

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; Flathead
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.

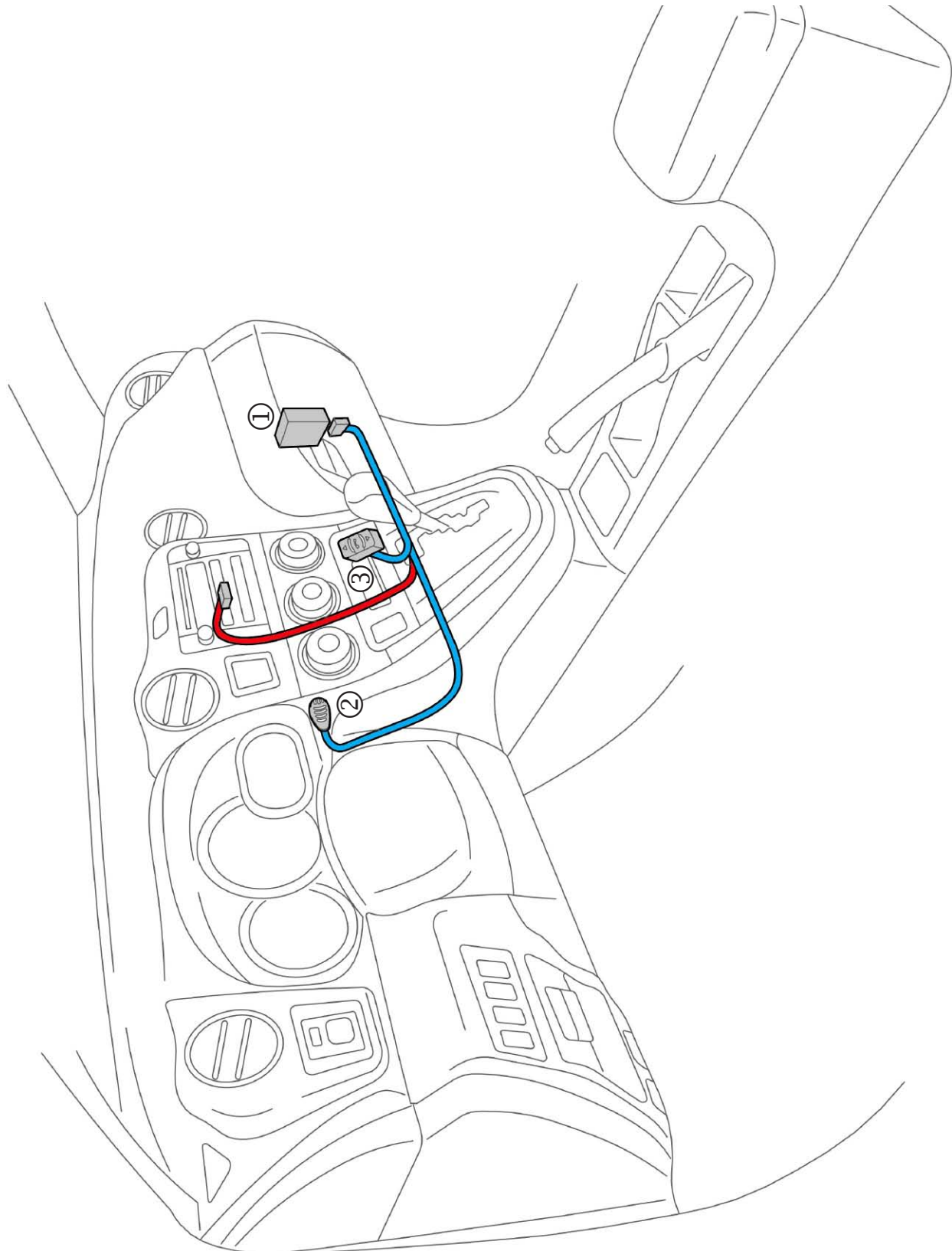
These guidelines can be found in the “Accessory Installation Practices” document.

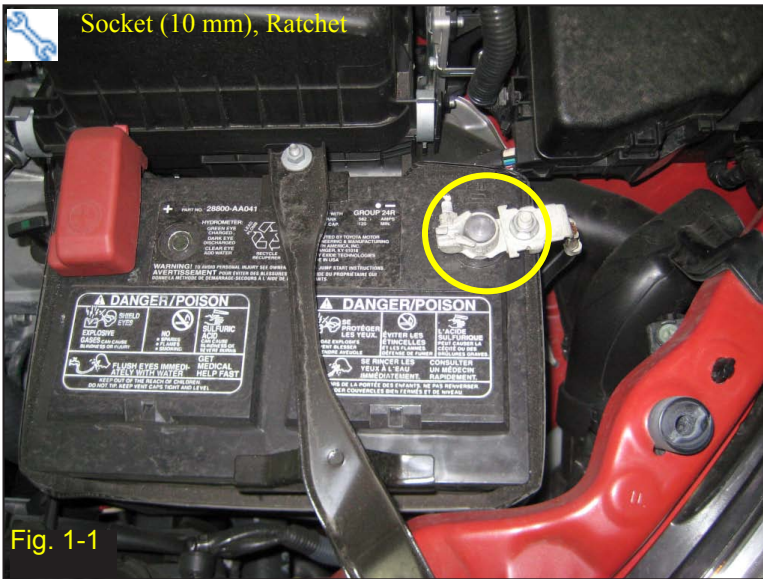
This document covers such items as:

- 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





1. Vehicle Preparation (Fig. 1-1)

-  a. Apply parking brake.
- b. Protect fender before starting.
- c. Remove the negative (-) battery cable.
-  **CAUTION:** Do not touch the positive terminal with any tool during removal.
- d. Using the protective blanket, cover front seat, side of the shift lever and center console.
- e. Place removed vehicle components on a protective blanket.



2. Vehicle Disassembly.

- a. Put the shift lever into the neutral position.

Automatic Transmission Only

- 1. Remove protective cover using a small flathead screwdriver (Fig. 1-2).

NOTE: Apply protective tape to the screwdriver to protect from any scratches that may occur or use plastic pry tool.

- 2. Disengage the lock mechanism by pushing down on the lock tab and move shifter into Neutral position.

- b. Remove upper radio bezel using hands or plastic trim removal tool (Fig. 1-3).

NOTE: Must use protective tape to any contact area if using panel tool.

- 1. Disconnect any connectors.



c. Remove shifter assembly bezel.

1. Unscrew the shift knob (Fig. 1-4).

Manual and Automatic Transmissions

Fig. 1-4



2. Using your hands or a panel removal tool, pull up on the back of the bezel to disengage and remove (Fig. 1-5).

Fig. 1-5

d. Remove HVAC assembly.

1. Using your hands, disengage the four (4) claws by gently pulling the unit from the top out (Fig. 1-6).

NOTE: DO NOT remove any connectors.



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



Fig. 1-6



e. Remove the radio assembly.

1. Using a 10 mm socket/ratchet, remove four (4) bolts securing the radio (Fig. 1-7).
2. Disconnect any connectors and set the radio aside.



3. Microphone Installation

a. Remove driver left air vent.

1. Use your hands or a panel removal tool to disengage the air vent (Fig. 1-8).
2. Disconnect any connectors and set aside.



b. Remove the gauge cluster bezel.

1. Using your hands, gently pull on the right side of the bezel to disengage and remove (Fig 1-9).

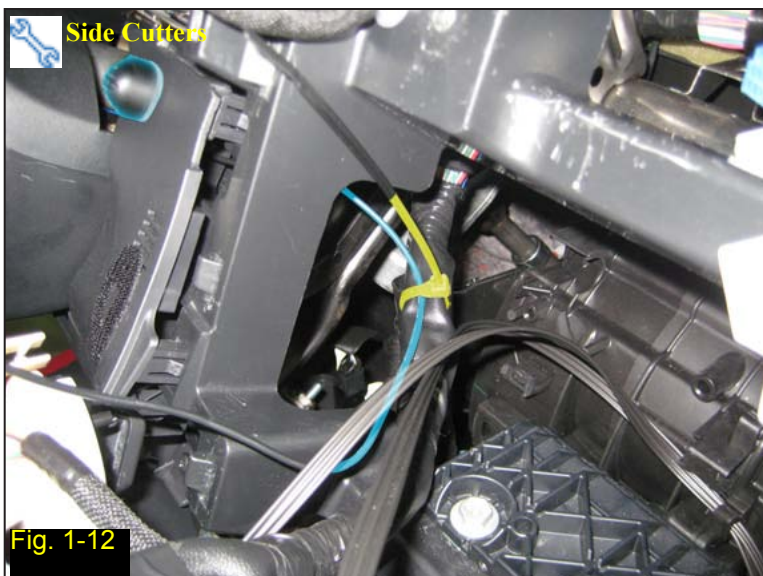


2. Clean the panel to the right of the steering column with VDC approved cleaner (Fig. 1-10).



- c. Mount the microphone (highlighted in blue).
 1. Apply 33 cm of 1/4" wire split loom to microphone end of cable leaving a minimum of 20 mm of exposed wire. Secure wire loom with tape.
 2. Loosen the mounting panel by pulling out the top to disengage the lock tab.
 3. Mount the rear of the microphone towards the left side of the panel (to minimize the amount of exposed wire visible to the customer) and approximately 1/8" from the top of the panel (Fig. 1-11).

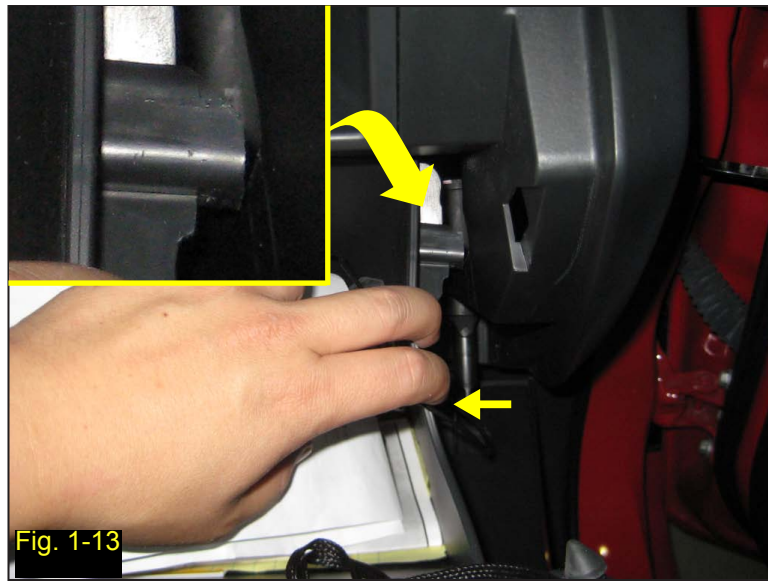
NOTE: 0-20 mm of exposed wire is acceptable.



- d. Route microphone wire.
 1. Route wire behind the mounting panel towards the opening of the HVAC assembly (Fig. 1-12).
 2. Secure to existing wire loom with wire tie.

NOTE: The microphone wire will continue to route towards the glove box with the main wire harness.

BLU Logic wire ties in Figure 1-12 and the remainder of these instructions will be shown in yellow.



4. Interface Module Installation

a. Remove the glove box.

1. Start on the right side, pull in on the side of the glove box to release the lock tab (Fig. 1-13).



2. Now push in on the left side of the glove box to release the lock tab (Fig. 1-14).



3. Slide the glove box support arm off (Fig. 1-15).

NOTE: The glove box can be lowered or completely removed by disengaging the rear from the lock tabs.



b. Route the main power harness.

1. Connect the main power harness to the matching vehicle's radio harness as needed (Fig. 1-16).



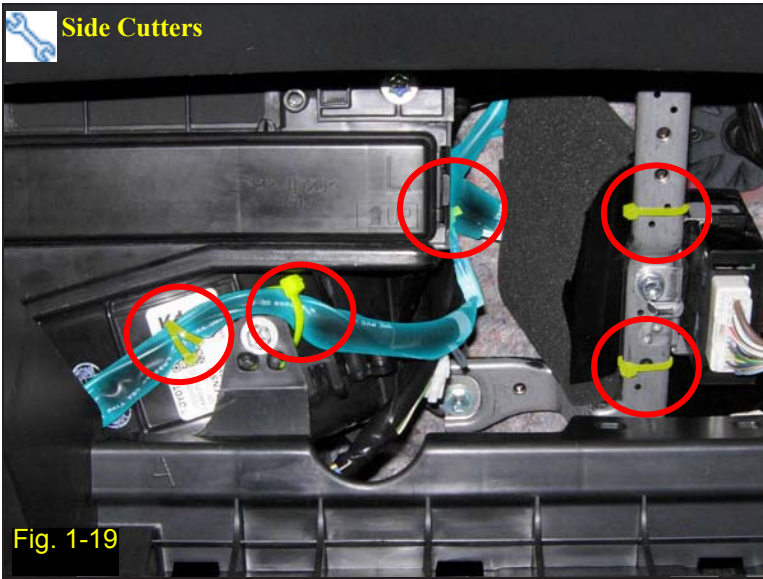
2. Route the main power harness towards the opening of the glove box. (Fig. 1-17).
3. Also route the BLU Logic switch cable and microphone cable from step 3.d at this time.

NOTE: Make sure to route the end that connects to the interface module.



4. Continue routing the cables behind and over the glove box lower cross brace (Fig. 18).
5. Connect all connectors to the interface module.

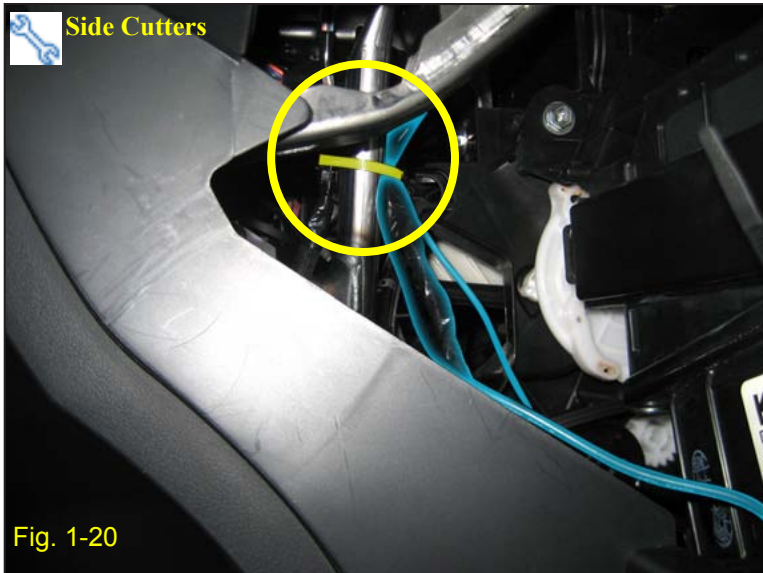
NOTE: The Red connector is connected to the matching Red connector on the module.



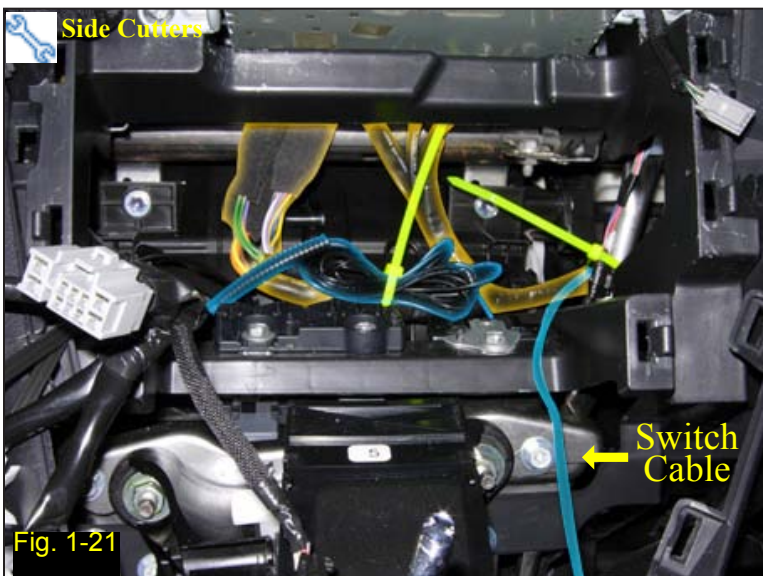
c. Mount interface module.

1. Using two wire ties (2) secure the interface module to the metal bracket right of the cabin filter housing (Fig. 1-19).
2. Remove any slack from the module and secure the BLU Logic harnesses to the wire loom circled in yellow (Fig. 1-19).
3. Use another wire tie and secure the harness to the blower box mounting bolt circled in red (Fig. 1-19).

NOTE: Cut off any excess wire ties.



4. Remove the rest of the slack and secure the BLU Logic harnesses to the support bar left of the glove box opening (Fig. 1-20).
5. Reinstall the glove box assembly.



6. Leave a short pig tail on the switch cable that will connect to the switch.
7. Bundle up the excess microphone and switch cable and secure to the main power harness (Fig. 1-21).
8. Cut off excess wire ties.



Fig. 1-22

5. BLU Logic Switch Installation

- Remove the right knock-out and mount the BLU Logic switch as shown (Fig. 1-22).

NOTE: Solid arrow should be pointed up.

- Connect the switch to the extension cable pig tail already connected to the interface module.
- Reinstall HVAC assembly.

6. Reassemble Vehicle

- Connect the main power harness connectors to the radio's matching connectors.



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.

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

- Reinstall the radio assembly.
- Reinstall cluster bezel.
- Reinstall driver air vent.
- Reinstall radio bezel.
- Reinstall shifter bezel.
- Screw on shift knob.
- Position negative battery cable at the original factory position, tighten the nut to 36 in-lbf (4.07 N.m).



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

- Put owner's manual in 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).

- Remove the protective backing on the round portion of the BLU Logic sticker (Fig. 1-23).



Fig. 1-23



- b. Apply it to the center of the switch so that the sticker hangs towards the right as shown in Fig. 1-24.

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

TOYOTA MATRIX 2009 - HANDS FREE BLU LOGIC
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"/>	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 glove box assembly. To replace, follow Step 13 through 15 to access the fuse location. NOTE: If the fuse is blown, the Hands Free BLU Logic will not turn on.