

Preparation

Part #: PT923-00090

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

Conflicts: JBL Audio and/or Factory Navigation

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	33 cm	1/4" Split Wire 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

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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	8, 10 mm, Extension
Screwdriver	Phillips (#2); Flathead
Side Cutters	
Torque Wrench	36 in-lbf (4.07 N.m)
Installation Tools	Notes
Masking Tape	VDC Supplied
Foam 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.

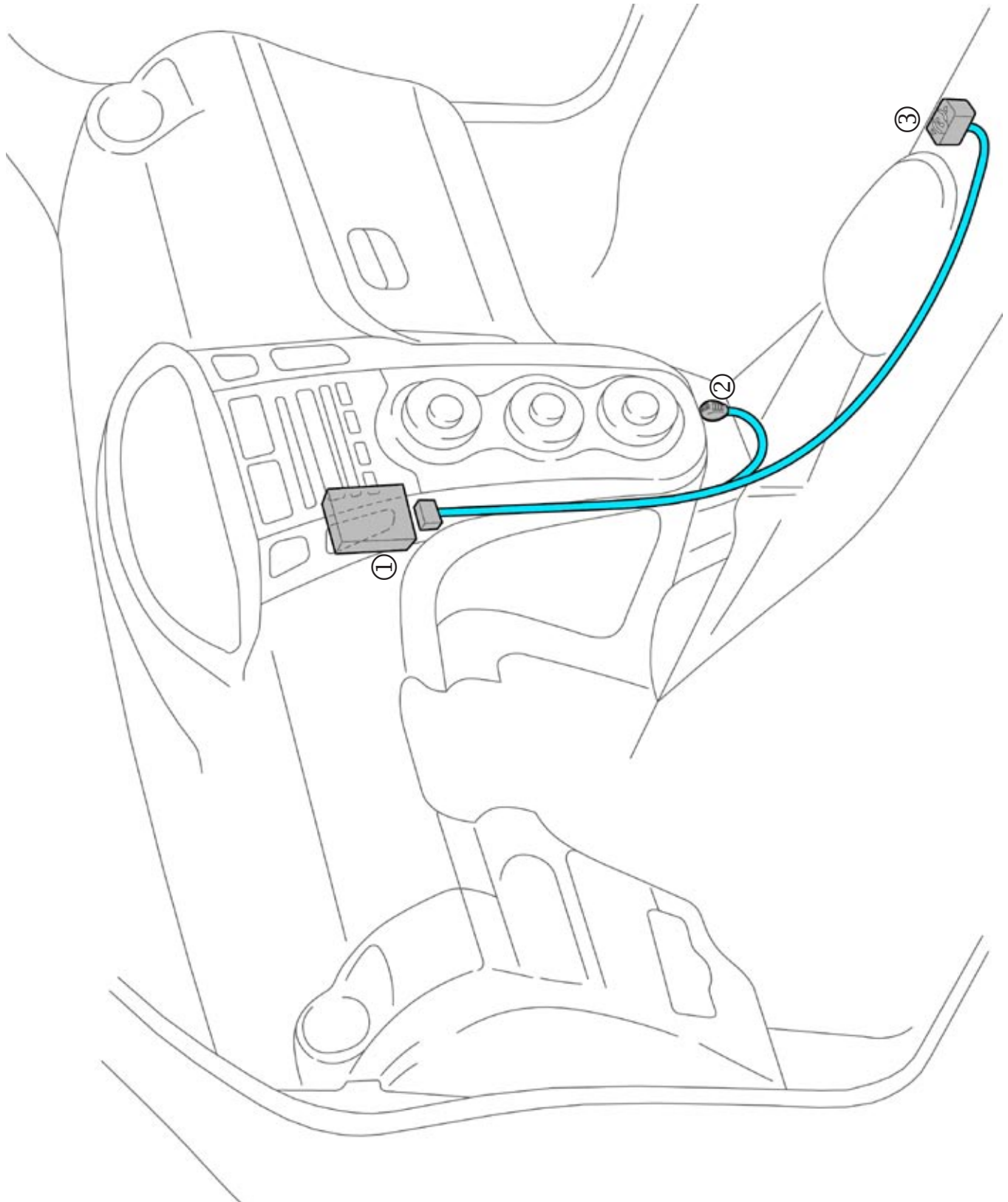
This document covers such items as:

- 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.

Preparation

Content Location	
1	Interface Module
2	Wired Microphone
3	3 Button Blu Logic Switch



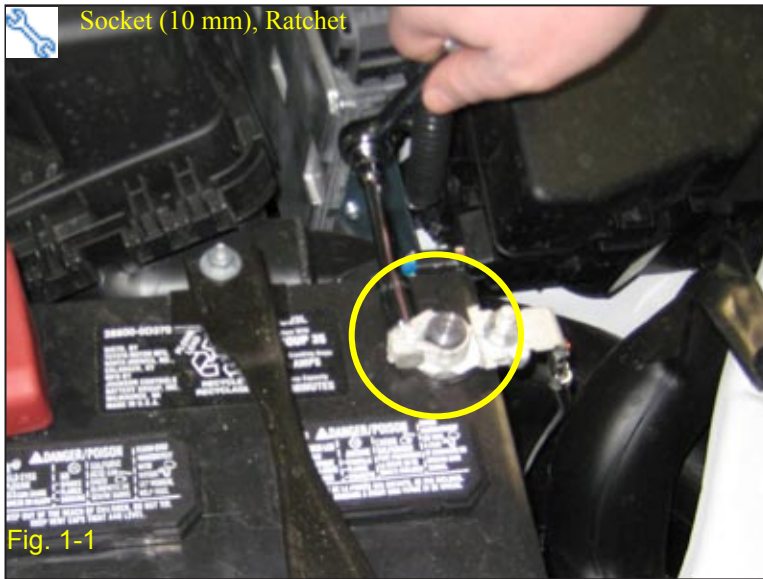




Fig. 1-1

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

AUTOMATIC TRANSMISSION MODELS

- a. Use a flathead screwdriver to remove the shift lock cap (Fig. 1-2).

NOTE: Apply protective tape to the screwdriver to prevent any scratches that may occur.

1. Disengage the shift lock and shift vehicle out of park. Make sure parking brake or wheel block is used. (Rollover Image).
2. Remove cluster panel.

MANUAL TRANSMISSION MODELS

3. Unscrew shift knob and remove cluster panel.
- b. Remove the center cluster under panel.
 1. Use your hands, disengage the clips and remove (Fig. 1-3).



Fig. 1-3



- c. Remove the center cluster side panels.
 1. Using a 10 mm socket, remove the two (2) screws pictured (Fig. 1-4).



2. Use hands or a plastic panel removal tool to disengage the left and right center cluster side panels (Fig. 1-5).
3. Apply protective tape to the HVAC assembly as shown.

NOTE: Tape not required if using hands. Start from the bottom.



- d. Remove the cluster bezel.
 1. Using your hands, gently pull on the left and right corner of the bezel to disengage and remove (Fig. 1-6).



- e. Remove the radio assembly.
 - 1. Remove four (4) 8 mm screws from the right and left radio brackets (Fig 1-7).



- 2. Using your hands, gently pull out the radio to disengage the four (4) clips (Fig. 1-8).
 - 3. Disengage the climate control assembly and move out of the way.

NOTE: DO NOT remove any connectors.



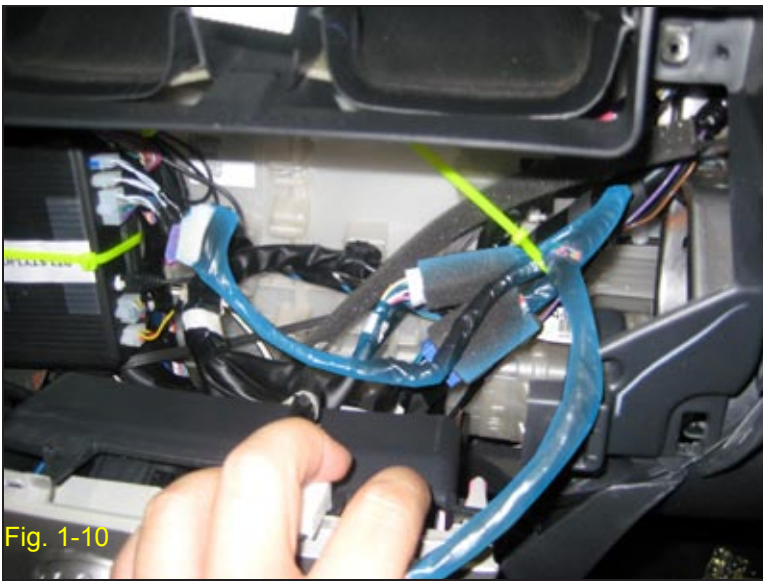
- 4. Carefully support/hold radio while disconnecting connectors. Be sure not to place excess stress on connectors.



3. Interface Module Installation

- a. Mount the module.
 - 1. Interlock two wire ties and mount the module to the metal bracket left of the radio cavity (Fig. 1-9).

NOTE: Module will be wrapped in foam tape.



- b. Connect the main power harness to the interface module (Fig. 1-10).

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

- 1. Secure main power harness to vehicle's radio harness with wire tie(s).



4. BLU Logic Switch Installation

- a. Remove the front console panel.
 - 1. Using hands or panel removal, disengage the front clips and remove (Fig. 1-11).
 - 2. Remove any connectors and set aside.



- b. Remove the rear console panel.
 - 1. Remove the two (2) 10 mm screws securing the instrument panel pockets (Fig. 1-12).



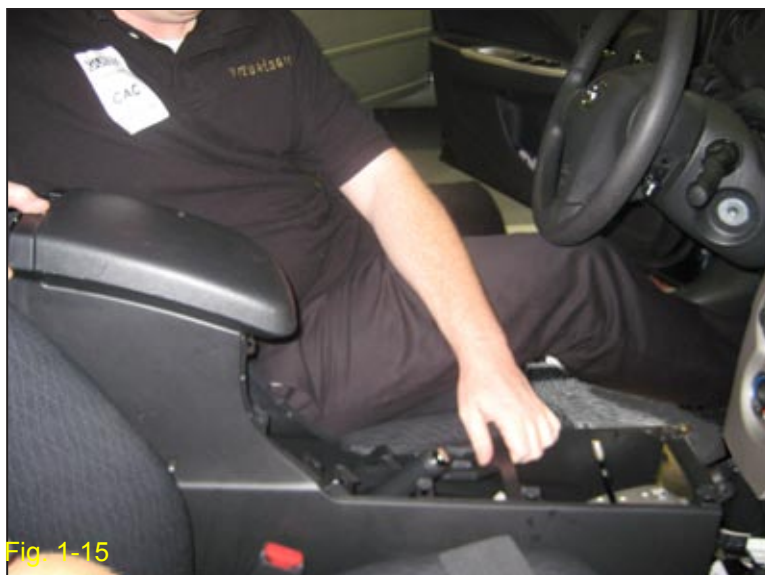
2. Disengage the rear of the rear console panel with hands or a panel removal tool (Fig. 1-13).
3. Apply protective tape to the top of the rear center console.

NOTE: Protective tape not required if using hands.

4. Disconnect any connectors and set aside.



- c. Remove the floor console.
 1. Remove two (2) 10 mm screws (Fig. 1-14).



2. Pull up the back of the floor cluster and set aside (Fig. 1-15).



Fig. 1-16

- d. Remove the right instrument panel pocket by gently pulling on the top (Fig. 1-16).

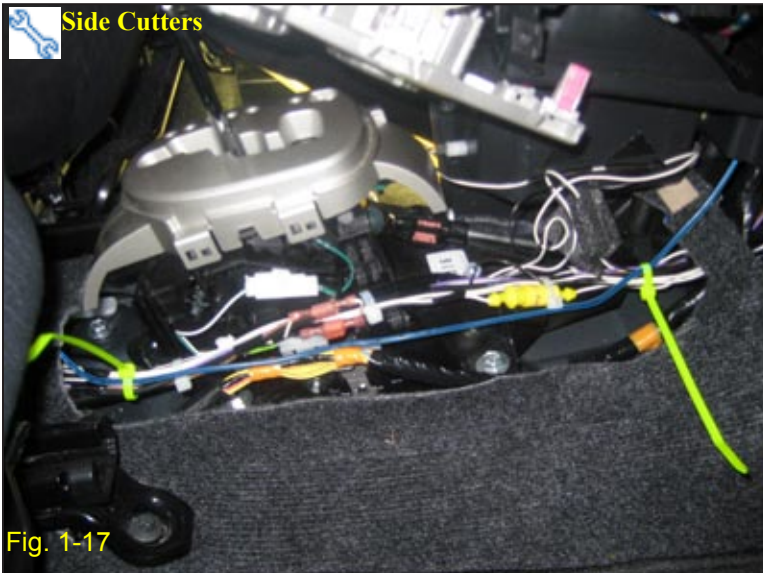


Fig. 1-17

- e. Route BLU Logic switch cable.
 - 1. Route towards opening of radio.
 - 2. Secure to existing wire loom (Fig 1-17).
 - 3. Wire tie about every 5-6 inches. Cut off excess wire ties.

NOTE: Leave a pig tail that will connect to the switch.

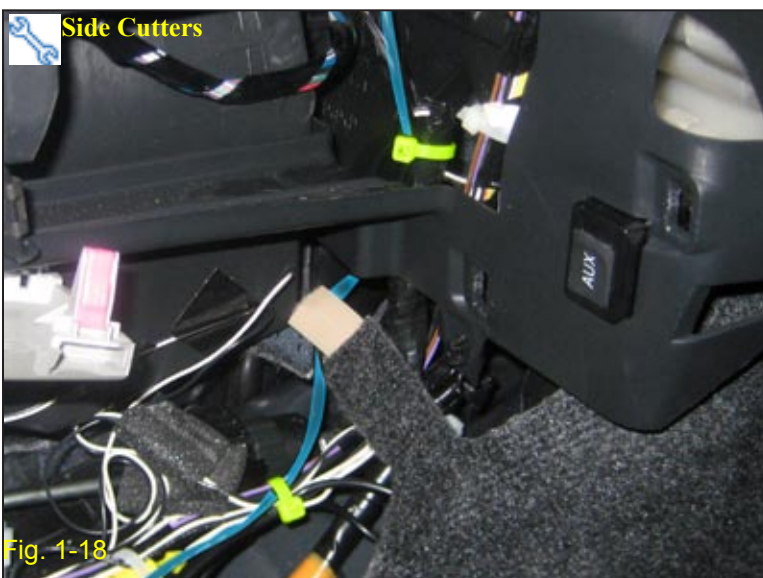


Fig. 1-18

- 4. Continue under the carpet and behind the panel (Fig. 1-18)

NOTE: Loosely route the microphone wire towards the interface module at this time. Microphone will be mounted later.

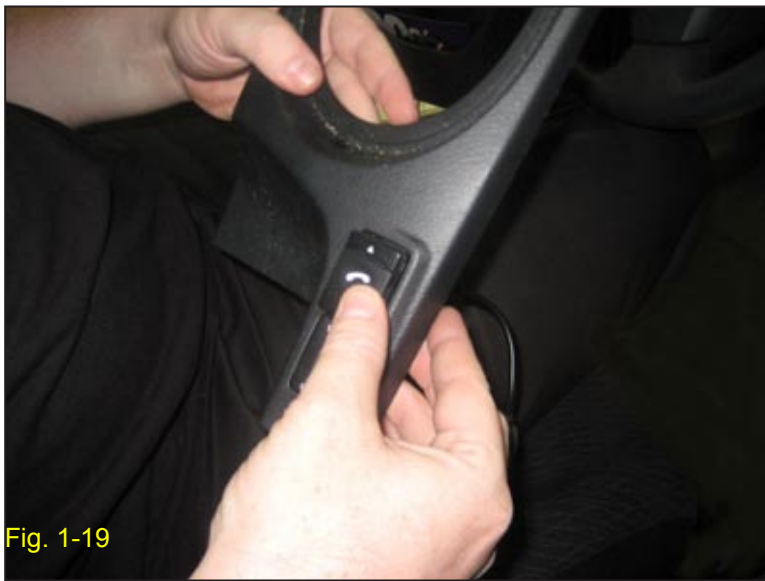


Fig. 1-19

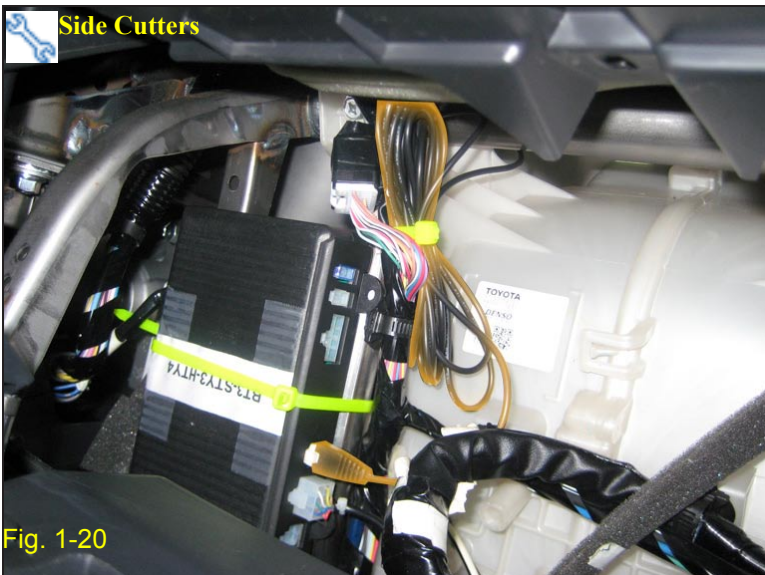


Fig. 1-20



Fig. 1-21

- f. Mount the 3 button switch
 1. Remove the knock-out from the front console panel.
 2. Mount the switch with the solid arrow pointing towards the front of the car (Fig. 1-19).
 3. Reinstall floor console.
 4. Reinstall rear and front console panel.
 5. Connect microphone and switch cables to the interface module.
 6. Bundle up any excess microphone and switch wire and secure to exiting wire loom with wire tie(s) (Fig. 1-20).
 7. Cut off excess wire ties.

- g. Connect main power harness connectors to the radio's matching connectors as needed (Fig. 1-21).



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.



Fig. 1-22



Fig. 1-23

1. Reinstall the radio assembly.
2. Reinstall the HVAC assembly.
3. Reinstall the right and left center cluster side panel.

5. Microphone Installation

1. Clean the center cluster under panel with an approved VDC cleaner.
2. Apply 33 cm of the 1/4" wire split loom to the microphone end of the cable leaving minimum of 8 mm of wire exposed (Fig. 1-22).
3. Mount the microphone to the bottom of the panel and directly in the center to minimize the amount of exposed wire visible to the customer. 0-8mm is acceptable (Fig1-23).

NOTE: The back of the panel has a tooling mark at dead center for reference

4. Screw on the shift knob.
 - a. 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 during removal.

- b. Put the owner's manual in the glove box or hand to the customer.

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

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"/>	HAVC	<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>

Kit Service Information

	Item:	Location:
1	3-Amp in-line Fuse	The fuse is located behind the radio assembly. To replace, follow Step 1-8 to access the fuse location. Note: If the fuse is blown, the Hands Free Blu Logic will not turn on.