TOYOTA TUNDRA D-CAB 2006 HANDS FREE PHONE INTERFACE

Part Number: 00016-00003-02
Accessory Code: BT1

TOYOTA
Southeast Toyota Distributors, LLC

Kit Contents

Item #	Quantity Reqd.	Description
1	1	UIB -USER INTERFACE
2	1	CONTROL MODULE
3	1	USER GUIDE
4	1	HARDWARE BAG
5	1	INSTALLATION INSTRUTIONS
6	1	REGISTRATION CARD

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	3	T TAPS
3	3	MALE INSULATED SPADES
4	4	FOAM ADHESIVE PADS
5	4	3.5 MMX 19MM SCREWS
6	3	TIE STRAPS
7	1	GROUND TERMINAL
8	1	WIRE HARNESS

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	1	Wire harness hole template

Conflicts

Note:

Recommended Tools

Safety Tools	
SAFETY GLASSES	
SAFETY GLOVES	
Special Tools	
DREMEL TOOL	TUNDRA CABLE TOOL GUIDE
DREMEL CABLE TOOL	TUNDRA ROUTER FIXTURE
Installation Tools	
PLASTIC TUCKING TOOL	1” HOLE SAW
PLIERS	1/8” DRILL BIT
PHILLIPS SCREWDRIVER	SPIRAL BIT
BLADE SCREWDRIVER	SIDE CUTTERS
T-15 TORX SCREWDRIVER	
TORQUE WRENCH 36”. LB.	
Special Chemicals	
ALCOHOL / WATER	

Color Applicability/Trim Level

Accessory Color / Vehicle/Trim Color										
00016-00003-02 BLK										

General Applicability

D CAB-ONLY

Recommended Sequence of Application

Item #	Accessory	

*Mandatory

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.

SPECIAL NOTE: Installation Sequences

After **TMS** and **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.
Also some items listed to be removed may not need to be removed if caution is taken to not damage vehicle.

1.PREPARATION

(a). Place protective covering in vehicle.

(b). Remove negative battery terminal. **(FIGURE 1-0)**

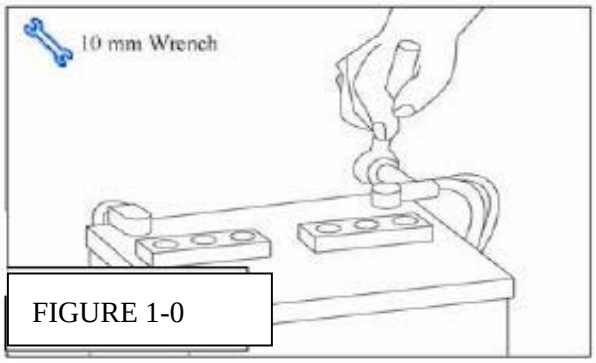


FIGURE 1-0

2. REMOVE ROOF CONSOLE BOX ASSEMBLY (Sunroof and Non-sunroof)

(a). Remove the **(2)** screws. **(FIGURE 2-0)**

(b). Using a nylon tool, remove the roof console box.

(c). Disconnect the connector**.**

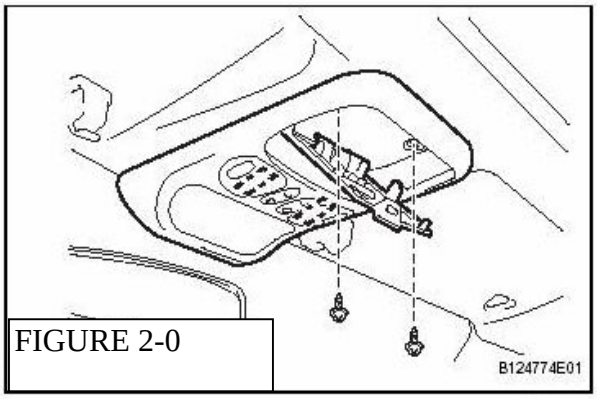


FIGURE 2-0

3. REMOVE ASSIST GRIPS

(a). Using a nylon tool, remove the caps. **(FIGURE 3-0)**

(b). Driver's side:Using a torx® driver (T30), remove the 2 screws and assistgrip. **(FIGURE 3-0)**

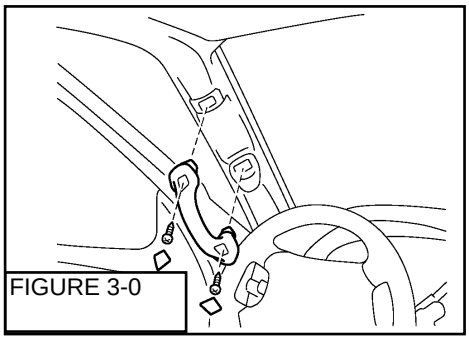


FIGURE 3-0

4. REMOVE FRONT PILLAR GARNISH

(a). Using a nylon tool, remove the Left front pillar garnish. **(FIGURE 4-0)**

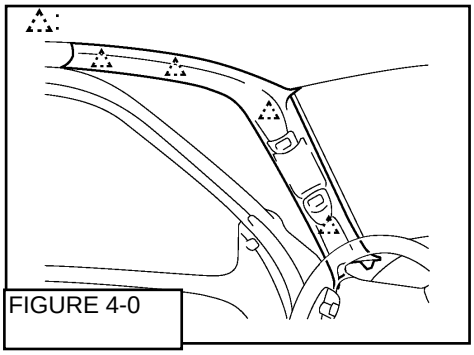


FIGURE 4-0

5. REMOVE LOWER FINISH PANEL

(a). Remove the 2 screws and hood lock release lever.
(b). Remove the 4 bolts and lower finish panel.
(c). Disconnect the connectors. **(FIGURE 5-0)**

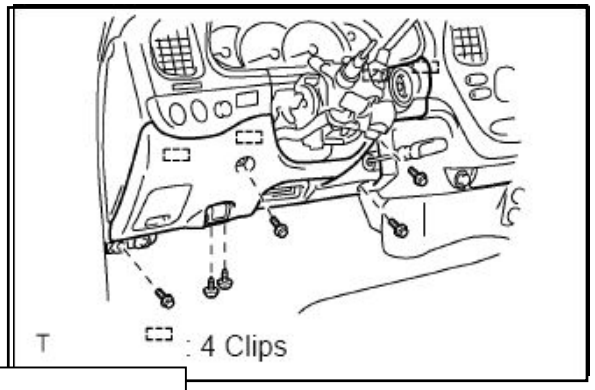


FIGURE 5-0

6. REMOVE SWITCH BASE

(a). Using a nylon tool, lift up the switch base and remove it. **(FIGURE 6-0)**

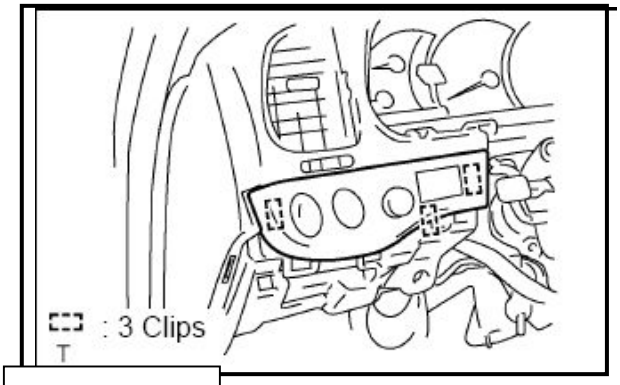


FIGURE 6-0

7.TOOL PREPERATION.

(a). You will need the following tools listed. **(FIGURE 7-0)**

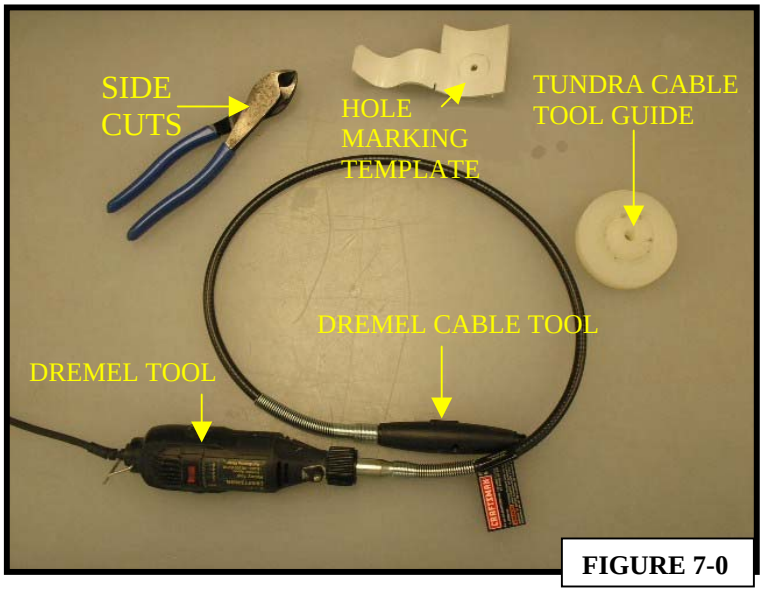


FIGURE 7-0

SHOWN IN PICTURE
DREMEL CUTTING TOOL
DREMEL CABLE TOOL
SPIRAL BIT
SIDE CUTS
HOLE MARKING TEMPLATE
TUNDRA CABLE TOOL GUIDE

NOT SHOWN IN PICTURE.
TUNDRA ROUTING FIXTURE
RUBBER STRIP
DRILL
1/8" DRILL
1" HOLE SAW

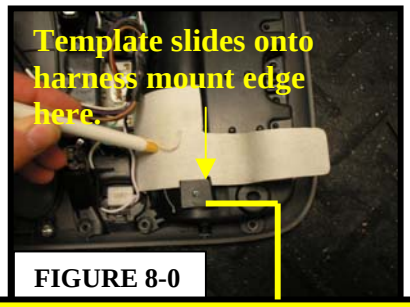


FIGURE 8-0

8. CONSOLE PREPERATION

(a). Using the the 1” hole marking template mark hole location onto console. **(FIGURE 8-0)**.

The harness on backside of console must be removed from harness mount. Console will not fit into fixture unless harness has been taken off mount. Once the drilling and routing steps are done it can be put back in place on Plastic mount.

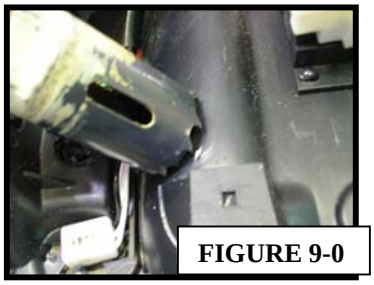


FIGURE 9-0

9. CUTTING 1” HOLE

(a). Drill out Harness hole with 1” hole saw. **(FIGURE 9-0)**

MAKE SURE ALL WIRES ARE CLEAR FROM SAW BEFORE CUTTING 1” HOLE IN BOTTOM OF CONSOLE.

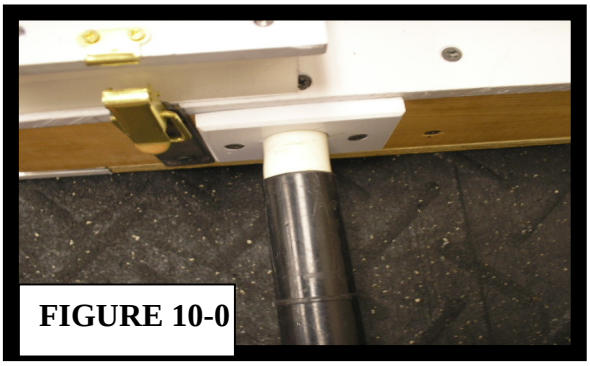


FIGURE 10-0

10. PLACING CONSOLE INTO FIXTUE AND SET UP

(a). Place vacuum hose onto backside of fixture. **(FIGURE 10-0)**

(b). Insert console locator block into fixture. Do this by placing locator onto pins. **(FIGURE 10-1 AND FIGURE 10-2)**

(c). Place console into fixture. Start by using the pins on the locator block. They pass through two holes inside the sunglass bin. **(FIGURE 10-3)**

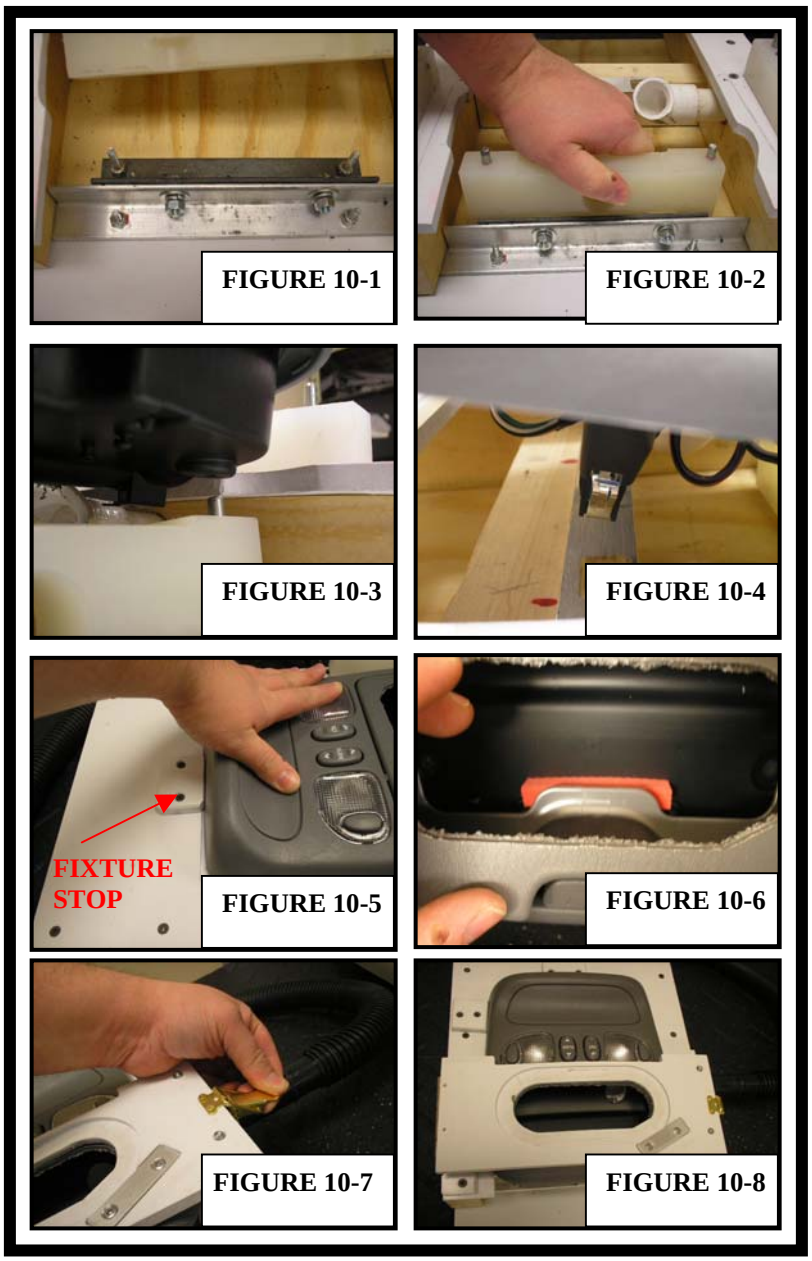
(d). Lower front of console down until the front clips pass through square cut outs on metal locating plate. **(FIGURE 10-4)**

(e). Push front of console into front groove making sure front part of console is butted up to fixture stop. **(FIGURE 10-5)**

(f). Place Rubber strip inside sunglass bin. This keeps the bin from vibrating. **(FIGURE 10-6)**

(g). Close and latch lid. **(FIGURE 10-7 AND FIGURE 10-8)**

(h). Turn vacuum on.



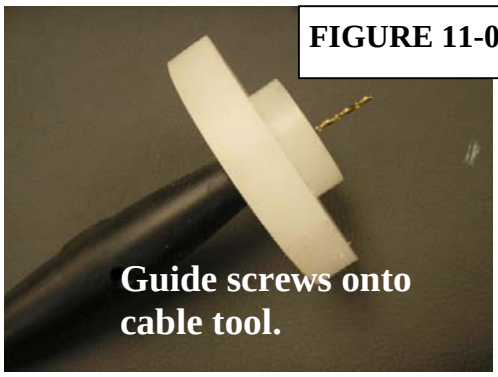


FIGURE 11-0

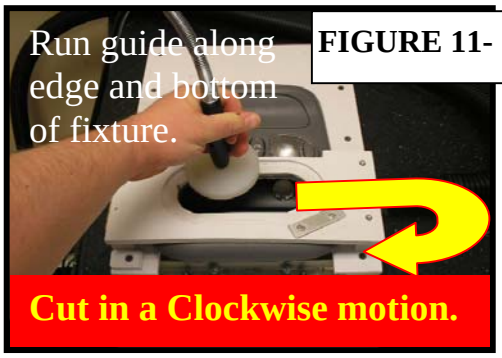


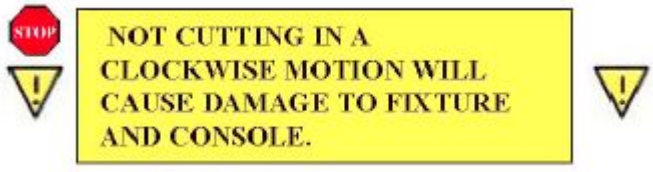
FIGURE 11- 1

FIGURE 11-2

11.ROUTING OUT CONSOLE FOR UIB.

(a). Place the Tundra cable tool guide onto cable tool. **(FIGURE 11-0)**

(b). Start by inserting spiral bit into console 1" from edge of fixture. The bottom edge of guide sets on recessed ledge in fixture lid. Move bit in a clockwise motion. Cut around console. Hold dremel tool guide to the edge and bottom of fixture as shown. **(FIGURE 11-1)**



(c). Finished opening should be smooth. Clean away debris and remove from fixture. **(FIGURE 11-2)**

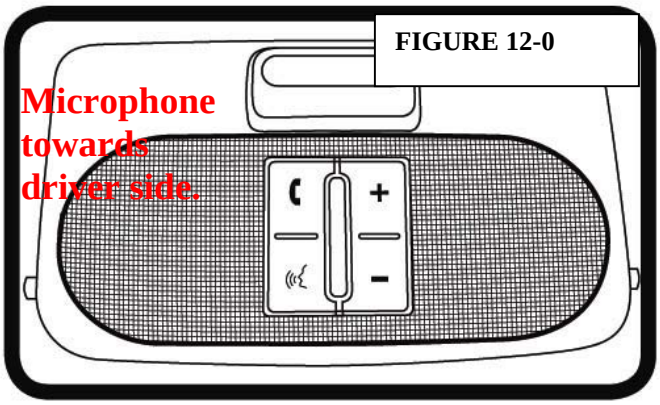


FIGURE 12-0

Insert and position the UIB so the microphone (smaller series of holes) faces in the direction of the driver.

12.INSERTING THE UIB ASSEMBLY

(a). Insert the UIB assembly through the opening of the overhead console from the front side. Note the position and orientation of the microphone and speaker. The microphone (smaller series of holes in the UIB faceplate) should always be closest to the driver in order for BlueConnect® to function properly. (This unit is intended for North American left hand drive vehicles only). **(FIGURE 12-0)**

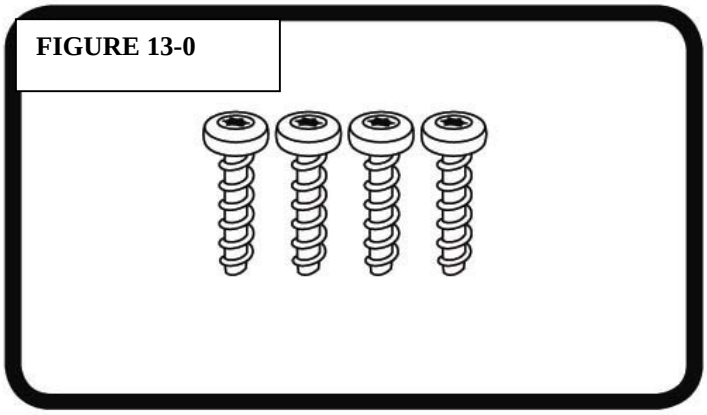


FIGURE 13-0

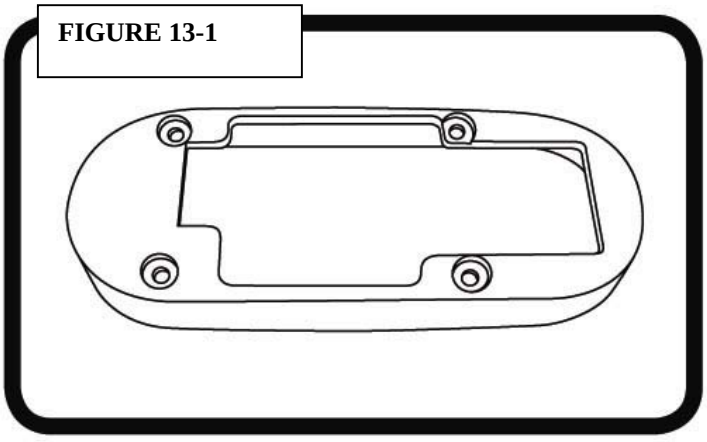


FIGURE 13-1

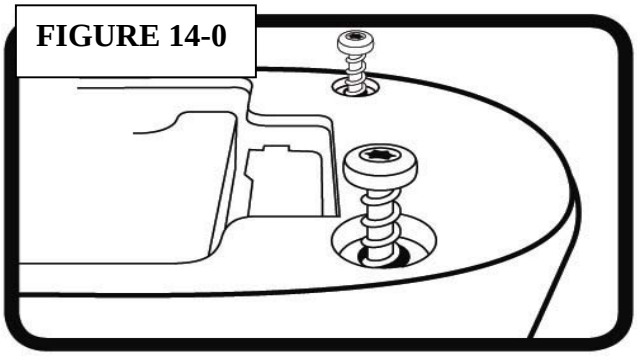
The retainer can only be installed in one direction.

13. ATTACHING THE UIB ASSEMBLY RETAINER

(a). The UIB assembly retainer is designed to fit one-way **(FIGURE 13-1)**. It attaches to the back of the UIB assembly from the rear of the opening using the four screws supplied**. (FIGURE 13-0)**

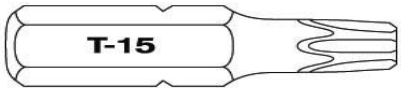
Do not substitute any other screws for assembling this unit. The length, diameter and thread type are specific for this application. The use of other screws may damage the housing or fail to properly secure the unit. Never use an electric drill or cordless screwdriver to assemble these components.

FIGURE 14-0



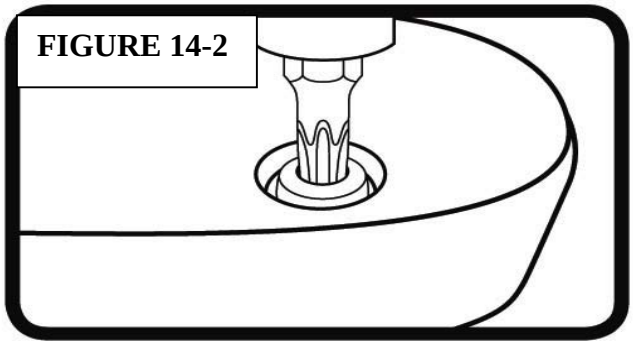
Align the UIB retainer screws and tighten by hand only.

FIGURE 14-1



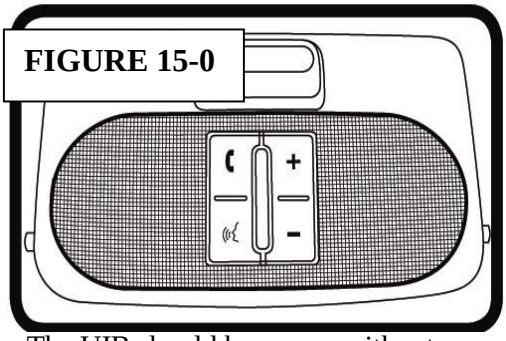
Need a t-15 Torx Bit and Driver.

FIGURE 14-2



Do not use an electric or cordless screwdriver. DO NOT over tighten.

FIGURE 15-0



The UIB should be secure without any gapping or distorting of the cover.

14. Tighten down retainer to UIB assembly.

(a). Insert the 4 screws by hand into the retainer screw holes. **(FIGURE 14-0)**

(b). Make any final adjustments to the positioning of the UIB assembly. Hold the UIB assembly gently, yet securely, to the installation surface area and begin tightening the screws using a T-15 Torx bit. **(FIGURE 14-1)**

(c). Tighten the screws ¼ turn at a time to eliminate any gaps where the cover screen contacts the surface or if the unit is loose. Do not over tighten when securing the unit. **(FIGURE 14-2)**

IMPORTANT – PLEASE READ

There is no need to "crush" the material between the cover screen and the retainer.

Over tightening screws will cause distortion and discoloring of the cover screen.

Over tightening screws can also cause the operating buttons to malfunction.

15. INSPECTION OF THE UIB ASSEMBLY

(a). Once the UIB assembly is attached and in place, checks that it is snug all around its perimeter and secure. Check that each of the UIB buttons operates with a "crisp click" when depressed and recoils to the neutral position quickly and freely. The UIB assembly should be secured without gapping or distorting the cover screen. The microphone should be toward the driver. **(FIGURE 15-0)**

16. UIB WIRE ROUTING

(a) Route the wire harness plug into console through 1” inch opening.

(b) Plug wire harness into UIB.

17. MODULE BOX MOUNTING

(a). Using alcohol water solution clean module mounting area.
(b). Remove backing from one of adhesive tape and apply to non-label side of module.
(c). Peel backing tape from module and mount securely. **(FIGURE17-0)**

LABEL SIDE OF HFM MUST BE POINTING DOWN.

HFM LOCATION/ DRIVER SIDE (LEFT)

FIGURE 17-0

18. WIRE ROUTING

(a). Route yellow power wire between vehicle headliner and roof towards driver side A-Pillar.
(b). Route power wires along factory harness, securing with factory harness clips, to A-pillar. Tie wrap to factory harness with (2) tie wraps. **(FIGURE 18-0)**
(c). Route yellow power wire from main harness down driver side A-pillar to IH connector.

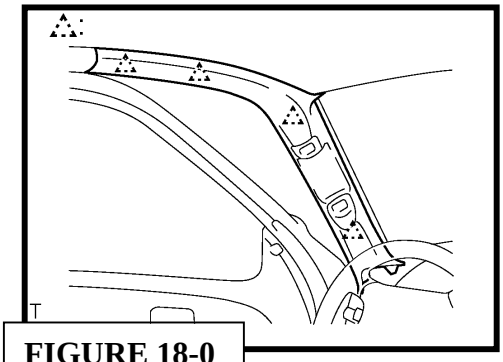


FIGURE 18-0

19. OVERHEAD CONSOLE CONNECTIONS

(a). Using T-Tap connect red power wire to pin 3 red wire in connector 08, located in the overhead console area. **(FIGURE 19-0)**

(b). Using T-Tap connect black ground wire to pin 1 wht/blk wire in connector 08, also located in the overhead console area. **(FIGURE 19-0)**

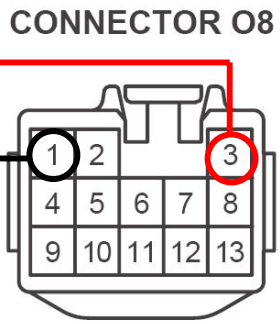


FIGURE 19-0

20. REPLACE CONSOLE.

(a). Reconnect all connectors on backside of console.

(b). Replace console back to its original location.

21. UNDER DASH WIRE CONNECTIONS

(a). Using T-Tap connect yellow ignition wire to pin 4 blue/red wire located in connector IH, located at driver side JB. **(FIGURE 21-0)**

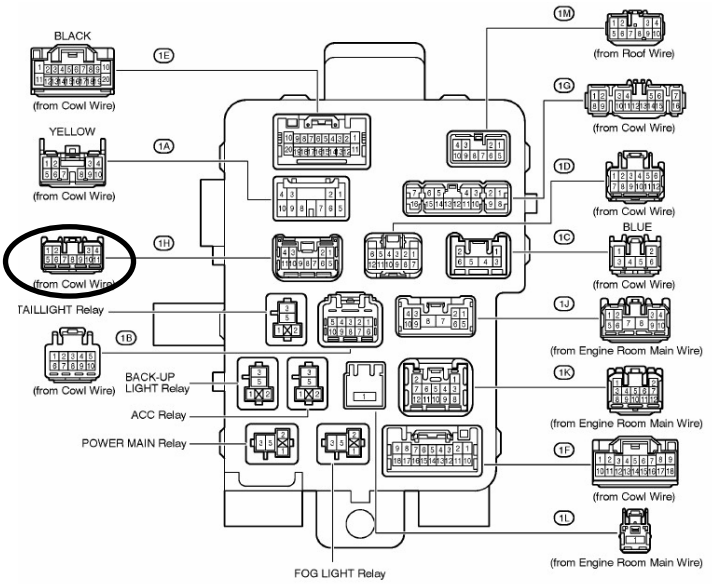


FIGURE 21

(b). Replace Underdash and "A" Pillar.

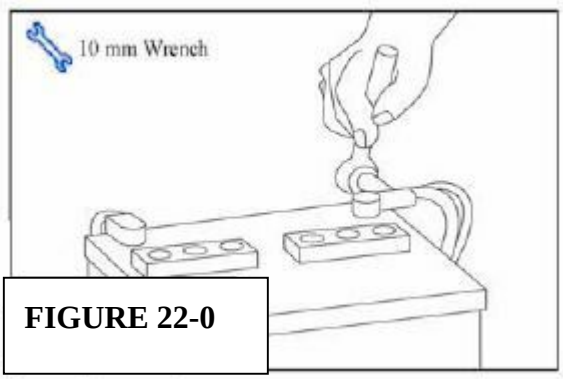


FIGURE 22-0

22. COMPLETION

(a). Connect negative battery cable and Torque to 36 in. lbs. **(Figure 22-0)**

(b). Place the Information Booklet and Registration Card inside the glove box after installation.

NOTE: *Serial # stickers must match on the Information Booklet and Registration Card.*
If for some reason the booklet or registration card is damaged the serial # stickers must be removed and placed on the new Information Booklet or Registration card.

23. FUNCTION CHECK

AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.

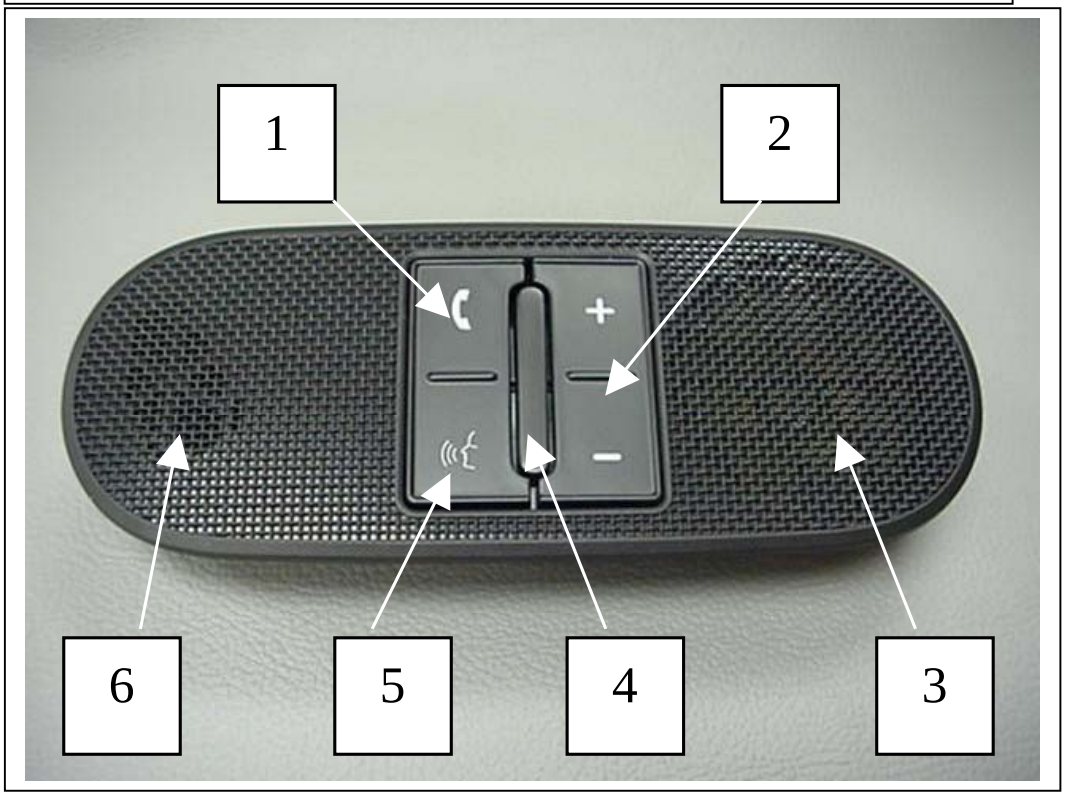
(a). Turn the ignition key to the ACC position. The operating buttons on the BlueConnect® UIB faceplate will be illuminated. Allow 5 seconds for the system to self-check before pushing and releasing the Phone button. The Phone button will activate and de-activate the system.

(b). The Blue L.E.D. on the circuit board will illuminate the center bar and an audible acknowledgement from the system will be heard.

(c). BlueConnect® is now ready for the pairing process where it is programmed to communicate with a particular cellular phone. For instructions on the Phone Pairing process, please refer to the User Guide included in the box of contents. **(FIGURE 23-0)**

BlueConnect® UIB (User Interface Board)

FIGURE 23-0



1. **Phone Button or Activation / Deactivation Button**
- Push to set up and program unit.
- Push to make a call if not on a call.
- Push to end a call.
- Push to accept or reject an incoming call when on another call.

2. **Volume Up & Down Buttons**
- Push (+) to increase the volume.
- Push (-) to decrease the volume.
- Push either button to the desired volume level when the unit is not activated. Audible beeps indicate the current volume level.

3. **Speaker**

4. **Blue L.E.D. Light**
- A blue light comes on indicating that the unit is activated or when there is an incoming call. It also comes on when you are on a call.

5. **VR (Voice Recognition) Button or Barge-in Button**
- Push to input a command without having to listen for a prompt.
- Push to transfer a call. This allows you to transfer your call back to your cell phone in the event you want privacy or are exiting the vehicle.
- Push to mute the phone.
- Push to send DTMF tones.

6. **Directional Microphone**