

*Figure 31*



**Figure 39**

23. CONNECT THE REMOTE MIRROR WIRE IN CONNECTOR J/B 3H TO THE TKP VEHICLE HARNESS MALE BLADE CONNECTOR P1

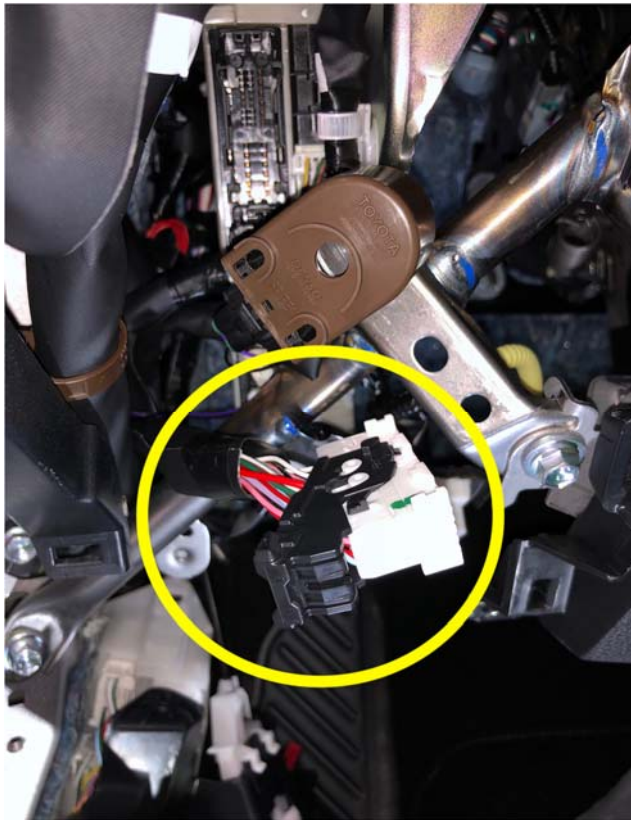
(a) From the lower driver's side kick panel area, route the TKP Vehicle Harness' YELLOW wire to the J/B 3H connector upwards behind the metal tubular instrument panel support arm (follow arrow) as shown in the illustration. Figure 39.

(b) Connect the male blade connector of the TKP Vehicle Harness' YELLOW wire to the J/B 3H connector's RED remote mirror wire using the BLACK T-Tap (Pin 26).



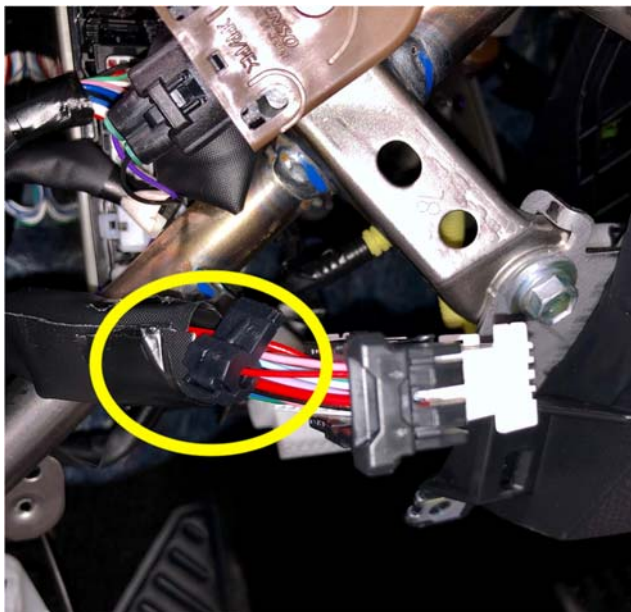
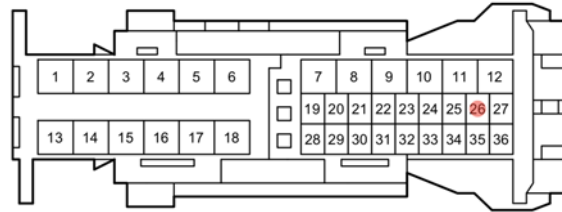
**Figure 40**

(c) Reconnect the connector 3H. Figure 40.

*Figure 32*

#### 24. LOCATE REMOTE MIRROR WIRE IN CONNECTOR J/B 3H

- (a) Disconnect the connector 3H.
  - (b) Separate the REMOTE MIRROR wire (Pin #26 / Color RED) from the bundle.
- Figure 32.

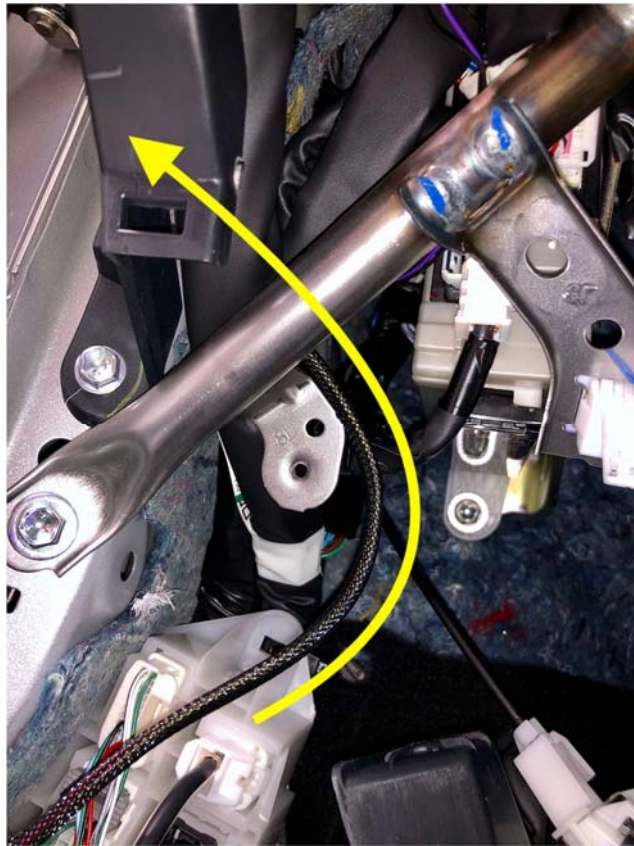
*Figure 33*

#### 25. T-TAP REMOTE MIRROR WIRE IN CONNECTOR 3H

- (a) T-Tap the RED remote mirror wire (Pin #26) with the supplied BLACK T-tap.
- Figure 33.



## 26. ROUTE TKP VEHICLE HARNESS TO

*Figure 34*

- (a) Hold the TKP Vehicle Harness with the Female Molex 5-pin Connector P2 oriented up towards the A-pillar.
- (b) From the lower driver's side kick panel area, route the TKP Vehicle Harness upwards behind the metal tubular instrument panel support arm to the side of the door edge opening and the instrument side panel LH as shown in the illustration. Figure 34.

*Figure 35*

## 27. ROUTE TKP VEHICLE HARNESS TO A-PILLAR

- (a) The TKP Vehicle Harness should route out through the instrument side panel LH to the door opening as shown. Fig. 35
- (b) Pull the TKP Vehicle Harness up the side of the instrument side panel LH up to the A-Pillar.



*Figure 36*

**28. ROUTE TKP VEHICLE HARNESS TO A-PILLAR**

(a) The TKP Vehicle Harness should exit the LH opening in the instrument panel up to the A-Pillar as shown. Fig. 36



*Figure 37\**

**29. SECURE THE TKP VEHICLE HARNESS MOLEX 5-PIN CONNECTOR**

(a) Connect the TKP Molex (male) connector from the Backhousing pigtail to the Molex (female) connector on the Vehicle Harness to prevent it from falling down. Figure 37.





**Figure 41**

### 30. INSTALL DLC POWER & GROUND JUMPER

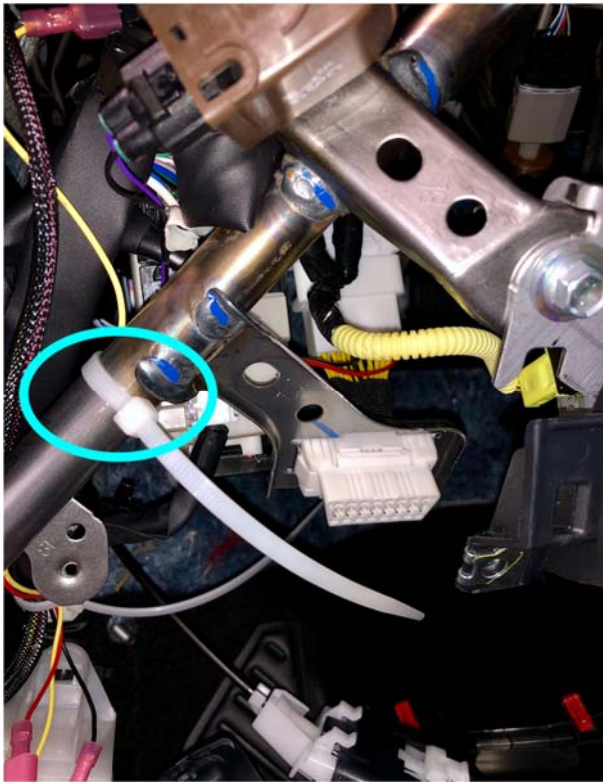
- (a) Locate the vehicle's white DLC connector beneath the steering column.
  - (b) Disconnect it from the metal bracket.
  - (c) Connect the DLC Power & Ground Jumper to the vehicle's DLC connector.
- Figure 41.



**Figure 42**

### 31. CONNECT THE DLC POWER & GROUND JUMPER WIRES

- (a) Connect the DLC Power & Ground Jumper to the metal bracket. Figure 42.
- (b) Route the DLC Jumper's power (RED) & ground (BLACK) wires up and over the metal tubular instrument panel down towards connector MF3.
- (c) Connect the male blade connector of the DLC Jumper's RED power wire to the TKP Vehicle Harness PINK power wire's female connector.
- (d) Connect the male blade connector of the DLC Jumper's BLACK ground wire to the TKP Vehicle Harness BLACK ground wire's female connector.



**Figure 43**



Use one (1) 8" zip tie.

### 32. ROUTE THE DLC POWER & GROUND JUMPER WIRES

(a) Secure the DLC Jumper's power & ground wires to the metal tubular instrument panel support arm with a supplied 8" zip tie as shown. Figure 43.

(b) Snip the excess zip tie length.



**Figure 44**



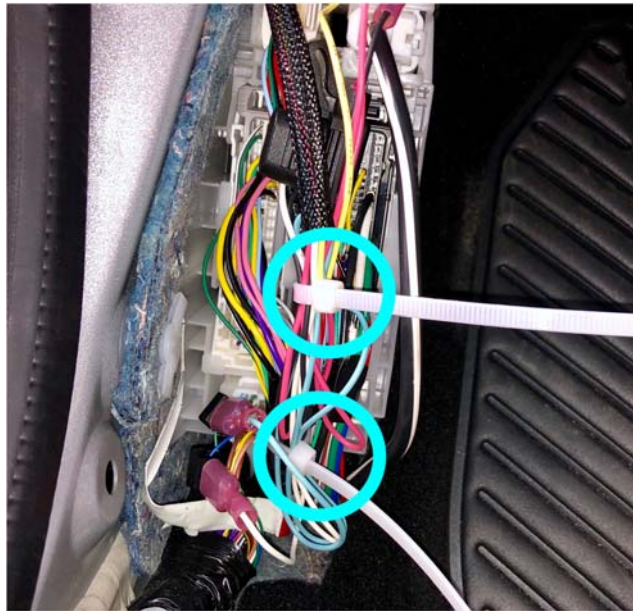
Use one (1) 8" zip tie.

### 33. BUNDLE & SECURE THE TKP VEHICLE HARNESS WIRES AT CONNECTOR O11

(a) Secure the TKP vehicle harness wires & DLC Power & Ground Jumper wires to the factory harness with one (1) of the supplied 8" zip ties as shown. Figure 44.

(b) Snip excess zip tie length.





**Figure 45**



Use two (2) 8" zip ties.

**34. BUNDLE & SECURE THE TKP VEHICLE HARNESS WIRES ABOVE CONNECTOR MF3**

(a) Bundle & secure the TKP vehicle harness wires to the factory harness with two (2) of the supplied 8" zip ties as shown.

Figure 45.

(b) Snip excess zip tie lengths.

(c) Make sure the inline fuse is accessible so that it can be serviced without removing any zip ties.



**Figure 46**



All TKP Vehicle Harness wires should follow factory harnesses and be securely routed to avoid any moving parts. Figure 46.



**Figure 47**

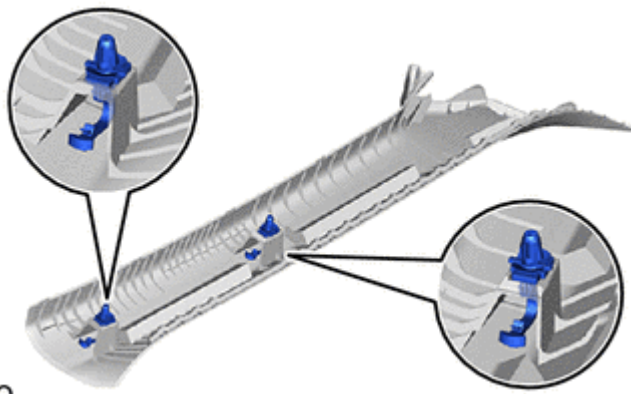


Use one (1) 8" zip tie.

**35. SECURE THE TKP VEHICLE  
HARNESS MOLEX 5-PIN  
CONNECTOR**

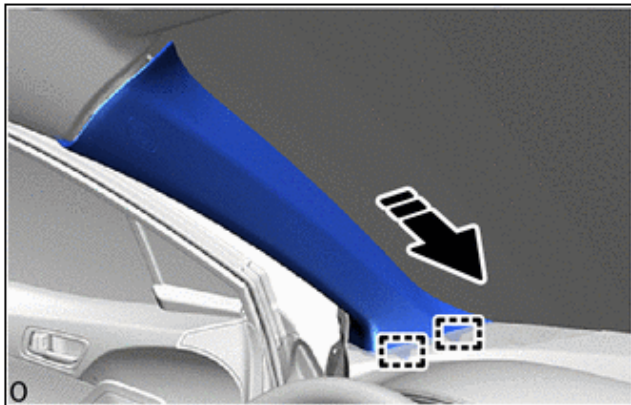
- (a) Secure the TKP Vehicle Harness Female Molex 5-pin Connector P2 to the factory harness at the A-pillar with a supplied 8" zip tie. Figure 47.
- (b) Snip the excess zip tie length.

Note: For reassembly steps please refer to pages 7-13 by doing in reverse order.



O

Figure 48



O

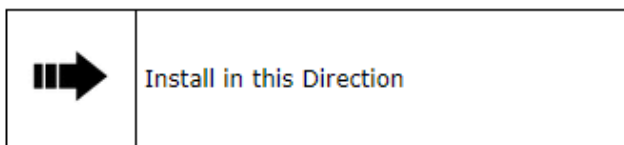
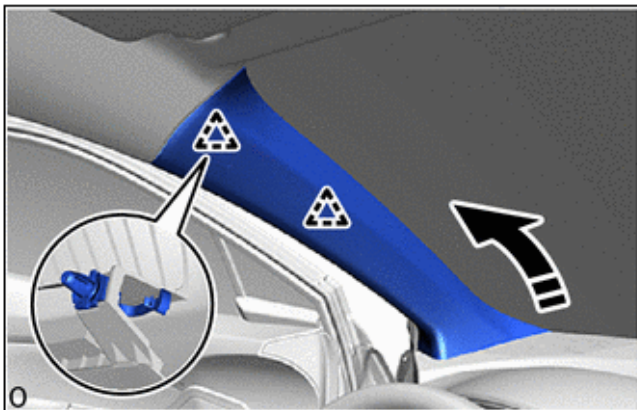


Figure 49



O

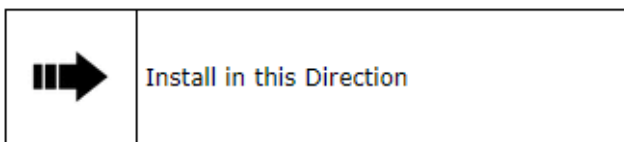


Figure 50

## VEHICLE REASSEMBLY

36. Install LH Front Pillar Garnish.

- a. Install the 2 front pillar garnish clips to the front pillar garnish LH. Figure 48.



**NOTE: Both front pillar garnish clips must be replaced.**

**A-Pillar Clip Part# 62217-24020 (Need 2)**

- b. When installing the front pillar garnish clip, make sure to install it in the correct position and facing in the correct direction. Figure 49

- c. Engage the guides as shown in the illustration. Figure 49

- d. Engage the clips to install the front pillar garnish LH as shown in the illustration. Figure 50



**37. INSTALL FUSE BOX OPENING COVER**

- (a) Connect each connector.
- (b) Engage the clips to install the fuse box opening cover. Install the screw.
- (c) Engage the guides and claw to connect the hood lock control lever sub-assembly.

**38. INSTALL INSTRUMENT CLUSTER FINISH PANEL SUB-ASSEMBLY**

- (a) Connect each connector.
- (b) Engage the clips to install the instrument cluster finish panel sub-assembly.

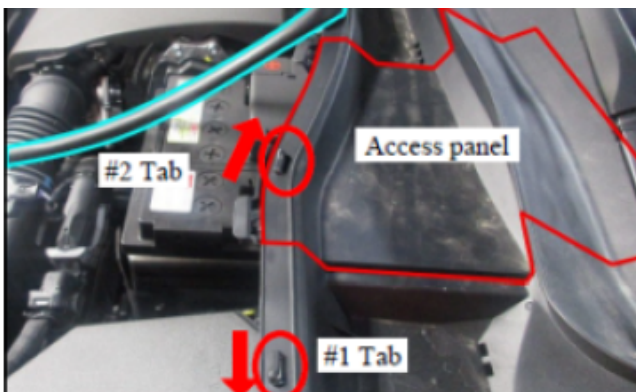
**39. INSTALL INSTRUMENT SIDE PANEL LH****40. INSTALL INSTRUMENT PANEL FINISH END PANEL LH****41. INSTALL NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY**

- (a) Engage the guide and claws to install the No. 1 instrument panel under cover sub-assembly as shown in the illustration. Install the 2 screws.

**42. INSTALL COWL SIDE TRIM BOARD LH****43. INSTALL FRONT DOOR SCUFF PLATE LH**



**Figure 51**



**Figure 52**

## RE-INSTALL BATTERY



Use 10mm socket & torque wrench.

44. Reconnect the negative battery cable.  
Figure 51.



Torque: 48 in•lbs [5.4 N•m]



Caution: DO NOT touch the positive terminal.



When disconnecting the cable, some systems need to be initialized after the cable is reconnected.

45. Re-Install Access Panel. Fig. 52  
Note: If needed, refer to page 6 for reverse order.


46. Print Warranty Statement and place in the glove box, DIO only.

**FUNCTION AND QUALITY CHECK**

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

ACCESSORY FUNCTION CHECK:

LOOK FOR:

 **With keys out of the vehicle and the Driver's Side window in the down position.**

**TKP FUNCTION CHECK:****1) First Time Use**

- a. To guard against accidental lock, the Keypad awakes inactive.
- b. In this state, the confirmation and digit button LEDs quickly flashes three (3) times when awoke to signal there is no Access Code programmed.
- c. Then Keypad will immediately re-enter the sleep state.

**2) Set 5-digit Access Code**

- a. Press the Program button.
  - i) Digit confirmation LED and all digit button LEDs illuminate.
- b. Enter the 5-digit Access Code 1-3-5-7-9.
  - i) Confirmation LED flashes with each accepted digit entry.
  - ii) When the new 5-digit Access Code is set, all Keypad LEDs quickly flash three times.
- c. Keypad allows 20 seconds after each touch to enter a new code.
- d. If you enter an incomplete or incorrect Access Code, simply press the Program button and repeat the steps above.

**3) Lock All Doors**

- a. Using multiple finger tips, touch any of the digit buttons to wake up the Keypad.
- b. Touch & hold the 3/4 & 7/8 digit buttons simultaneously.
  - i) Confirmation LED quickly flashes five (5) times.
  - ii) You should also hear all doors lock. (background noise permitting)
- c. Keypad goes to sleep (all digit button LEDs turn off) after about 10 seconds.

**4) Unlock Driver's Door**

- a. Using multiple finger tips, touch any of the digit buttons to wake up the Keypad.
- b. Enter the 5-digit Access Code 1-3-5-7-9.
- c. Confirmation LED flashes with each accepted digit entry.
- d. Confirmation LED flashes long once when the Driver's door is unlocked.
- e. You should hear the Driver's door unlock. (background noise permitting)
- f. To unlock all doors, enter the 5-digit Access Code 1-3-5-7-9 & continue to hold the 9 key down for at least 1 second.
- g. Confirmation LED quickly flashes twice when all the other doors are unlocked.

**5) Turn Key on to Ignition Power**

- a. With ignition turned On, verify the numbers 1-3-5-7-9 do not illuminate.  
Note: Confirmation LED will flash.

**6) Return to Factory Reset State (Keypad Disabled)**

- a. Press & hold the Program button for about 10 seconds.
- b. In this state when awake, the confirmation and digit button LEDs.  
will blink three times to signal there is no code programmed.

**7) Check function of all disconnected switches**

User Manual

Place User Manual in the glove box.



Headrest Hangtag

Hang Seat Headrest Hangtag from driver's seat headrest.



Check Speaker

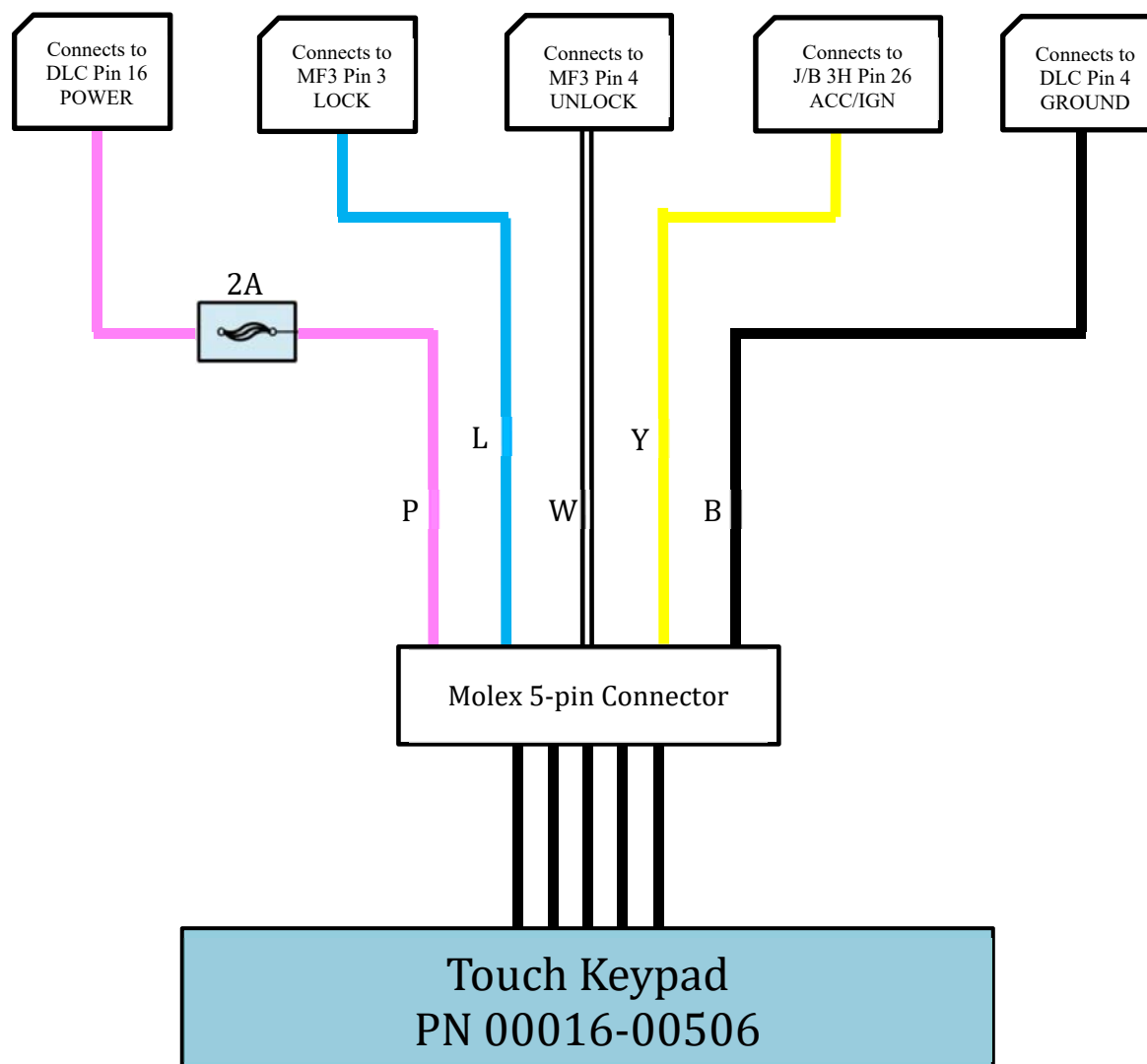
Left Front A-Pillar Speaker, if applicable.



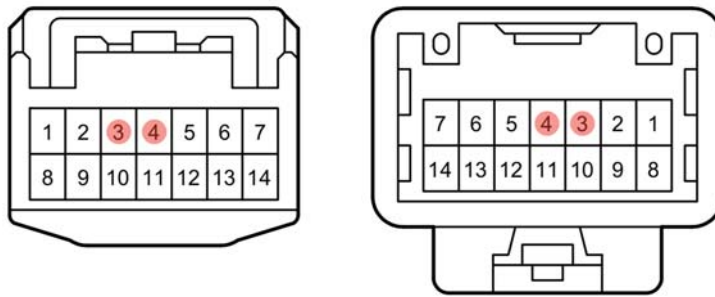
Warranty Statement

Place Warranty Statement in the glovebox, DIO only.

## DIAGNOSTIC / BLOCK DIAGRAMS &amp; CONNECTOR PROCEDURES





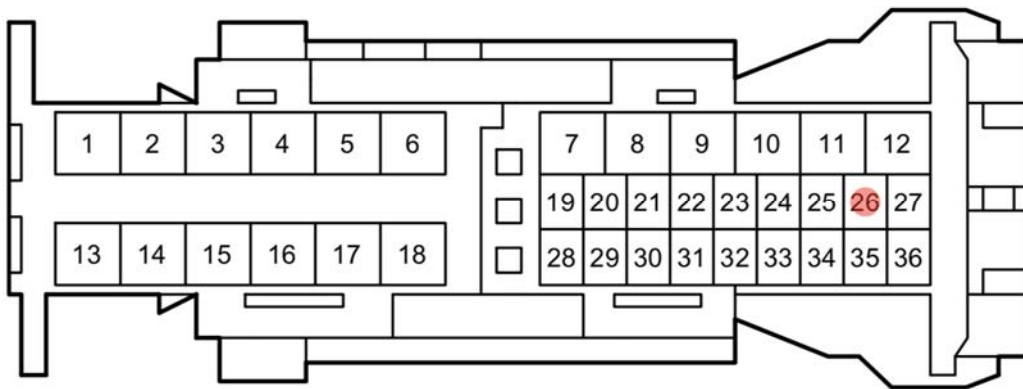


**Connector**  
**O11 Pin 30**  
**LOCK**

Pin	Wire Color	Test Reference	Proper Operation
3	G	Pin 3 to Ground	12-14VDC

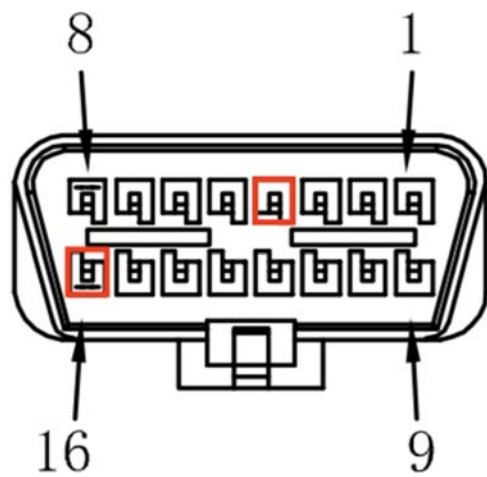
**Pin 31**  
**UNLOCK**

Pin	Wire Color	Test Reference	Proper Operation
4	L	Pin 4 to Ground	12-14VDC



**J/B Connector**  
**3D**  
**Pin 26**  
**IGNITION**

Pin	Wire Color	Test Reference	Proper Operation
26	R	Pin 26 to Ground	12V when ACC or IGN is ON



**DLC Jumper**  
**Pin 4**  
**GROUND**

Pin	Wire Color	Test Reference	Proper Operation
4	B	Pin 4 to Ground	0VDC

**Pin 16**  
**POWER**

Pin	Wire Color	Test Reference	Proper Operation
16	R	Pin 16 to Ground	Approximately 0VDC when IGN is OFF and +12VDC when IGN is ON



## 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.

Rev. 12/01/16

**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.**