

## Preparation

**Part #: PT923-00111**

NOTE: Part number of this accessory may not be the same as the part number shown.

**Conflicts: JBL Audio**

**Kit Contents:** For kits manufactured on or after 19D0, installation kits will include BLU Logic Switch Decal. The manufacturing date code is on the part label of the packaging box and is printed as "DDMY". Please note that this manufacturing date is per Toyota standards and is in the format of DAY-DAY-MONTH-YEAR. Example: "31L8" date on label means "31st, December, 2008".

Item 1 	Item 2 	Item 3 	Item 4 	Item 5 	Item 6 	Item 7 	Item 8 
Item 9 	Item 10 						

**Hardware Content**

Item#	Quantity Req'd.	Description
1	1	Interface Module
2	1	Main Power Harness
3	1	BLU Logic Switch
4	1	Switch Extension Cable
5	1	Microphone
6	15	9.5" Lock Ties
7	2	Adhesive Foam Pad
8	1	Owner's Manual
9	33cm	1/4" Wire Split Loom
10	1	BLU Logic Decal

**Additional Items** (may be required)

Item#	Quantity Req'd.	Description

**Recommended Sequence of Application**

Item#	Accessory








**Vehicle Service Parts** (may be required for reassembly)

Item#	Quantity Req'd.	Description

**General Applicability****Note:****Recommended Tools**

Personal & Vehicle Protection	Notes
Safety Goggles	
Seat Covers	
Floor Covers	
Special Tools	
Panel Clip Removal	SST # 00002-06001-01
Sockets	10 mm
Screwdriver	Phillips, #2
Side Cutters	
Torque Wrench	36 in-lb (4.07 N.m)
Installation Tools	Notes
Masking Tape	VDC Supplied
Foam Tape	VDC Supplied
Special Chemicals	Notes
Cleaner	VDC Approved Cleaner

**Legend**

-  **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.
-  **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle.
-  **OPERATOR SAFETY:** Use caution to avoid risk of injury.
-  **TOOLS & EQUIPMENT:** Used in Figures to call out the specific tools and equipment recommended for the 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.
-  **VIDEO:** Video Available; click to Play

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### Accessory Installation Practice (read before 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.

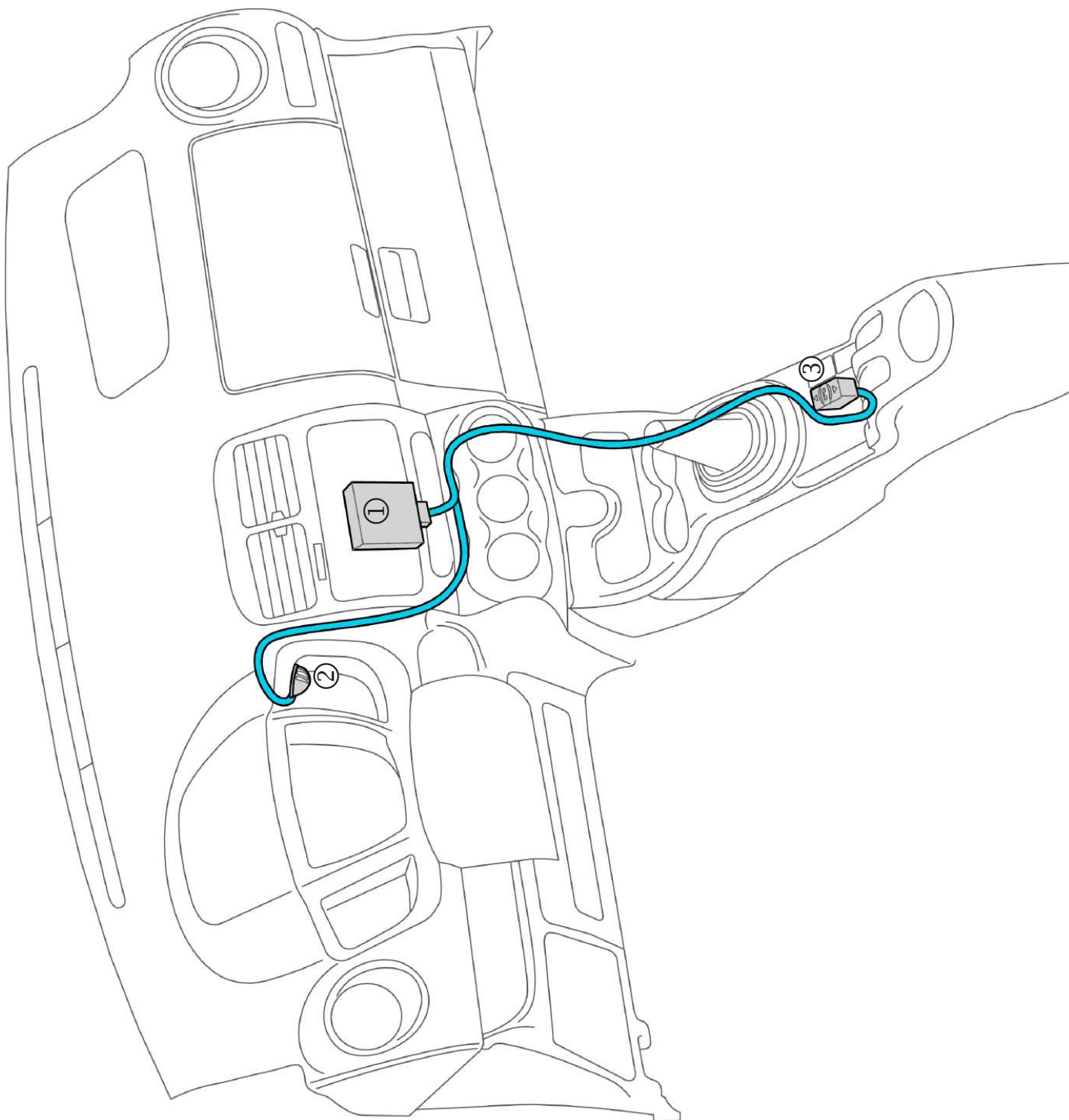
These guidelines can be found in the “Accessory Installation Practices” document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.)
- Safety (eye protection, checking torque procedure, etc.)
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.)
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)

Please see your Toyota/Scion/Lexus dealer for a copy of this document.

Content Location	
1	Interface Module
2	Wired Microphone
3	BLU Logic Switch Location




 Socket (10 mm), Ratchet



Fig. 1-1

## 1. Vehicle Preparation (Fig. 1-1)



- Apply parking brake.
- Protect fender before starting.
- Remove the negative (–) battery terminal.



**CAUTION:** Do not touch the positive terminal with any tool during removal.

- Using the protective blanket, cover front seat, side of the shift lever and center console.
- Place removed vehicle components on a protective blanket.

## 2. Vehicle Disassembly

- Remove the radio.

- Apply protective tape to the right of the bezel.
- Using hands or appropriate panel removal tool, disengage the radio bezel (Fig. 1-2).

**NOTE:** Protective tape and panel tool not required if removed by hand.

 Panel Removal Tool



Fig. 1-2

 10 mm socket/ratchet



Fig. 1-3

- Remove four (4) bolts securing the radio using a 10mm ratchet/socket (Fig. 1-3).

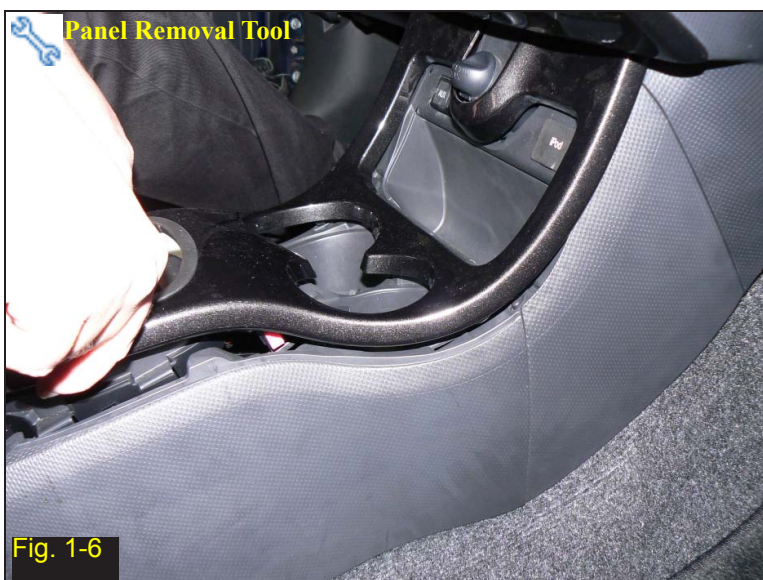
- Support the radio on a support box (or with other appropriate means) to prevent any damage to the connections as well as preventing scratches.



**NOTE:** Be careful not to put too much tension on the radio connections when pulling out the radio.

- Disconnect any connectors and remove.





b. Remove center floor console.

1. Apply protective tape to the lower floor console.
2. Using appropriate panel removal tool, remove the center subassembly (Fig. 1-4).

3. Remove cloth insert.

4. Remove the bolt located in the rear cup holder using a 10mm ratchet/socket (Fig. 1-5).

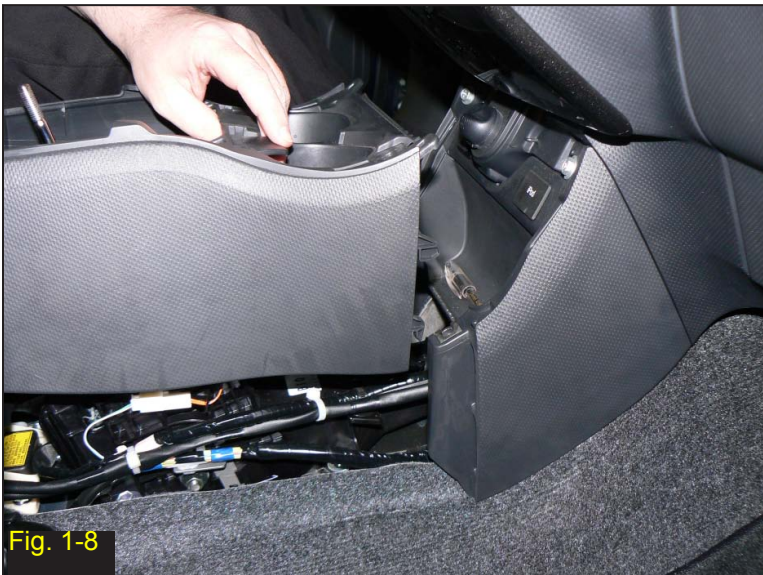
5. Remove upper center console bezel using your hands or appropriate panel removal tool (Fig. 1-6).

NOTE: Apply protective tape as needed if using tool.

Start from the back and work your way to the front.



6. Remove four (4) bolts using a 10mm ratchet/socket (Fig. 1-7).



7. Carefully pull up the center floor console to remove (Fig. 1-8).



8. Using your hands, remove the lower front center console panel (Fig. 1-9).



### 3. BLU Logic Switch Installation

- a. Route the BLU Logic switch (highlighted in blue) down from the radio opening into the console area (Fig. 1-10).

1. Route along existing wire loom (Rollover Image).

NOTE: Leave a 2-3 inch pig tail that will connect to the switch.

2. Secure with wire ties every 5-6 inches.
3. Cut off excess wire ties.

4. Mount the BLU Logic switch.

5. Remove the upper left blank plug from the center console. Center console was removed in Step 2.b2 (Fig.1-11).

NOTE – Use next available blank location if far left location is occupied.

6. Release the lock tabs from the back and remove (Rollover Image).

7. Make sure the solid arrow is pointing forward.

8. Connect the switch to the pig tail and reinstall the center console (Fig. 1-12).

9. Reverse steps to reinstall center console components.



Fig. 1-12



#### 4. Microphone Installation

- a. Remove the cluster bezel.
  1. Apply protective tape to the dash.
  2. Using your hand or appropriate panel removal tool, disengage the cluster bezel (Fig. 1-13).

3. Mount the microphone.



**CAUTION:** Clean the microphone mounting location with VDC approved cleaner.

4. Mount the microphone towards the rear of the bezel to minimize the amount of exposed wire visible to the customer. 0-8mm of exposed wire is acceptable (Fig. 1-14).

**NOTE:** The microphone should be to the far right of the flat area.

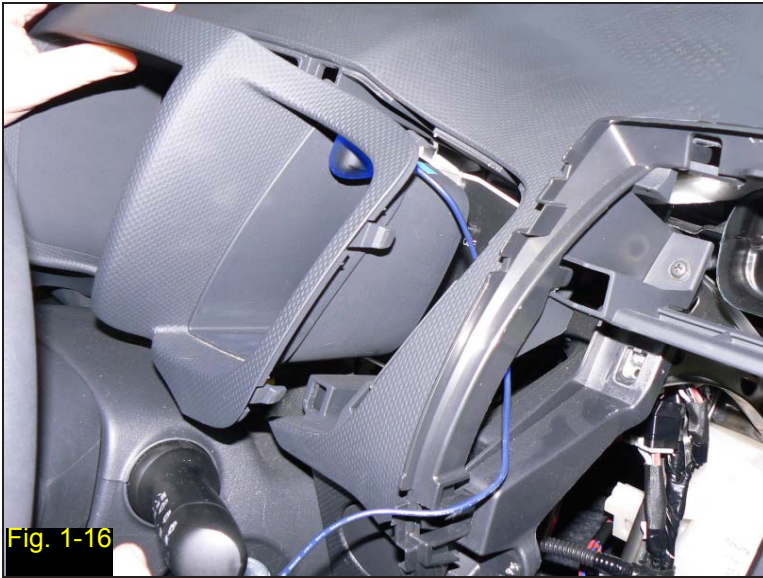


5. Apply 33cm of 1/4" split wire loom to the microphone end of the cable.
  6. Leave a minimum of 8mm of wire exposed and secure the wire loom with tape.
  7. Wrap the wire around the back of the cluster and secure the wire with tape (Fig. 1-15).

**NOTE:** Tape is to hold wire in place temporarily to complete the installation.







- b. Route the microphone wire (highlighted in blue) towards the interface module (Fig 1-16).

1. Reinstall the cluster bezel.

NOTE: Make sure the microphone wire does not get pinched or come in contact with any sharp objects.

2. Leaving a little slack on the microphone side, secure microphone wire to support bar with wire tie(s).

## 5. Interface Module Installation

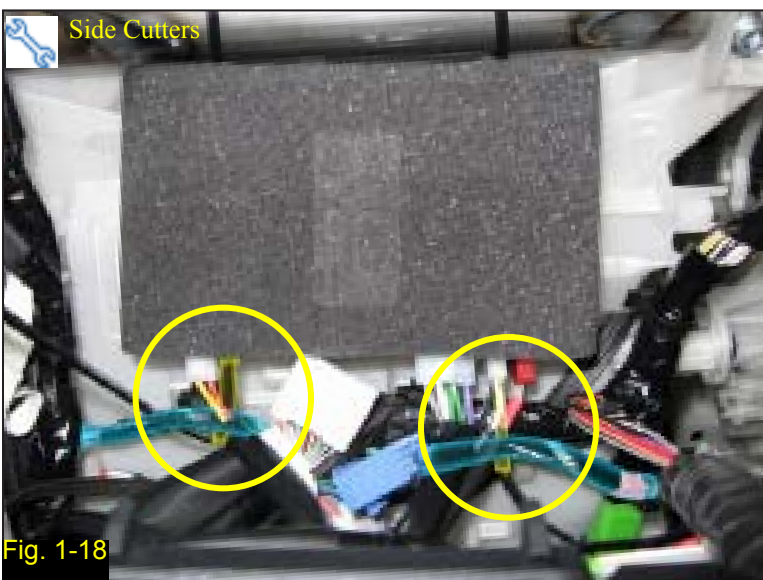
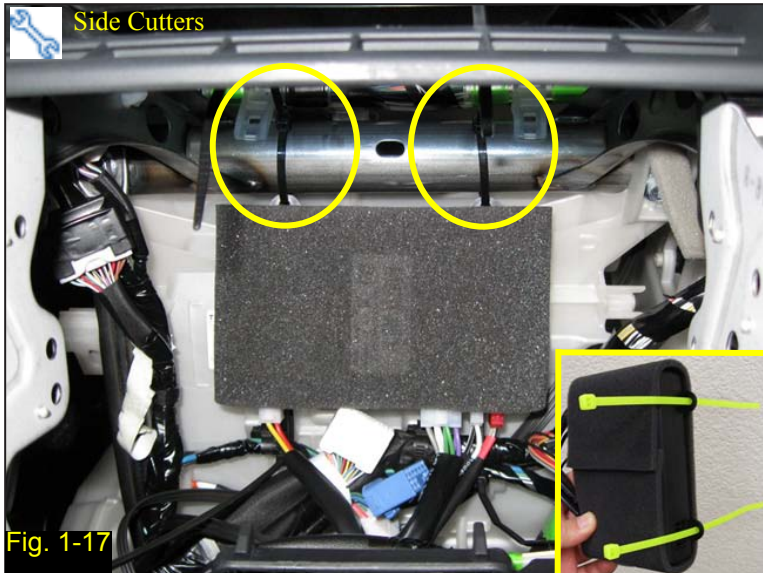
- a. Mount the interface module.

NOTE: DO NOT remove protective foam wrap from module.

1. Insert two (2) wire ties and loosely mount the module (harness side down) to the crossbar (Fig. 1-17).
2. Swing the module up and connect the main power harness to their respective connections.

NOTE: The Red connector is connected to the matching Red connector on the module.

BLU Logic wire ties in Figure 1-17 and the remainder of these instructions will be shown in yellow.



3. Connect the microphone and switch wire at this time.
4. After all module connections are connected, secure module with two (2) additional wire ties at the bottom to the existing wire loom (Fig. 1-18).
5. Tighten up all four (4) wire ties.



Fig. 1-19



Fig. 1-20

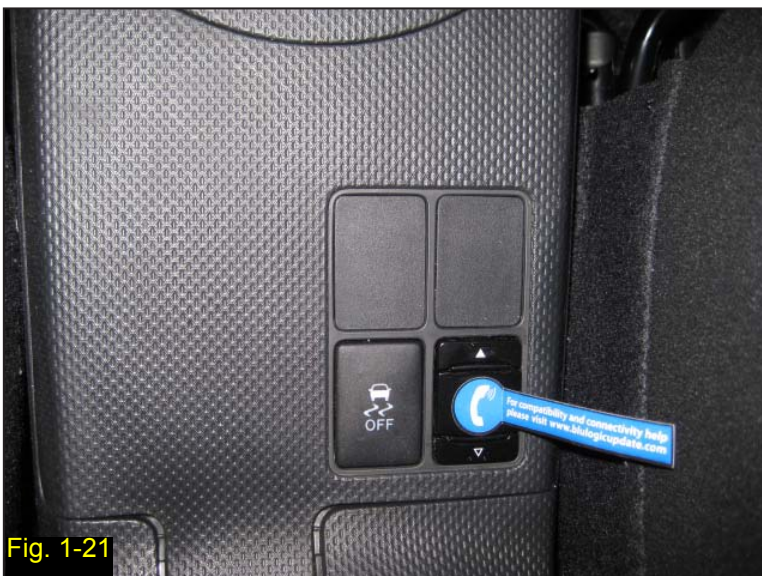


Fig. 1-21

## 6. Finalize the Installation

- a. Bundle excess microphone/switch wire and secure to main wire harness with wire ties.
- b. Connect the main wire harness to the radio's matching connections as needed (Fig. 1-19).



**NOTE:** AVC-LAN (12 pin) connector may not be present on the vehicle's harness. Wire tie this connector to the harness unconnected, but ALWAYS connect the AVC-LAN (12 pin) connector into the radio.

If AVC-LAN (12 pin) connector is present on vehicle harness, connect to jumper provided with BLU Logic unit.

- c. Reinstall the radio.

**NOTE:** If any other accessories are installed that connect to the head unit, BLU Logic should be the unit that plugs into the radio first.

- d. Reinstall the radio bezel.
- e. Position negative battery terminal at the original factory position (tighten the nut to 36 in-lbs (4.07 N.m)).



**CAUTION:** Do not touch the positive terminal with any tool during installation.

- f. Place owner's manual in the glove box

## 7. Apply BLU Logic decal to BLU Logic switch.

(Only kits manufactured on or after the date code on the front page will include the BLU Logic decal).

- a. Remove the protective backing on the round portion of the BLU Logic sticker (Fig. 1-20).
- b. Apply it to the center of the switch so that the sticker hangs towards the right as shown in Fig. 1-21.

**NOTE:** Photo shown may not match the switch installation location for this vehicle and is for illustrative purposes.



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

Make sure radio and interior lights (if applicable) are turned off. Install fuse (short pin) for the following function checks.

### Accessory Function Checks

	Check:	Look For:
<input type="checkbox"/>	Factory Radio	Turn on the radio and verify that the BLU Logic Module will mute the audio. With the radio on, press the middle button on the BLU Logic switch and verify that the audio is muted.
<input type="checkbox"/>	Interface Kit	Verify the proper connection of the Interface kit by pressing and holding the middle button on the switch until you hear one (1) beep.  NOTE: Pairing the module to a phone is not required. This is the customers (or dealers) responsibility.
<input type="checkbox"/>	Audio Output	Turn the radio to an AM or FM station and then turn the balance to the L and confirm the audio is coming from the left front speaker. Repeat for the right front speaker.

### Vehicle Function Check

	Vehicle Function		Vehicle Function Detail
<input type="checkbox"/>	Audio AM/FM	<input type="checkbox"/>	Verify the proper operation of audio AM/FM.
<input type="checkbox"/>	Hazard Switch	<input type="checkbox"/>	Verify the proper operation of the hazard switch.
<input type="checkbox"/>	HVAC	<input type="checkbox"/>	Verify the proper operation of the air conditioning system.
<input type="checkbox"/>	TRAC Control Switch (if equipped)	<input type="checkbox"/>	Verify the proper operation of the TRAC Control switch.
<input type="checkbox"/>	NAV System (if equipped)	<input type="checkbox"/>	Confirm navigation operation by AVN diagnostics.
<input type="checkbox"/>	SRS Warning Light	<input type="checkbox"/>	Confirm SRS warning light illuminates for approximately 6 seconds with the ignition ON, and then goes out.
<input type="checkbox"/>	Tire Pressure Monitoring System (TPMS)	<input type="checkbox"/>	<i>Prior to TPMS activation and Pre- delivery Service (PDS) of the Vehicle the TPMS light will blink when IG is turned on.</i>  <i>After TPMS activation and PDS of the Vehicle the TPMS light will illuminate for a few seconds and go off when IG is turned on.</i>

Turn off all components including radio and interior lights. Remove fuse (short pin) after function checks are complete. Check with your dealer/port to find out if this step is required.

### Kit Service Information

	Item:	Location:
1	3-Amp in-line Fuse	The fuse is located behind the radio assembly. To replace, follow Step 1 through 3 to access the fuse location.  NOTE: If the fuse is blown, the Hands Free BLU Logic will not turn on.