



Southeast Toyota Distributors, LLC

Southeast Toyota Distributors, LLC Accessory Installation Instructions

2021 COROLLA, H/B, HYBRID TOUCH KEYPAD

Recommended Tools

Year & Model:	2021 COROLLA
Part Number:	00016-00506
Accessory Code:	KP1000
PIO / DIO:	PIO & DIO
Business Partner:	J56

Safety Items	
Safety Glasses	Safety Gloves
Special Tools	
Backhousing Alignment Tool	Windshield QC Scale
Temperature probe /Heat Gun	
Installation Tools	
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
Special Chemicals	
VPC Approved Cleaner	

Conflicts

Note: None

General Applicability

Fits Models:	
1.	All Models
2.	
3.	

Additional Items Required For Installation

Item#	Description:
1	62217-42050; (2) A-Pillar Clip Needed
2	

Sequence of Application

Item#	Accessory:
1	N/A
2	

SPECIAL NOTE: 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.

Legend

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

Document History Revisions

Version	Date	Description of Changes Made
Ver. 1	06/01/2020	Document Published for 2021 Model

Table of Contents

I. Preparation.....1-6

a. History of Revisions.....2

b. Table of Contents.....3

c. Kit/Hardware & Wire Harness Bag Contents.....4

d. Parts for Installation..... 5

e. Service & Warranty Information6

II. Procedures

a. Battery Removal.....7

b.Vehicle Disassembly – Installation Process..... 8-42

III. Re-install Battery..... 43

IV. Function and Quality Checks..... 44-45

V. Diagnostic / Block Diagrams & Connector Procedures.....46-48

VI. Warranty Statement.....49-50

Kit/Hardware Bag Contents:

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
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6.	6	Zip Ties 8"
7.	1	DLC Power & Ground Jumper
8.	1	TKP User Manual
9.	1	TKP Seat Headrest Hangtag



8.



9.



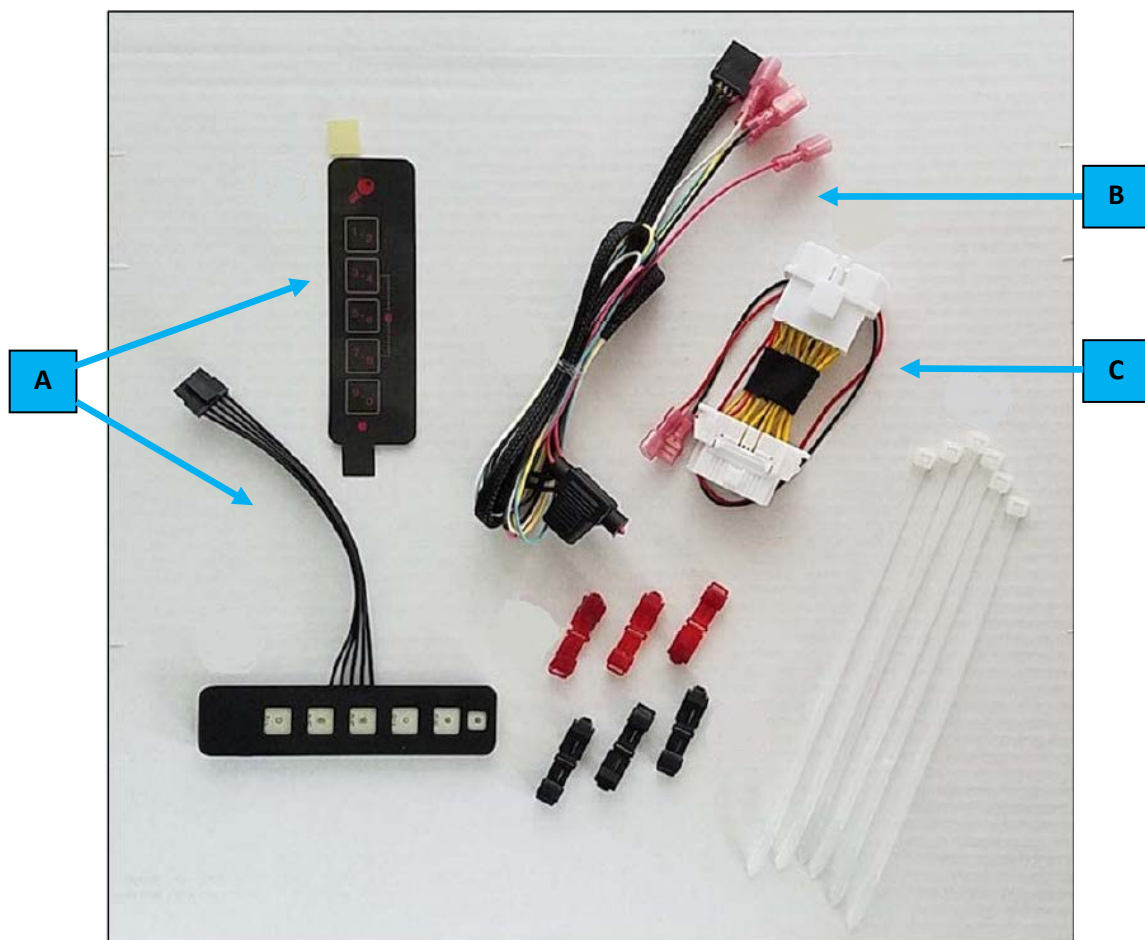
Service & Warranty Information

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 for claim payment instructions.

Image:

*Figure 1-1*

BATTERY REMOVAL

Prepare for the Installation:

- (a) The engine components and coolant may be hot.
- (b) Check the kit for contents and any damage.
- (c) Protect the fender.

Note: For Gas vehicles, the battery is in the engine compartment.

For Hybrid vehicles, the battery is in the trunk.

Remove the battery cover by disengaging the top clip. Figure 1-1.

*Figure 1-2*

Do not disconnect the terminal at the 12mm nut.



Use 10mm socket.

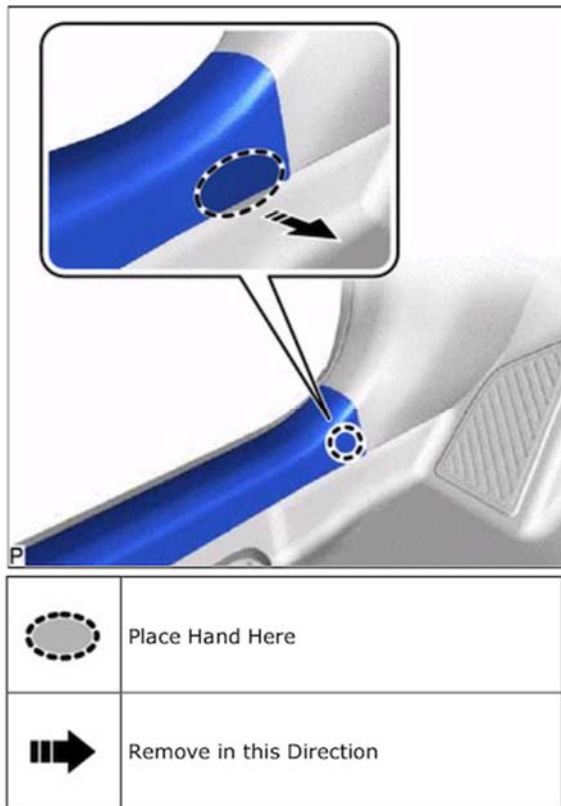
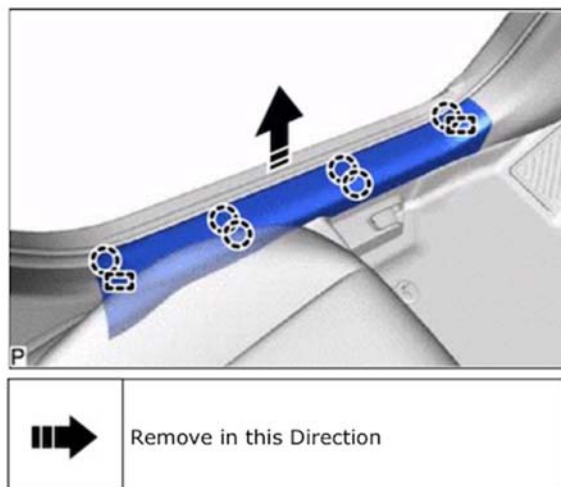
1. Remove the NEGATIVE (-) battery terminal by loosening the 10mm terminal nut before starting any disassembly. Figure 1-2.
2. Place insulator over negative battery terminal.



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 2**Figure 3*

VEHICLE DISASSEMBLY-INSTALLATION PROCESS

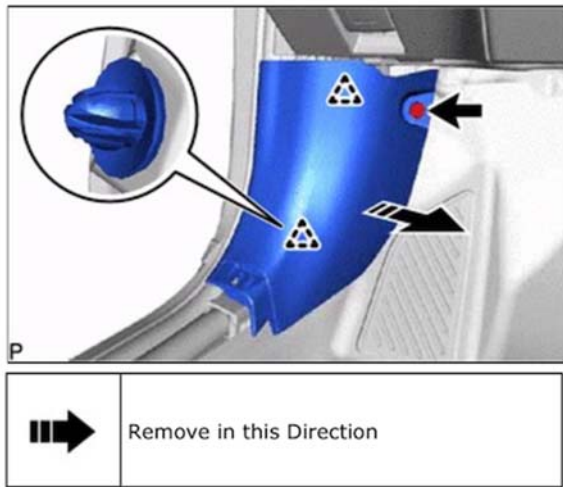


Place a protective blanket in the front footwell area.

3. REMOVE FRONT DOOR SCUFF PLATE LH

(a) Disengage the claw as shown in the illustration. Figure 2.

(b) Disengage the 6 claws and 2 guides to remove the front door scuff plate LH as shown in the illustration. Figure 3.

*Figure 4*

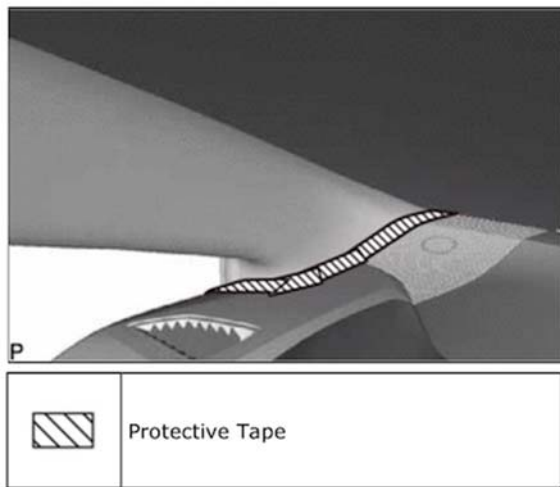
4. REMOVE COWL SIDE TRIM SUB-ASSEMBLY LH

- (a) Remove the clip.
- (b) Disengage the 2 clips to remove the cowl side trim sub-assembly LH as shown in the illustration. Figure 4.

*Figure 5*

5. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP LH

- (a) Remove the front door opening trim weatherstrip LH along the A-pillar. Figure 5.



*a - Protective Tape

Figure 6

6. REMOVE FRONT PILLAR GARNISH LH

(a) Apply protective tape around the front pillar garnish LH as shown in the illustration. Figure 6.

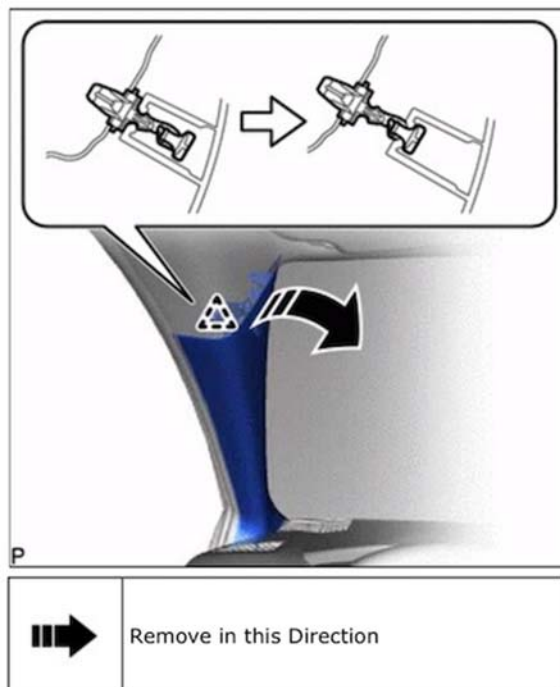
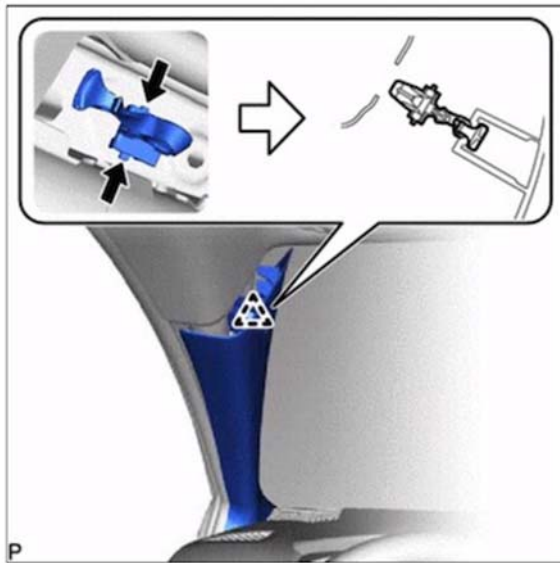


Figure 7

(b) Pull the upper part of the front pillar garnish LH toward the inside of the cabin as shown in the illustration to disengage the front pillar garnish LH from the base of the front pillar garnish clip.

HINT:

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

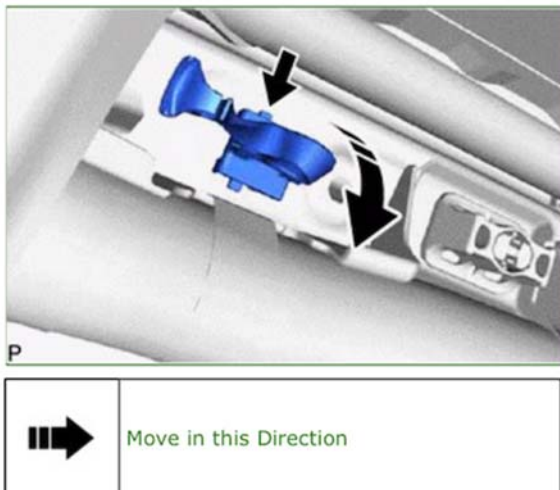
*Figure 8*

(c) While pushing the tabs of the front pillar garnish clip as shown in the illustration, disengage it. Figure 8.



Do not re-use the front pillar garnish clip.

Part Number: 62217-42050 Need 2

*Figure 9*

HINT:

When the front pillar garnish clip cannot be disengaged easily:

1. While pushing the tab of the front pillar garnish clip shown in the illustration with your finger, move the front pillar garnish clip in the direction shown in the illustration. Figure 9.

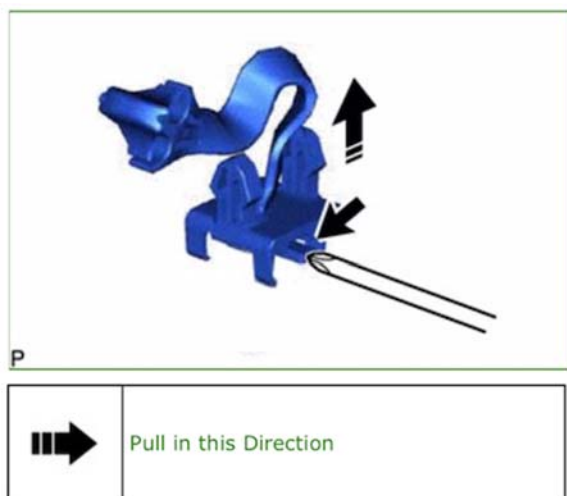


Figure 10

2. While pulling the front pillar garnish clip as shown in the illustration, push the tab of the front pillar garnish clip shown in the illustration with a screwdriver and disengage the front pillar garnish clip. Figure 10.

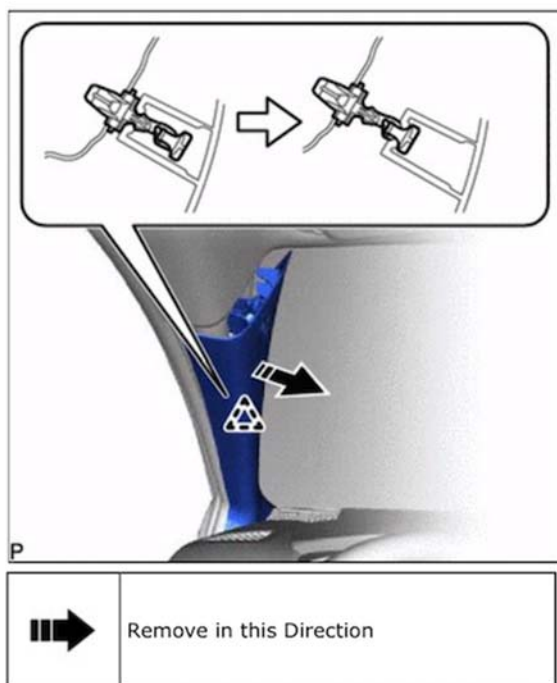


Figure 11

(d) Disengage the front pillar garnish LH from the base of the front pillar garnish clip as shown in the illustration. Figure 11.



Do not re-use the front pillar garnish clip.

Part Number: 62217-42050 Need 2

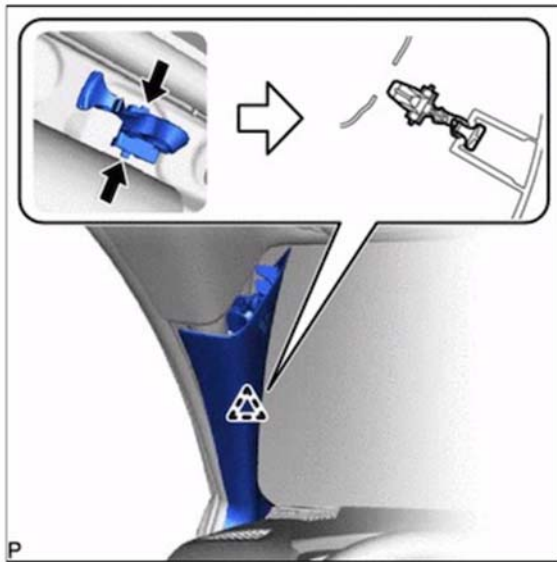


Figure 12

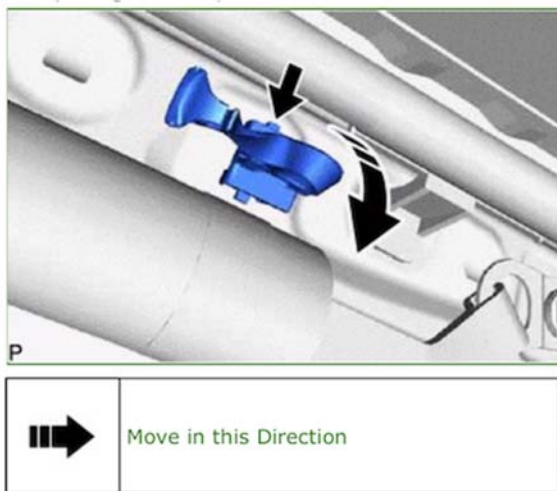


Figure 13

HINT:

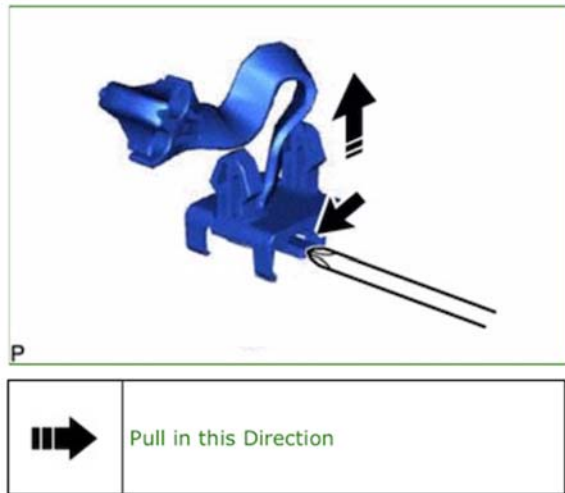
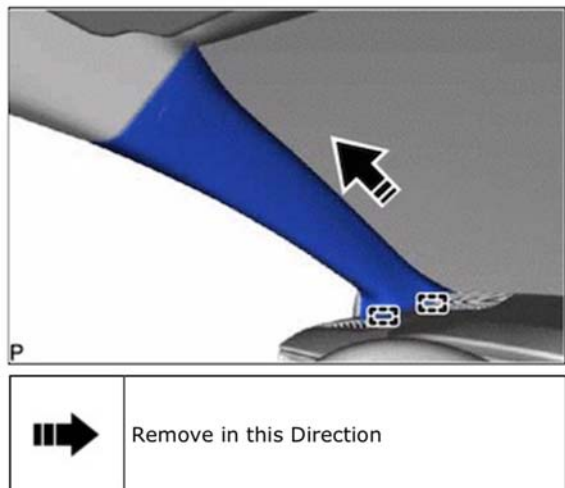
Let the front pillar garnish LH hang from the front pillar garnish clip.

(e) While pushing the tabs of the front pillar garnish clip as shown in the illustration, disengage it.

HINT:

When the front pillar garnish clip cannot be disengaged easily:

1. While pushing the tab of the front pillar garnish clip shown in the illustration with your finger, move the front pillar garnish clip in the direction shown in the illustration. Figure 13.

**Figure 13****Figure 14**

2. While pulling the front pillar garnish clip as shown in the illustration, push the tab of the front pillar garnish clip shown in the illustration with a screwdriver and disengage the front pillar garnish clip.

- (f) w/o Front No. 3 Speaker:
 - (1) Disengage the 2 guides to remove the front pillar garnish LH as shown in the illustration.
- (g) w/ Front No. 3 Speaker:
 - (1) Disengage the 2 guides as shown in the illustration.
 - (2) Disconnect the connector to remove the front pillar garnish LH.
- (h) Remove the 2 front pillar garnish clips from the front pillar garnish LH. Figure 14.

7. REMOVE NO. 1 INSTRUMENT SIDE PANEL

(a) Using a moulding remover, pull the No. 1 instrument side panel in the direction indicated by the arrow (1) shown in the illustration to disengage the 5 clips. Figure 15.

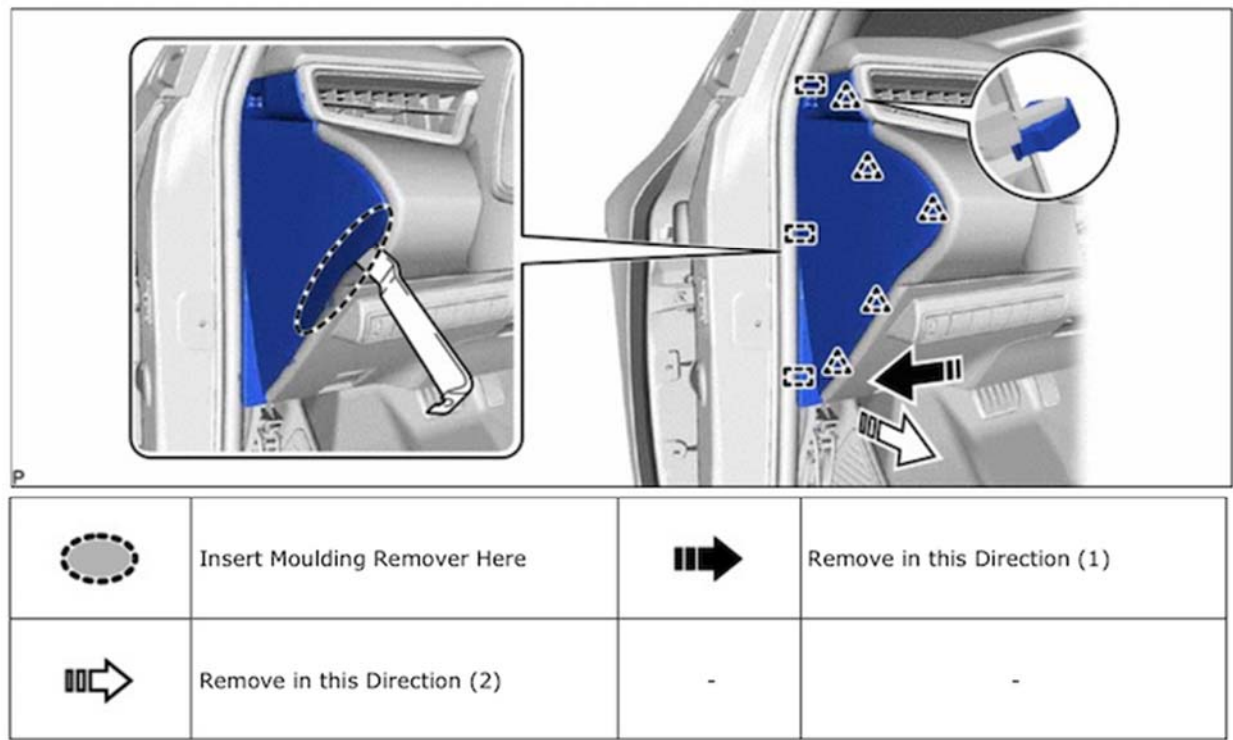


Figure 15

(b) Pull the No. 1 instrument side panel in the direction indicated by the arrow (2) shown in the illustration to disengage the 3 guides and remove it.

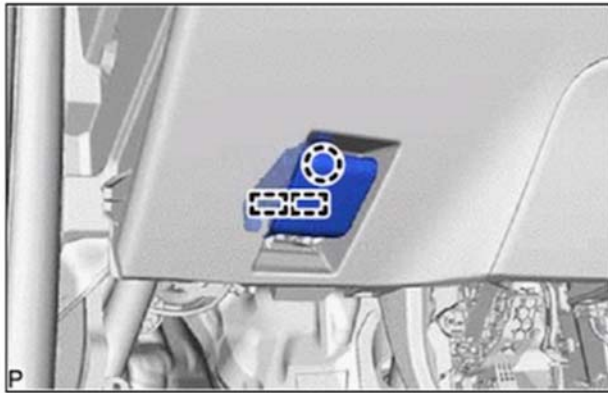
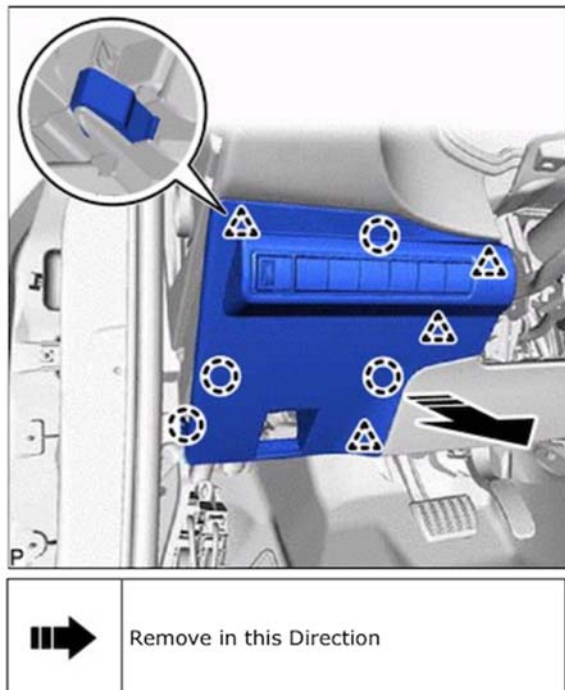


Figure 16

**8. DISCONNECT HOOD LOCK
CONTROL LEVER SUB-ASSEMBLY**

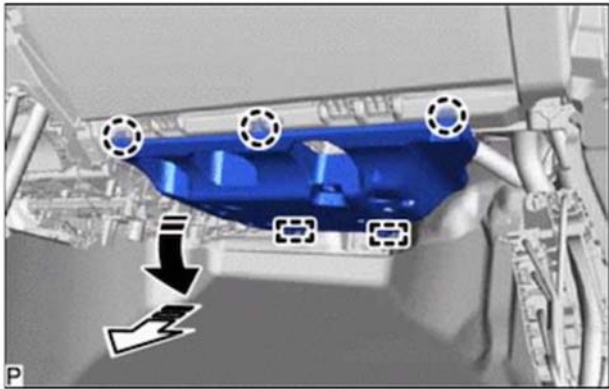
(a) Disengage the claw and 2 guides to disconnect the hood lock control lever sub-assembly. Figure 16.



**9. REMOVE LOWER INSTRUMENT
PANEL FINISH PANEL**

(a) Disengage the 4 claws and 4 clips as shown in the illustration. Figure 17.
(b) Disengage the clamp.
(c) Disconnect each connector to remove the lower instrument panel finish panel.

Figure 17



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

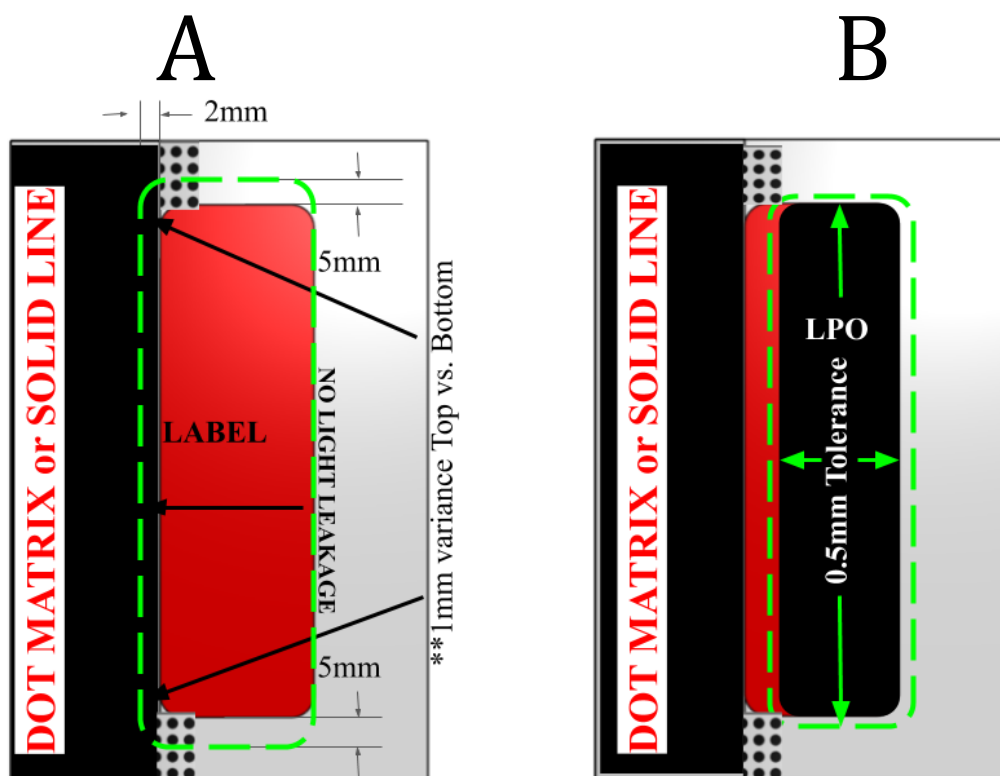
Figure 18

10. REMOVE NO. 2 INSTRUMENT
PANEL UNDER COVER SUB-
ASSEMBLY (w/ Instrument Panel Under
Cover)
- (a) Disengage the 3 claws and 2 guides as
shown in the illustration to remove the No. 2
instrument panel under cover sub-assembly.
Figure 18.

BUTTON STICKER & BACKHOUSING APPEARANCE STANDARDS

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

Acceptable Examples



Unacceptable Examples

C

*C: Adhesive Marring*

D

*D: Adhesive Tack Point*

E



F

*F: Vertical Backhousing Alignment*

G

*G: Label Edge Imperfection*



Figure 19



Figure 20



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.

11. 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 19.

(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 COROLLA 18" line. Figure 20.

Hint:

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

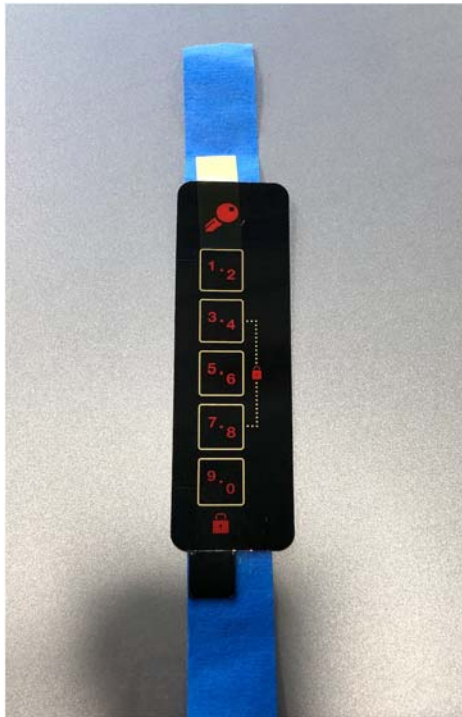


Figure 21

12. AFFIX THE KEYPAD BUTTON GRAPHIC STICKER TO THE INSIDE OF THE WINDSHIELD



Use Blue Masking Tape.



(a) 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.



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 21.



Figure 22

(c) Holding onto the blue masking tape, carefully align the top edge of the Keypad Button Graphic Sticker to the COROLLA 18" mark on the magnetic Windshield QC Scale. Figure 22.

(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 23



Use a Felt Block or wide Moulding Remover. Figure 23.

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

Hint:

This can be done from the top or center of the Button Sticker.



Figure 24

(h) Make multiple passes over the Button Sticker to achieve maximum wet-out. Figure 24.

(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.

13. 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 Back housing 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 25.

Hint:

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

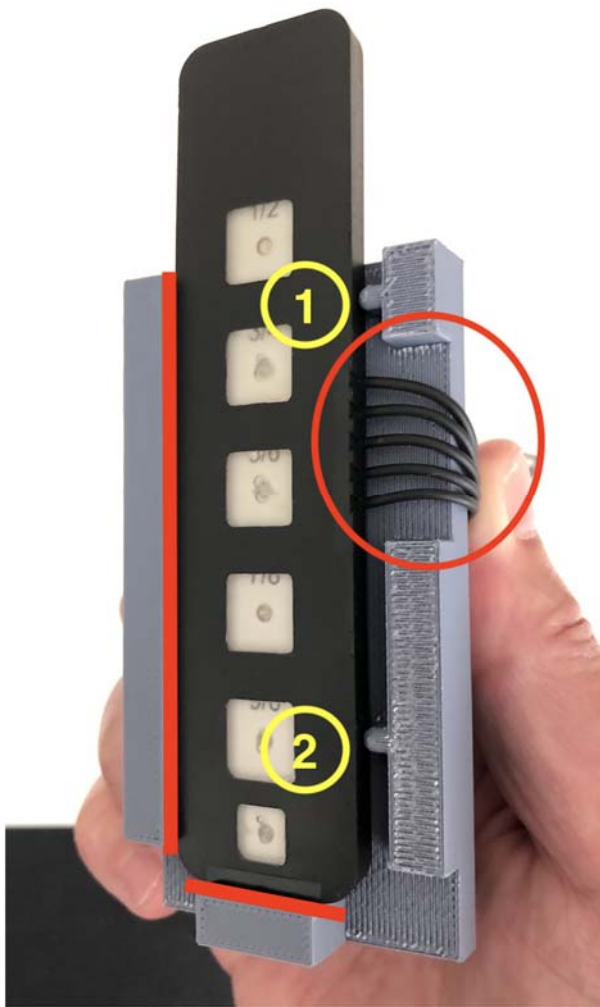


Figure 25



Figure 26

(c) Place the Alignment Tool & TKP Backhousing assembly against the windshield next to the Button Sticker to the lower RH side as shown. Figure 26.



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.

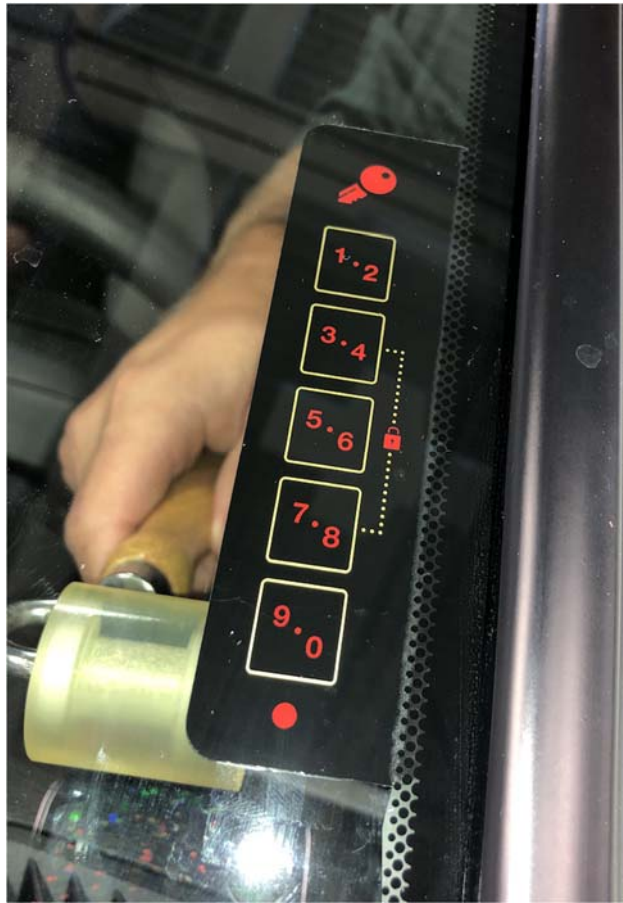


Figure 27

(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 27.

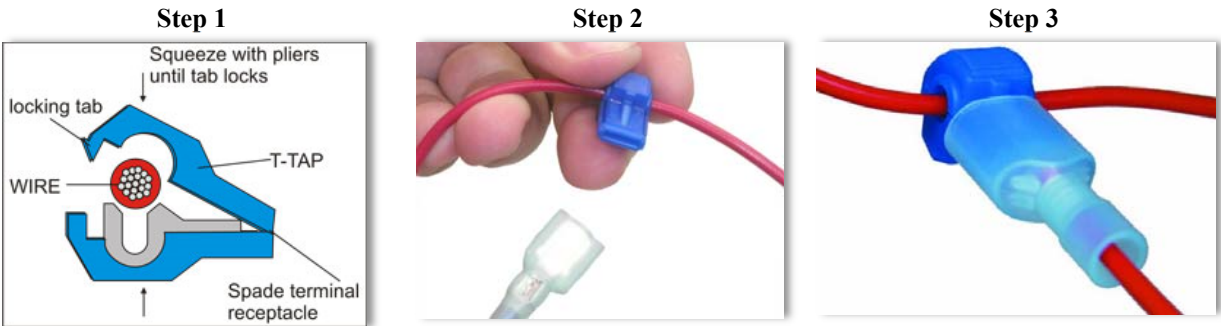


Figure 28

(i) Route the TKP Backhousing's pigtail harness behind the factory harnesses along the A-pillar as shown. Figure 28.

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.

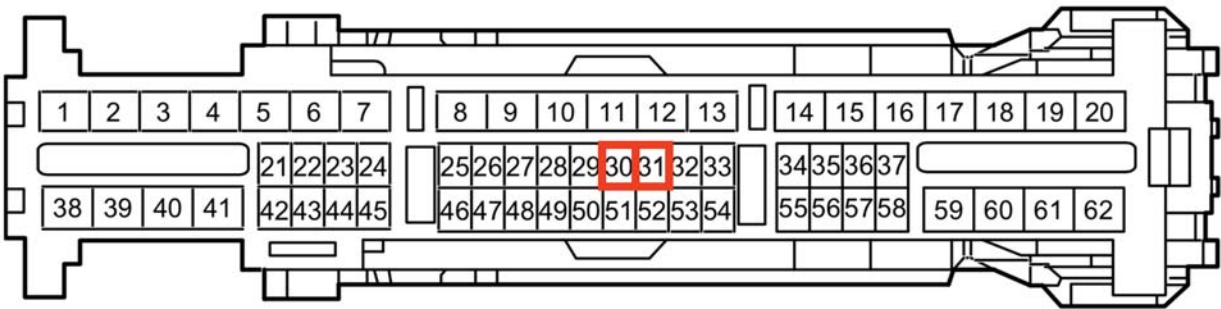


CONNECTOR OI1: Floor Wire and Instrument Panel Wire (Left Kick Panel)

Location: Lower driver’s side kick panel area

TKP HARNESS	VEHICLE	PIN	T-TAP
Blue - Lock	Green	30	Black
White - Unlock	Violet	31	Black

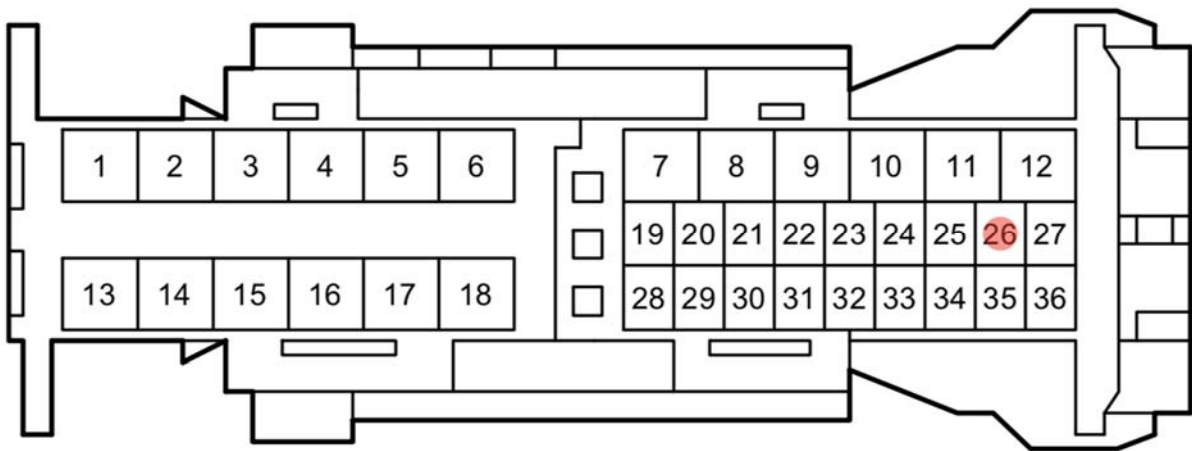
Floor Wire and Instrument Panel Wire (OI1 White (62-pin Connector)



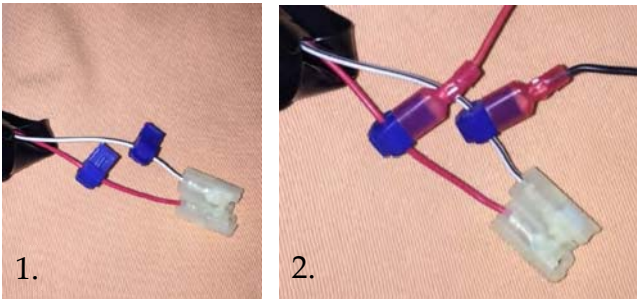
CONNECTOR 4A: Junction Block Connector (LH Dash)

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

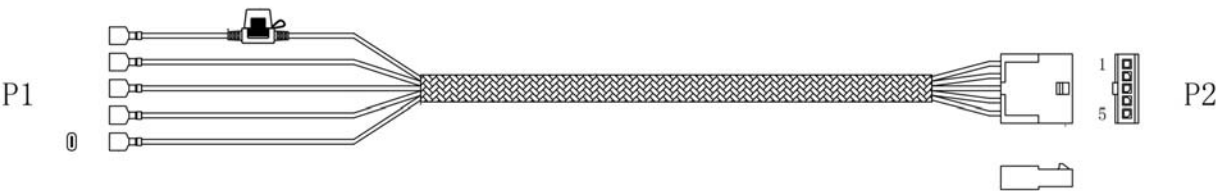
Junction Block Connector 4A White (36-pin Connector)



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.

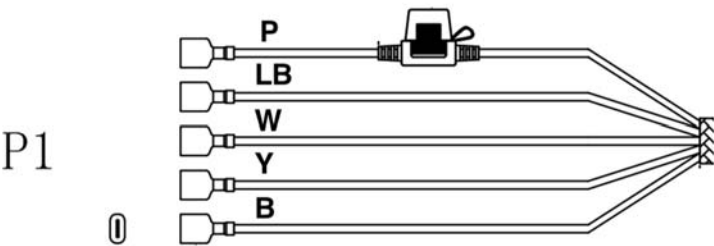


TKP VEHICLE HARNESS



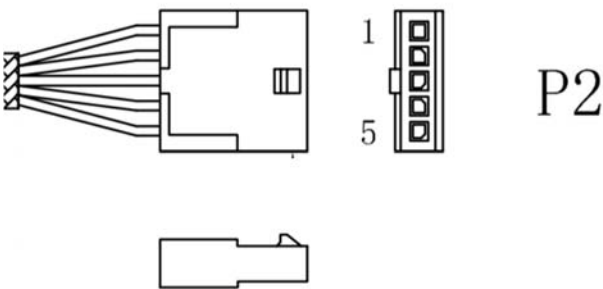
CONNECTOR P1 & P2: TKP Vehicle Harness

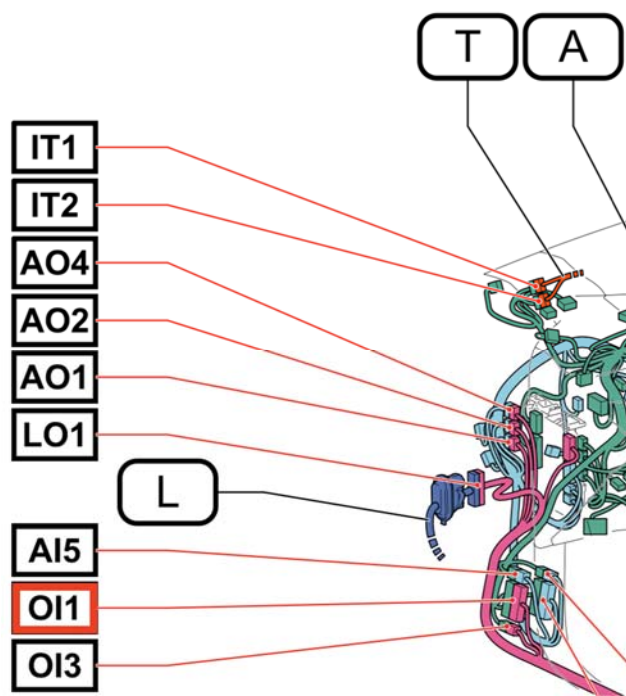
Male Blade Connector P1 RED (5x)



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

Female Molex 5-pin Connector P2 BLACK

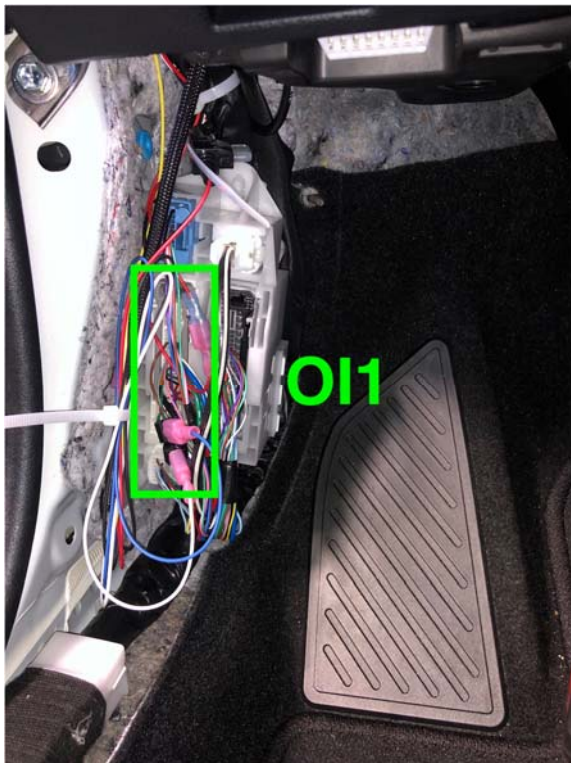




14. LOCATE CONNECTOR OI1 IN THE LOWER DRIVER'S SIDE KICK PANEL AREA

(a) Disconnect connector OI1 (White – 62-pin Connector).

Figure 29



15. LOCATE LOCK & UNLOCK WIRES IN CONNECTOR OI1

Figure 29

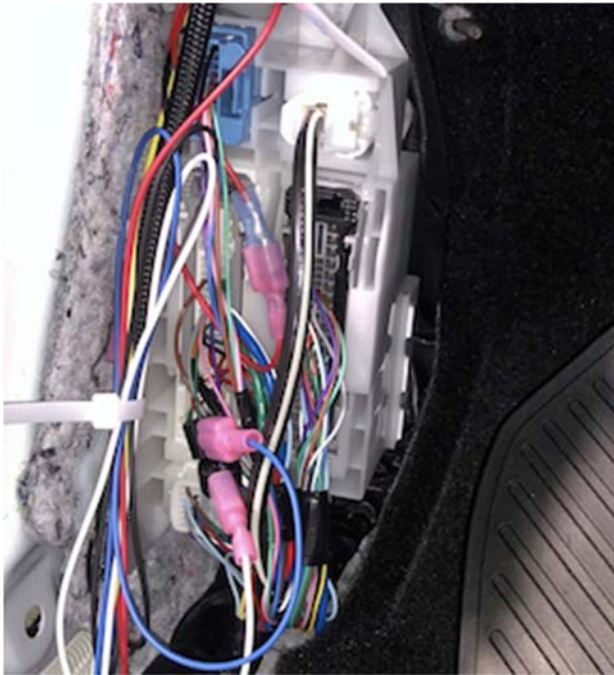


Figure 30*

16. LOCATE LOCK & UNLOCK WIRES IN CONNECTOR O11

- (a) Pull back the protective tape to expose at least 2" of the wires behind the connector.
- (b) Separate the LOCK wire (Pin #30 / Color GREEN) from the bundle.
- (c) Separate the UNLOCK wire (Pin #31 / Color VIOLET) from the bundle. Figure 30.

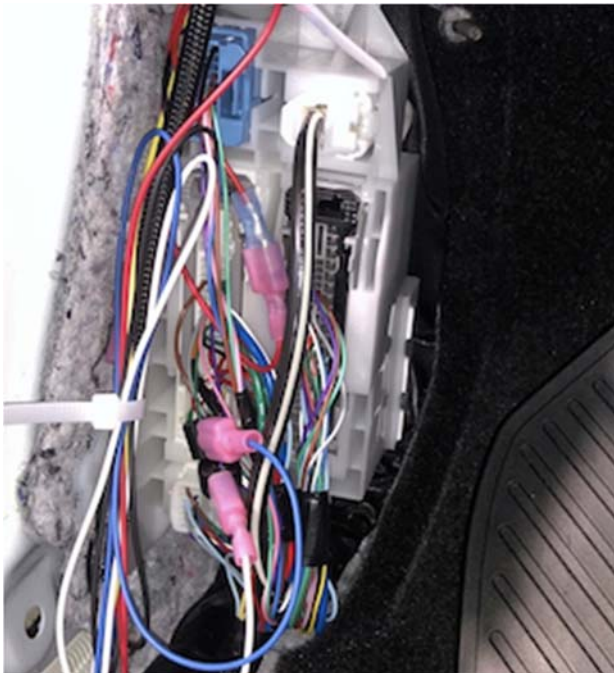
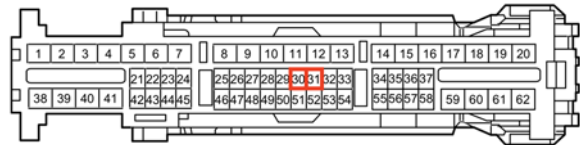


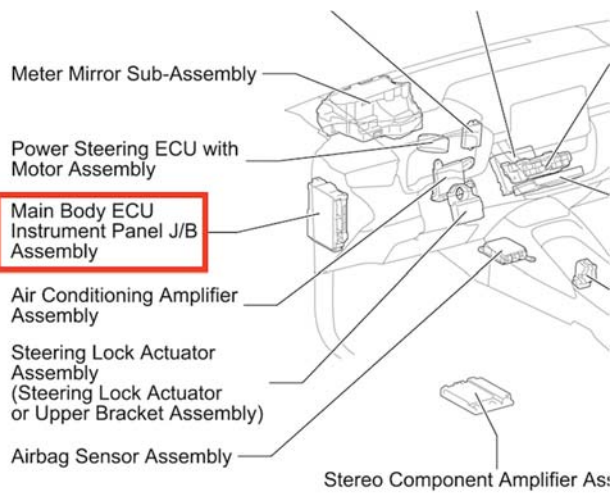
Figure 31*

17. T-TAP LOCK & UNLOCK WIRES IN CONNECTOR O11

- (a) T-Tap the GREEN lock wire (Pin #30) with the supplied BLACK T-tap.
- (b) T-Tap the VIOLET unlock wire (Pin #31) with the supplied BLACK T-tap. Figure 31.



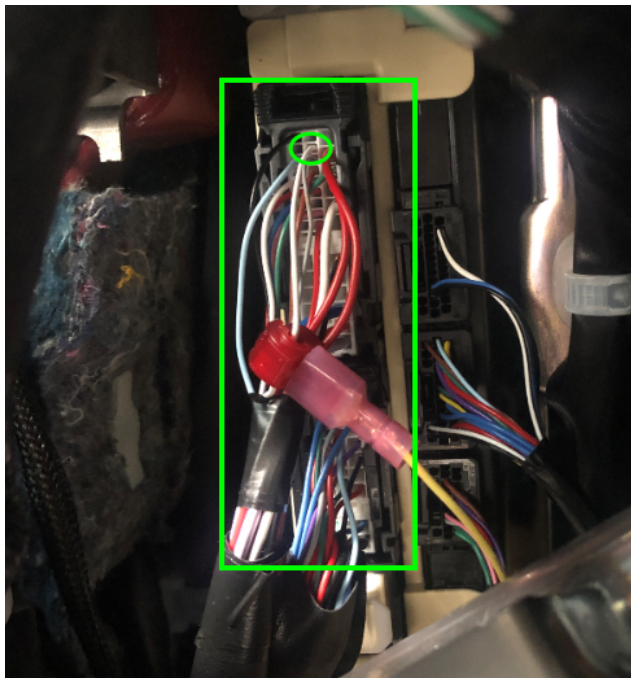
Stagger the T-tap connectors as shown.



18. LOCATE CONNECTOR 4A IN THE JUNCTION BLOCK (LH Dash Panel)

(a) Locate connector 4A (WHITE 36-pin). Figure 32.

Figure 32



19. LOCATE REMOTE MIRROR WIRE IN CONNECTOR IC3

(a) Locate connector 4A (WHITE 36-pin Connector) in the LH dash area. Figure 33.

Figure 33



Figure 34

20. LOCATE REMOTE MIRROR WIRE IN CONNECTOR J/B 4A

(a) Separate the REMOTE MIRROR wire (Pin #26 / Color WHITE) from the bundle.
Figure 34.

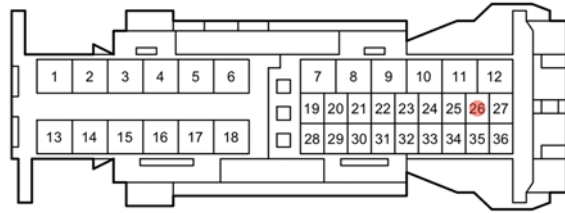


Figure 35

21. T-TAP REMOTE MIRROR WIRE IN CONNECTOR IC3

(a) T-Tap the White remote mirror wire (Pin 26) with the supplied Red T-tap.
Figure 35.



Figure 36

22. ROUTE TKP VEHICLE HARNESS TO A-PILLAR

- (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 along the side of the door edge opening and the instrument side panel LH as shown in the illustration. Figure 36.
- (c) The TKP Vehicle Harness Molex 5-pin connector end should route up to the A-pillar.



Figure 37

23. ROUTE TKP VEHICLE HARNESS TO A-PILLAR

- (a) The TKP Vehicle Harness should route around the metal dash support tube as shown. Figure 37.



Figure 38

24. ROUTE TKP VEHICLE HARNESS TO A-PILLAR

(a) The TKP Vehicle Harness should exit the opening in the dash up to the A-pillar as shown. Figure 38.



Figure 39

25. 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 39.

NOTE: SECURE THE TKP VEHICLE HARNESS MOLEX 5-PIN CONNECTOR

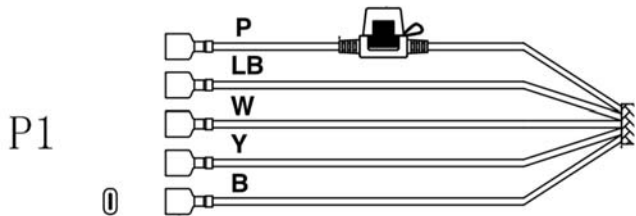
Use one (1) 8" zip tie. Fig. 39



Figure 40

26. ROUTE TKP VEHICLE HARNESS TO THE KICK PANEL AREA

(a) Route the bottom length of the TKP Vehicle Harness towards the driver’s side kick panel area as shown. Figure 40.



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 41

27. CONNECT THE LOCK & UNLOCK WIRES IN CONNECTOR OI1 TO THE TKP VEHICLE HARNESS

- (a) Connect the male spade connector of the TKP Vehicle Harness' LIGHT BLUE wire to the OI1 connector's GREEN lock wire T-tap (Pin #30).
- (b) Connect the male spade connector of the TKP Vehicle Harness' WHITE wire to the OI1 connector's VIOLET unlock wire T-tap (Pin #31). Figure 41.
- (c) Reconnect the OI1 connector.



Figure 42*

28. CONNECT THE REMOTE MIRROR WIRE IN CONNECTOR J/B 4A TO THE TKP VEHICLE HARNESS MALE BLADE CONNECTOR P1

- (a) Connect the male blade connector of the TKP Vehicle Harness' YELLOW wire to the J/B 4A connector's WHITE remote mirror wire using the RED T-Tap (Pin 26). Figure 42.



Figure 43

29. INSTALL DLC POWER & GROUND JUMPER

- (a) Locate the vehicle's white DLC connector beneath the steering column next to the fuse box. Figure 43.
- (b) Disconnect it from the No. 2 instrument panel under cover sub-assembly.



Figure 44

- (c) Connect the DLC Power & Ground Jumper to the vehicle's DLC connector.
- (d) Connect the DLC Power & Ground Jumper to the No. 2 instrument panel under cover sub-assembly as shown from above. Figure 44.

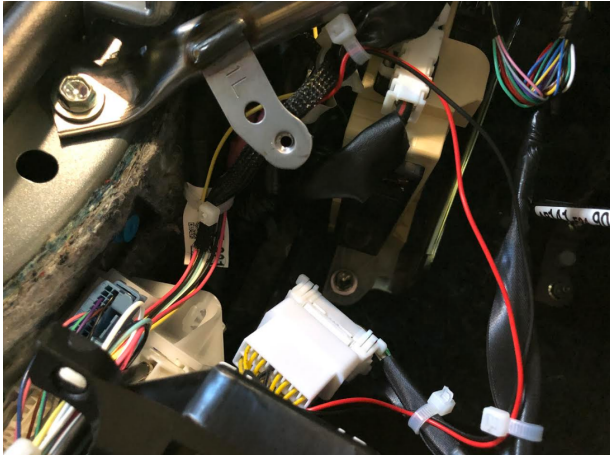


Figure 45

30. CONNECT THE DLC POWER & GROUND JUMPER WIRES

- (a) Route the TKP Vehicle Harness' power (PINK) & ground (BLACK) wires to meet the DLC Jumper's power & ground wires.
- (b) Connect the male blade connector of the DLC Jumper's RED power wire to the TKP Vehicle Harness PINK power wire's female connector.
- (c) Connect the male blade connector of the DLC Jumper's BLACK ground wire to the TKP Vehicle Harness BLACK ground wire's female connector. Fig. 44



Figure 46



Use one (1) 8" zip tie.

31. ROUTE THE DLC POWER & GROUND JUMPER WIRES

- (a) Secure the DLC Jumper's power & ground wires to the factory harness with a supplied 8" zip tie as shown. Figure 46.
- (b) Snip the excess zip tie length.

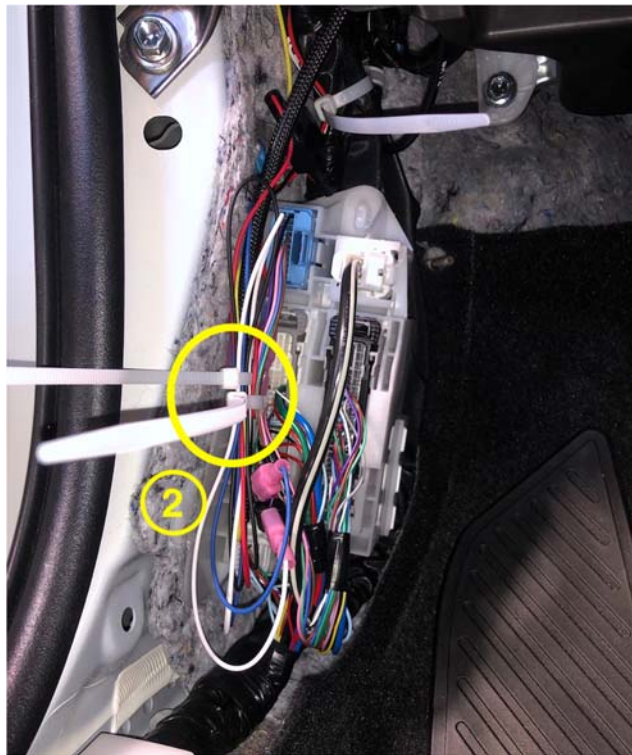


Figure 47*



Use two (2) 8" zip ties.

**32. BUNDLE & SECURE THE TKP
VEHICLE HARNESS WIRES AT
CONNECTOR OI1**

- (a) Secure the TKP vehicle harness wires to the factory harness at connector OI1 with two (2) of the supplied 8" zip ties as shown. Figure 47.
- (b) Make sure the inline fuse is accessible so that it can be serviced without removing any zip ties.
- (c) Snip excess zip tie lengths.



Figure 48



All TKP Vehicle Harness wires should follow factory harnesses and be securely routed to avoid any moving parts. Figure 48.

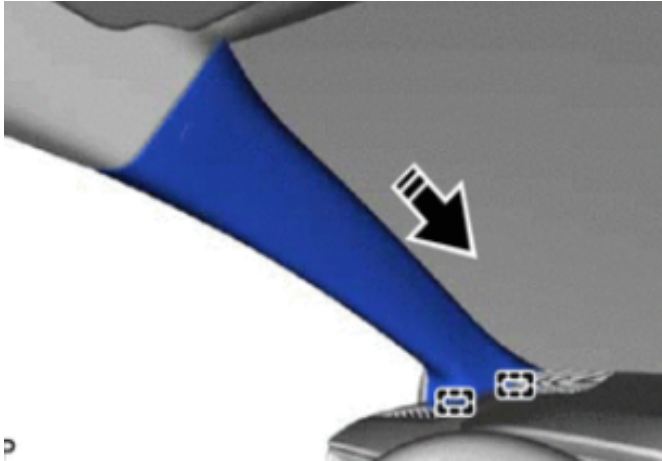


Figure 49

33. INSTALL FRONT PILLAR GARNISH LH

(a) Install 2 new front pillar garnish clips to the front pillar garnish LH. Figure 49

HINT:

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

w/o Front No. 3 Speaker:

Push the front pillar garnish LH as shown in the illustration to engage the 2 guides.

w/ Front No. 3 Speaker:

- Connect the connector.
- Push the front pillar garnish LH as shown in the illustration to engage the 2 guides.

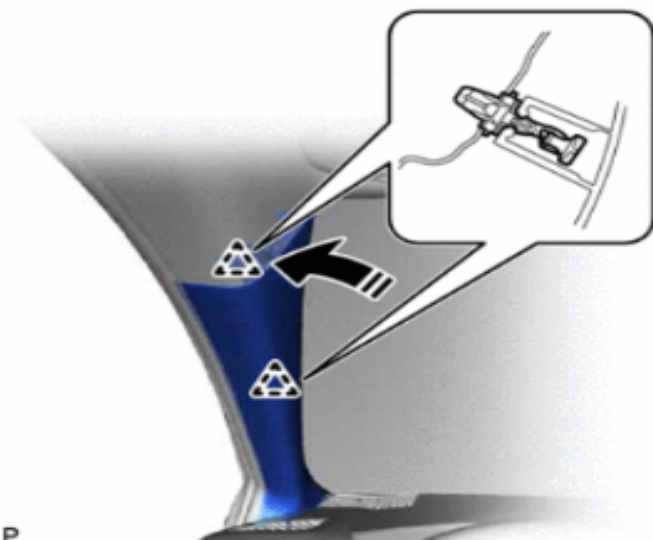


Figure 50

34. Engage the 2 front pillar garnish clips to install the front pillar garnish LH as shown in the illustration.

Figure 50

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

35. VEHICLE REASSEMBLY

(a) Engage the claw and 2 guides to connect the hood lock control lever subassembly.

(b) **INSTALL LOWER INSTRUMENT PANEL**
Connect each connector. Engage the 8 clips. Install the fuse box opening cover with the screw.

(c) Engage the 3 claws and 2 guides as shown in the illustration to install the No. 2 instrument panel under cover sub-assembly.

(d) Push the instrument side panel LH in the direction indicated by the arrow (1) to engage the 2 guides and push it in the direction indicated by the arrow (2) to engage the 6 clips and install the instrument side panel LH.

(e) Align the alignment mark on the front door opening trim weather-strip with the flange on the vehicle body indicated by the arrow in the illustration, and install the front door opening trim weather-strip.

(f) Engage the 2 clips as shown in the illustration. Install the cowl side trim sub-assembly LH with the clip.

(g) Engage the 2 guides and 8 claws to install the front door scuff plate LH.

HINT: Install the center pillar lower garnish LH side of the front door scuff plate LH first.



Figure 51

RE-INSTALL BATTERY



Use 10mm socket & torque wrench.

36. Reconnect the negative battery cable.
Figure 37.



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.


37. 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 awoke, 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.

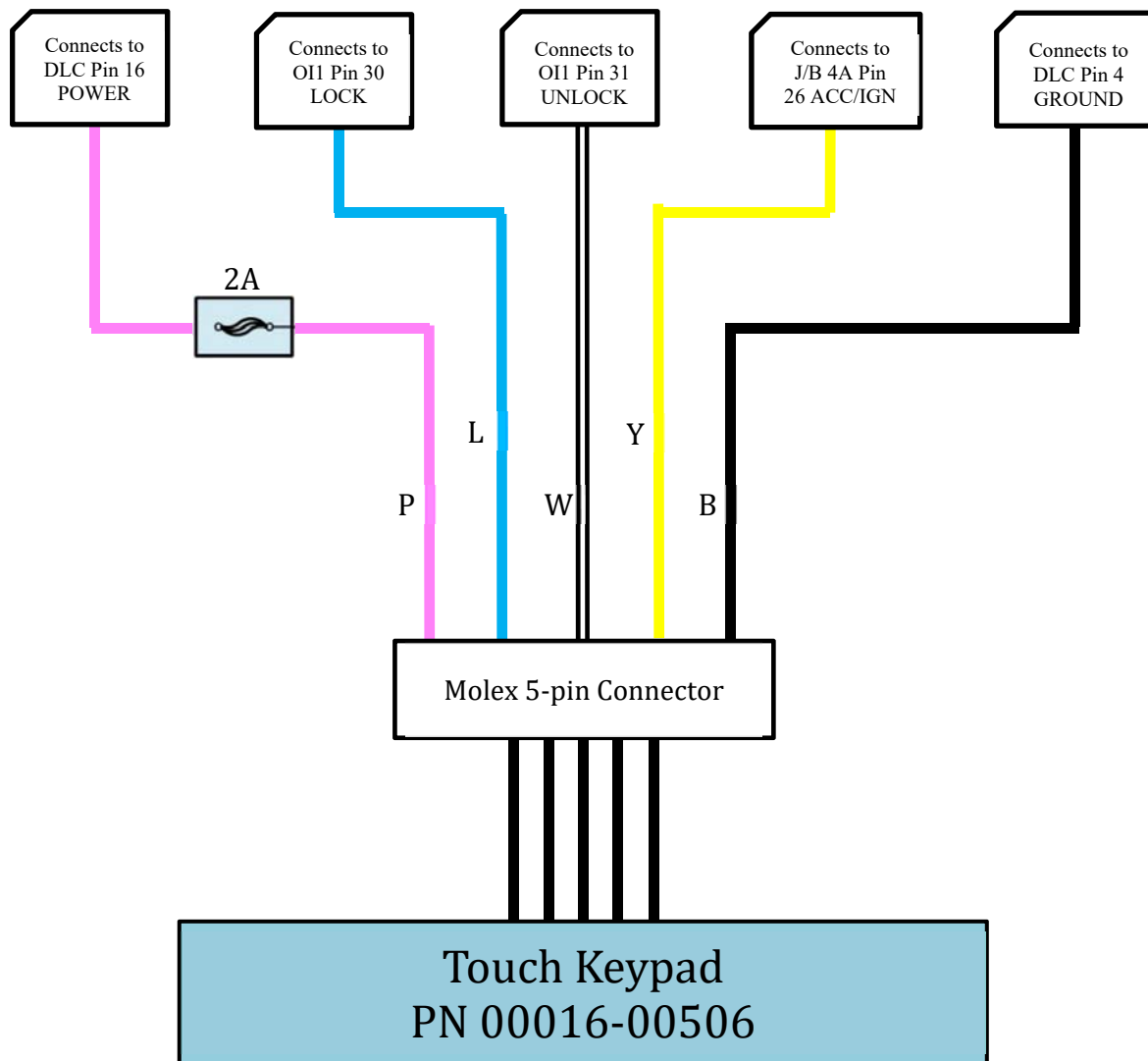
 Check Speaker

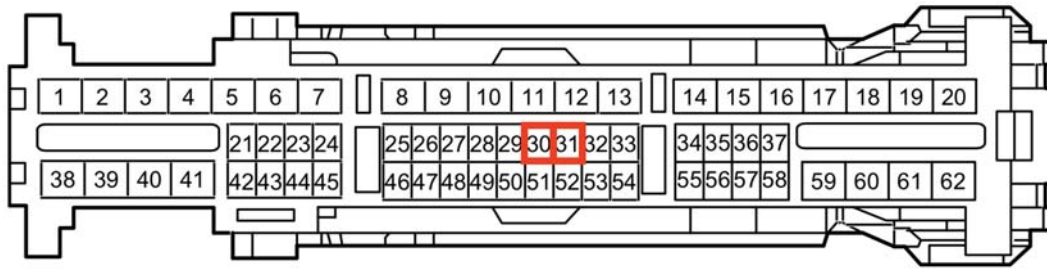
Left Front A-Pillar speaker, if applicable.

 Warranty Statement

Place Warranty Statement in the glovebox, DIO only.

DIAGNOSTIC / BLOCK DIAGRAMS & CONNECTOR PROCEDURES

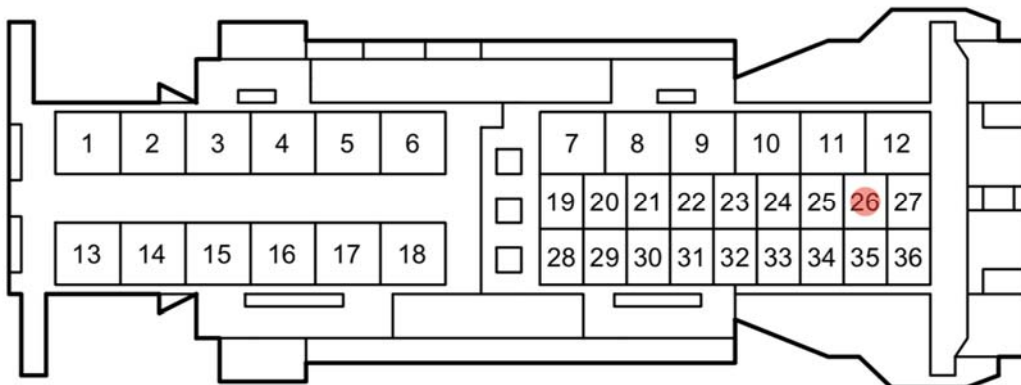


**Connector****OI1 Pin 30****LOCK**

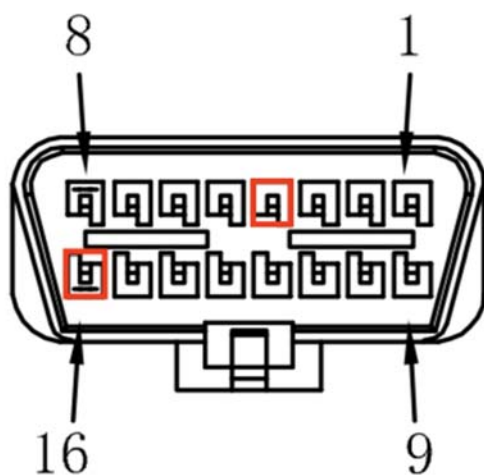
Pin	Wire Color	Test Reference	Proper Operation
30	G	Pin 30 to Ground	12-14VDC

Pin 31**UNLOCK**

Pin	Wire Color	Test Reference	Proper Operation
31	V	Pin 31 to Ground	12-14VDC

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

Pin	Wire Color	Test Reference	Proper Operation
26	W	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. 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.**