

Part #: PT923-00090

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

Conflicts: JBL Audio

Kit Contents:



Hardware Content

Item#	Quantity Reqd.	Description
1	1	Interface Module
2	1	Main Power Harness
3	1	3 Button Switch
4	1	Microphone
5	10	9.5" Lock Ties
6	1	Microphone Tape
7	1	Owner's Manual
8	33cm	Wire Split Loom

Additional Items (may be required)

Item#	Quantity Reqd.	Description

Recommended Sequence of Application

Item#	Quantity Reqd.	Description

Vehicle Service Parts (may be required for reassembly)

Item#	Quantity Reqd.	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.lbf (4.07 N.m)
Installation Tools	Notes
Foam Tape	VDC Supplied
Masking Tape	VDC Supplied
Special Chemicals	
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 Option I
4	BLU Logic Switch Option II

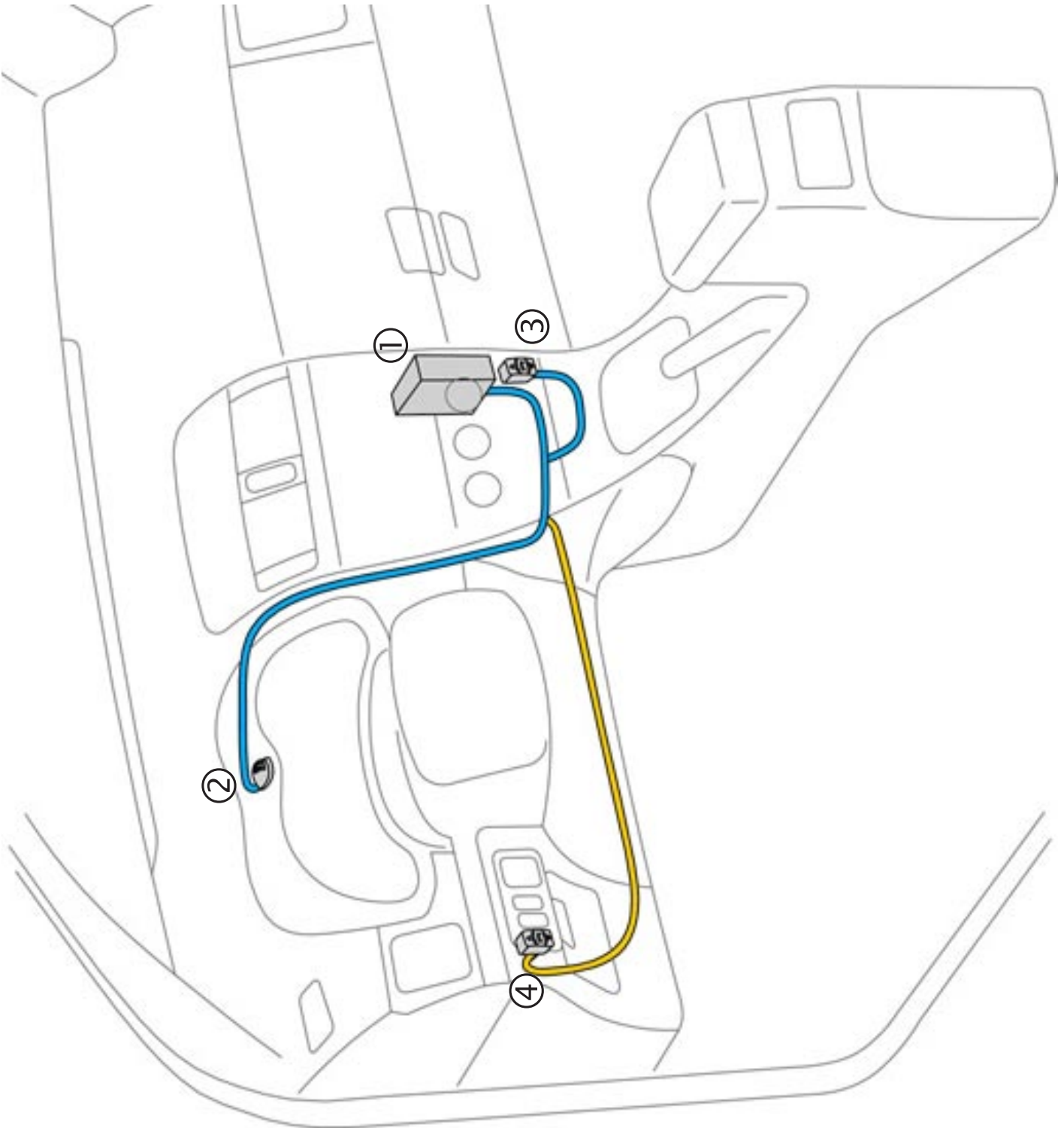






Fig. 1-1



Fig. 1-2

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. Remove shifter bezel.
- b. Disengage the three (3) claws and clip, on the LH garnish and then (3) claw and clips on the RH garnish (Fig. 1-2).

NOTE: Manual transmission vehicles will require unscrewing the gearshift knob.

- c. Remove the upper right and left garnishes.



- 1. Applying protective tape to the upper dash as shown (Fig. 1-3).
- 2. Use the plastic panel removal tool to remove the upper right garnish (Roll-over Image).

 Panel Removal Tool



Fig. 1-4



Fig. 1-5



Fig. 1-6

3. Now remove the left garnish (Fig 1-4).

d. Remove the upper air vent assembly by pulling straight out (Fig 1-5).

1. Disconnect any connectors and set aside.

e. Remove the radio assembly.

1. Remove the radio bezel by disengaging the four clips & pulling straight out. (Fig 1-6).



Fig. 1-7



Fig. 1-9

2. Remove the four (4) 10 mm bolts securing the radio (Fig 1-7).
3. Pull out the radio assembly once the screws are removed.
4. Unplug all connectors from the radio assembly.

NOTE: Take note of where all the plugs are located.

5. Set the radio aside.

3. BLU Logic Switch Install (Option I)

- a. Remove the lower storage compartment.
 1. Remove the two (2) Phillips screws securing the lower storage unit (Fig 1-8).
 2. Disengage the lower storage unit and disconnect any connectors (Rollover Image).
- b. Remove climate control assembly.
 1. Disengage the climate control assembly by carefully pulling straight out (Fig. 1-9).



Fig. 1-10



Fig. 1-11



Fig. 1-12

2. Unplug the two (2) lower plugs on the climate control unit.



NOTE: This will allow you to move the assembly out of the way. DO NOT disconnect any other connectors.

- c. Remove right knock-out blank from HVAC assembly (Fig. 1-10).

1. Mount BLU Logic switch with the solid arrow pointing up.



NOTE: If BLU Logic switch Option I is occupied, use switch Option II (Step 4).



2. Support the HVAC controls with tape to prevent any damage to the connections as well as preventing scratches (Fig 1-11).

- d. Route the BLU Logic switch cable.

1. Route behind the radio cross brace (Fig. 1-12).

2. Leaving a pig tail that will connect to the module.

3. Bundle up the excess and secure with a wire tie.

4. Blu Logic Switch Installation (Option II)



NOTE: If BLU Logic switch Option I is used, skip to Step 5.

a. Remove lower knee panel.

1. Remove one Phillips screw on the lower right side of the knee panel (Fig 1-13).

NOTE: Rollover image available.

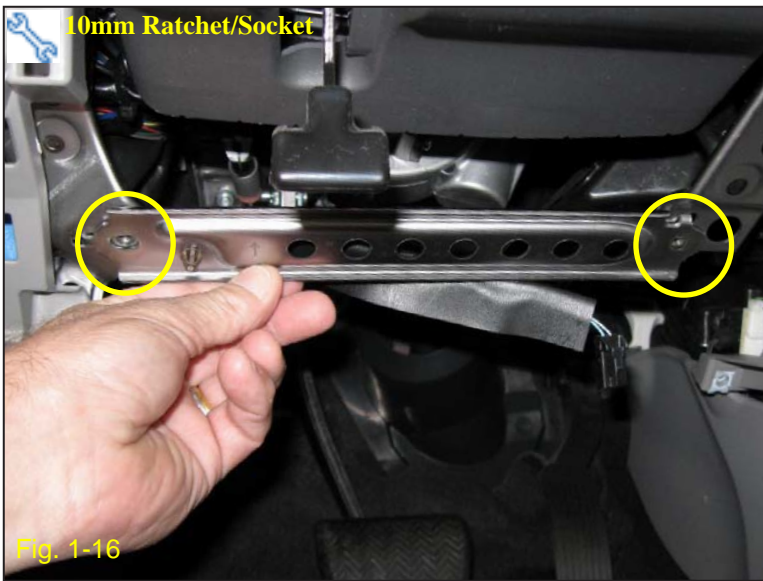


2. Remove another Phillips screw on the lower left side of the knee panel (Fig 1-14).



3. Using your hands, disengage lower knee panel and remove (Fig 1-15).

4. Disconnect any connectors.



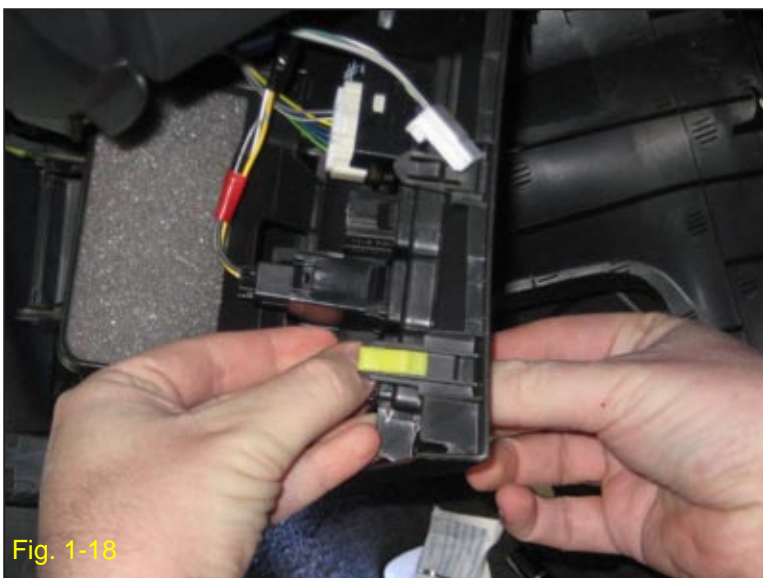
b. Remove metal brace.

+ CAUTION: The metal brace has very sharp edges, be extremely cautious when removing.

1. Remove two (2) 10 mm bolt securing metal brace and remove (Fig 1-16).
2. Detach any wire connectors from the brace.



3. Using your hands, carefully pull out the panel to the left of the knee panel (Fig 1-17).



4. Remove the far left blank plug by squeezing the locking tabs together and pushing out (Fig 1-18).

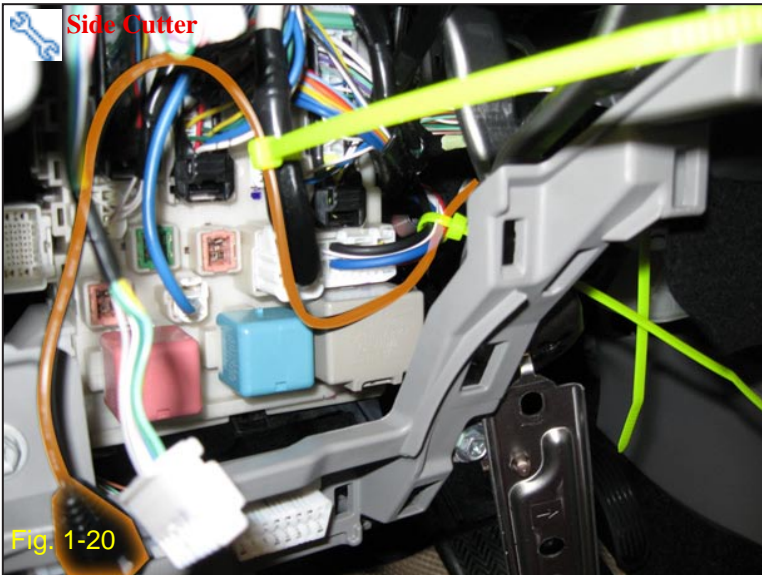
c. Mount the BLU Logic switch (Fig. 1-19).

1. Make sure the solid arrow is pointing up (Rollover Image).

NOTE: If far left blank plug is occupied, use next available blank plug location.

d. Route the switch cable.

1. Route along existing wire loom towards knee opening (Fig. 1-20).
2. Wire tie every 5-6 inches.
3. Cut off excess wire ties.



4. Secure to existing wire loom with a wire tie and continue routing towards radio opening (Fig 1-21).

5. Wire tie every 5-6 inches.

NOTE: Telescope steering wheel to verify wires won't be pulled or stretched.

6. Cut off excess wire ties.

e. Reinstall left hand switch panel, metal brace then knee panel.





5. Microphone Installation.

a. Mount the microphone.

1. Using your hands, disengage the cluster bezel and remove (Fig 1-22).

2. Clean the microphone location thoroughly with VDC approved cleaner.
3. Position the microphone towards the rear and visually centered of the bezel to minimize the amount of exposed wire visible to the customer. 0-8mm of exposed wire is acceptable when the bezel is installed. (Fig. 1-23).

4. Apply 33 cm of the 1/4" wire split loom to the microphone end of the cable leaving a minimum 25 mm of wire exposed.

5. Secure the wire loom with tape.

b. Route microphone cable.

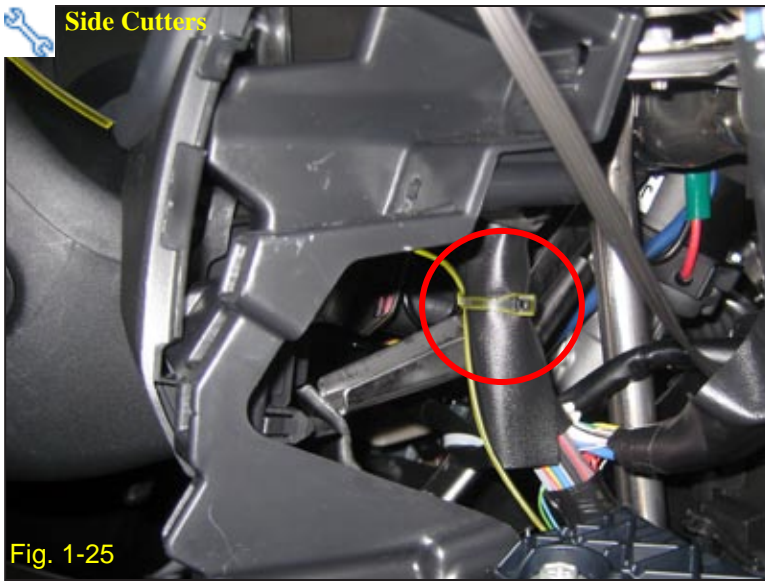
1. Tuck the microphone behind the bezel and secure to the back with tape (Roll-over Image).

NOTE: Masking tape is to hold wire in place temporarily to complete the installation.

2. Route through the opening of the cluster bezel over towards the opening of the radio (Fig. 1-24).

3. Reinstall the cluster bezel.

NOTE: Microphone wire will be secured in the next step.



4. Provide enough slack and secure to existing vehicle wire loom (Fig 1-25).



NOTE: Telescope the steering wheel all the way out to verify wires won't be pulled or stretched.



6. Interface Module Installation

- a. Connect the main power harness to the Blu Logic interface unit (Fig. 1-26).
 1. Also connect the microphone cable as well as the Blu Logic switch cable to the interface module.

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



- b. Mount the interface module.
 1. Install two (2) zip ties through the module (Fig. 1-27).

2. Mount the module to the support bar to the right of the radio cavity (Fig. 1-28).

NOTE: Rollover Image shows the module mounted with the glove box removed. The glove box was removed for instruction purposes only. Removal is not required during installation.

- c. Route main power harness.

1. Connect the main power harness to the vehicle's matching radio harness (Fig 1-29).

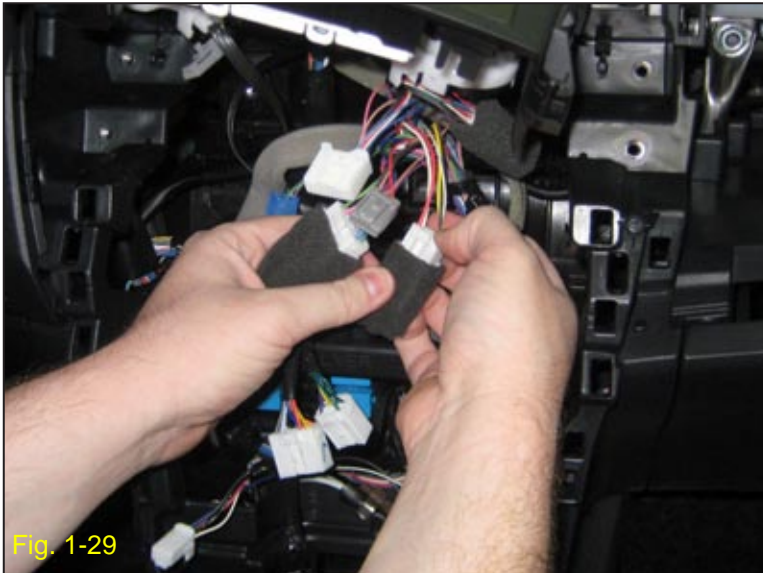


Fig. 1-29



NOTE: AVC-LAN (12 pin) connector may not be present on the vehicle's harness. Wire tie this connector to the harness un-connected, 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.

- d. Route main harness behind radio's cross brace (Fig. 1-30).
- e. Secure main harness, microphone and switch to existing wire loom with wire tie.
- f. Reinstall climate control and lower storage assembly.
- g. Reinstall radio assembly.

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.

- h. Reinstall air vent assembly.
- i. Reinstall all garnishes.
- j. Position negative battery cable 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(s) during removal.

- k. Place owner's manual in glove box.

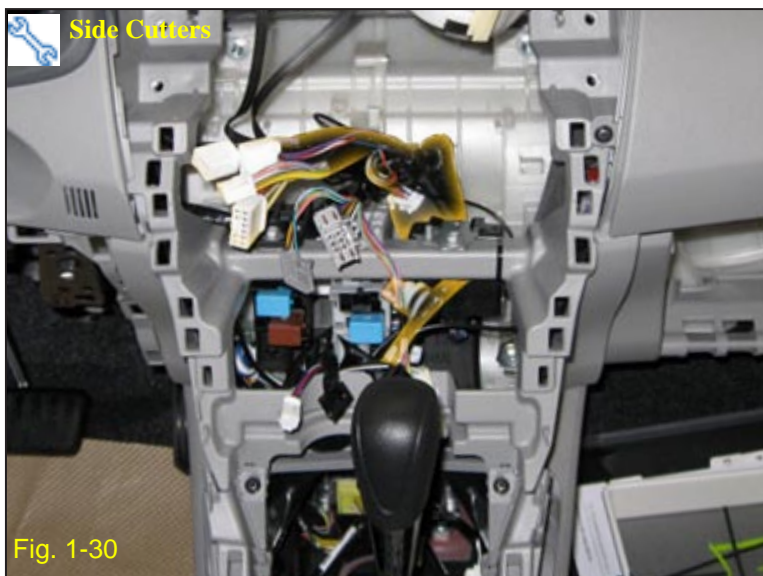


Fig. 1-30

Accessory Function Checks

Major Action Item

	Check:	Look For:
1	Factory Radio	Install fuse (short pin) for the following function checks. Remove fuse (short pin) once function checks are complete 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.
2	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. Pairing the module to a phone is not required. This is the customers (or dealers) responsibility.
3	Audio Output	Turn the balance to the L and verify that one (1) beep is coming from the left front speaker. Repeat for the (R) 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"/>	Mirror Switch	<input type="checkbox"/>	Verify the proper operation of the mirror switch.
<input type="checkbox"/>	NAV System (if equipped)	<input type="checkbox"/>	Confirm navigation operation by AVN diagnostics.
<input type="checkbox"/>	Left & Right Seat Heater Switch (if equipped)	<input type="checkbox"/>	Verify the proper operation of the L&R heater switch.
<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>

Kit Service Information

	Item:	Location:
1	3-Amp in-line Fuse	The fuse is located behind the HVAC assembly. To replace, follow Step 1-10 to access the fuse location. Note: If the fuse is blown, the Hands Free Blu Logic will not turn on.