

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	33cm	1/4" 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; 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.

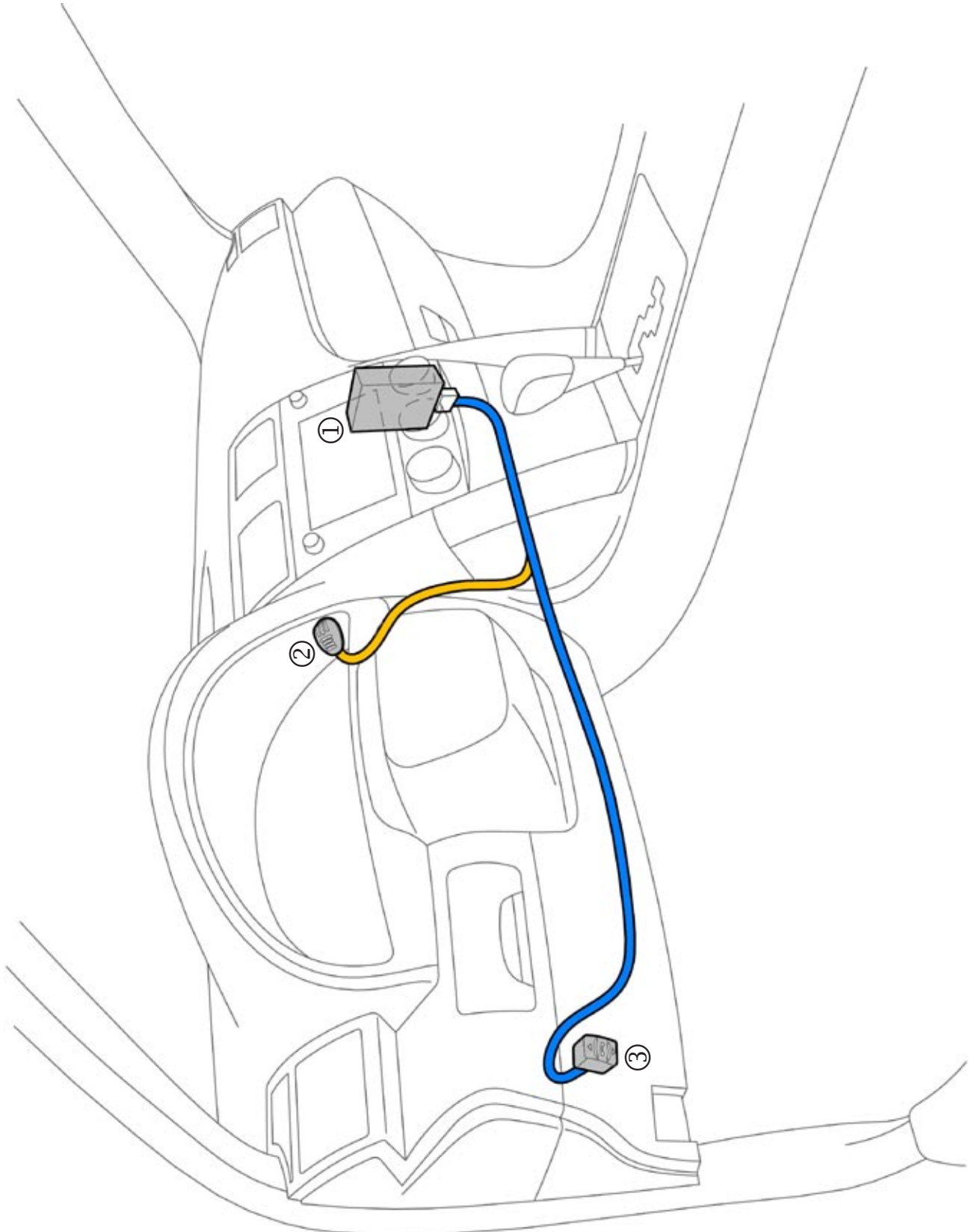
These guidelines can be found in the “Accessory Installation Practices” document.

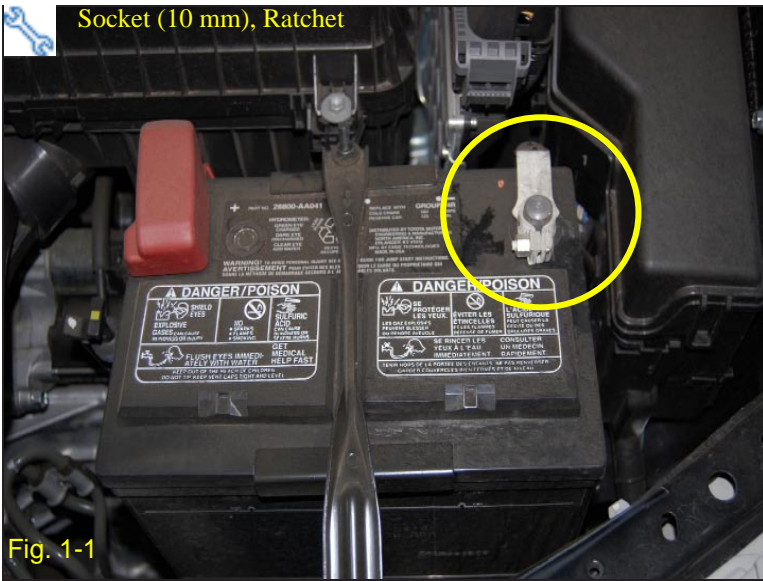
This document covers such items as:

- 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.

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





## 1. Vehicle Preparation

-  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

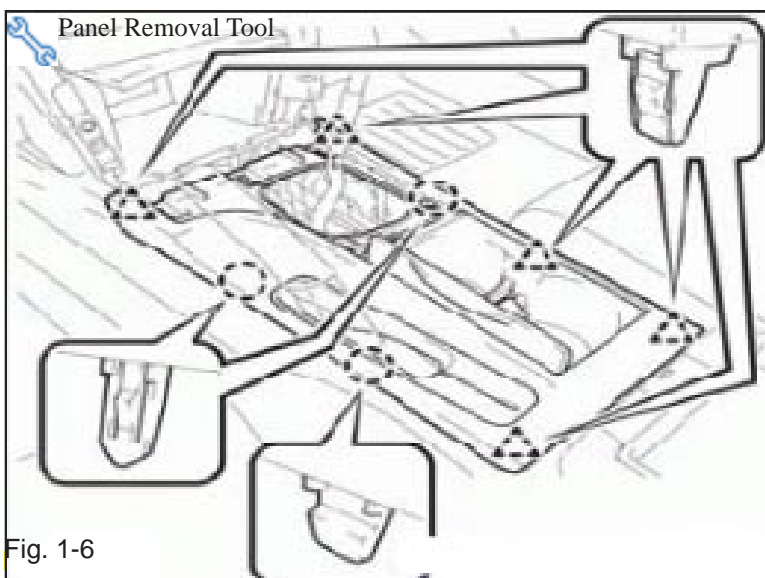
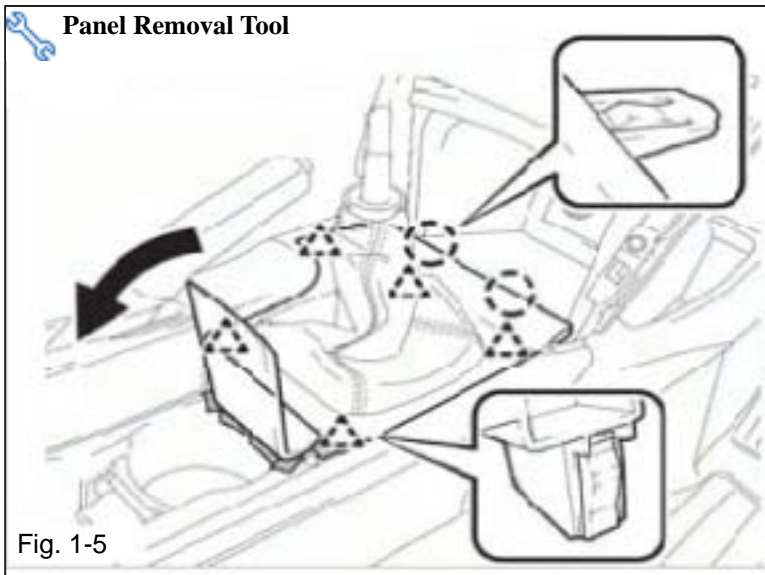
- a. Remove left instrument panel garnish.
  - 1. Using your hands, disengage 2 clips and remove instrument panel garnish (Fig. 1-2).

NOTE : Pull instrument panel garnish up at a 45° angle to remove it.



- b. Remove right instrument panel garnish.
  - 1. Using your hands, disengage 2 clips and remove instrument panel garnish (Fig. 1-3).

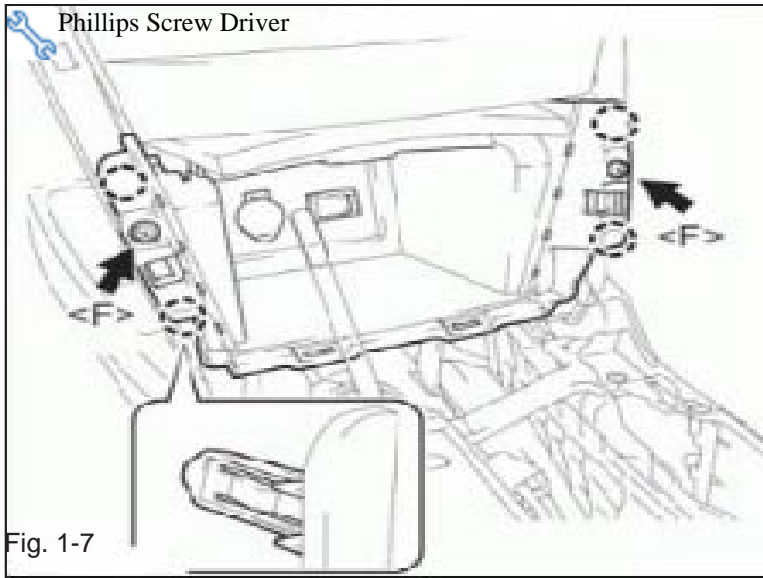




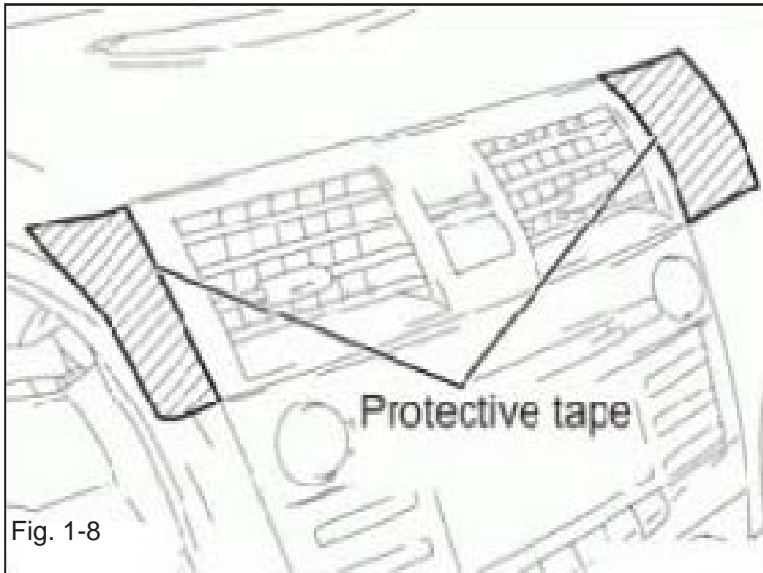
- c. Remove upper center console on **Auto-matic Transmission**.
  1. Unscrew shift knob.
  2. Disengage 3 claws and 5 clips with panel removal tool (Fig. 1-4).
  3. Disconnect any connector and remove.

- d. Remove upper console shift boot panel for **Manual Transmission**.
  1. Unscrew shift knob.
  2. Disengage 2 claws and 5 clips with panel removal tool & remove panel (Fig. 1-5).

- e. Remove center console garnish on **Manual Transmission**.
  1. Disengage 3 claws and 5 clips with panel removal tool. (Fig. 1-6)
  2. Disconnect connector and remove garnish.



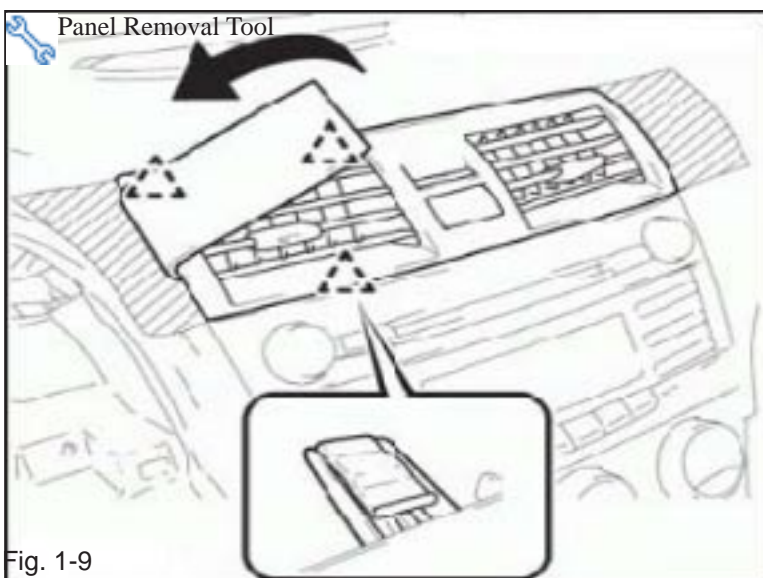
- f. Remove upper center console panel assembly. (Fig. 1-7)
1. Remove two (2) Phillips screws.
  2. Disengage four (4) claws.
  3. Disconnect connectors & remove panel.



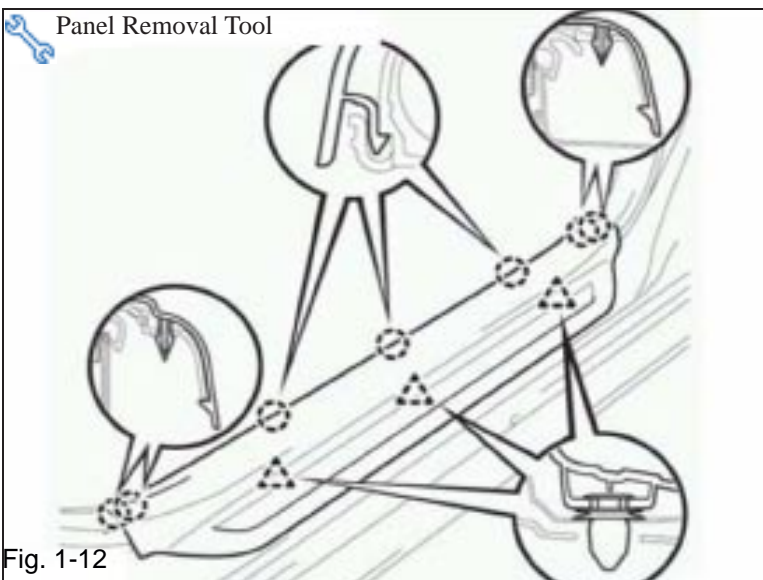
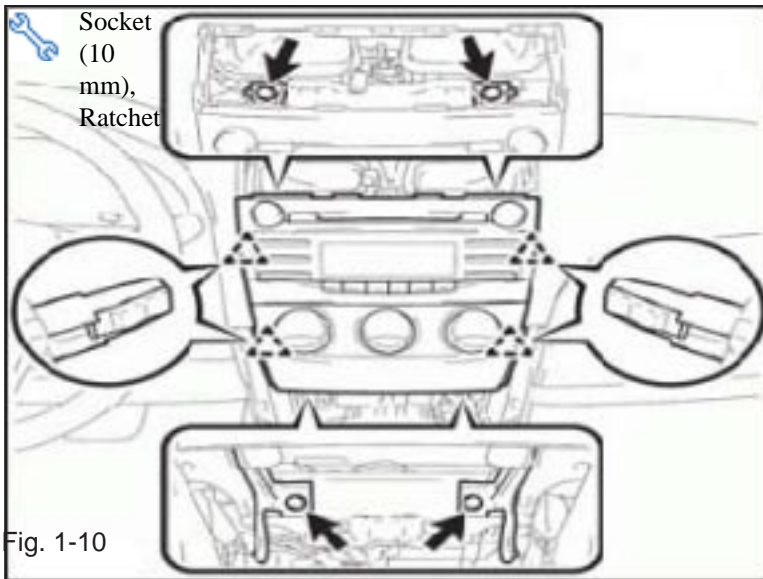
- g. Remove instrument panel air vent assembly.
1. Apply protective tape as shown (Fig. 1-8).



NOTE: Protective tape is not required for removing the HVAC vents if pried from the bottom of the bezel and then pulled to remove.



2. Using panel removal tool, disengage three (3) clips on left side (Fig. 1-9).
3. Disengage four (4) clips on right side.
4. Disconnect any connectors and pull straight back.
5. Remove vent assembly.



h. Remove four (4) radio bolts.

1. Using a 10 mm socket remove the four (4) radio bolts (Fig. 1-10).

i. Gently pull out the radio (Fig. 1-11).

1. Rest on a support platform to prevent scratching of dash panels.

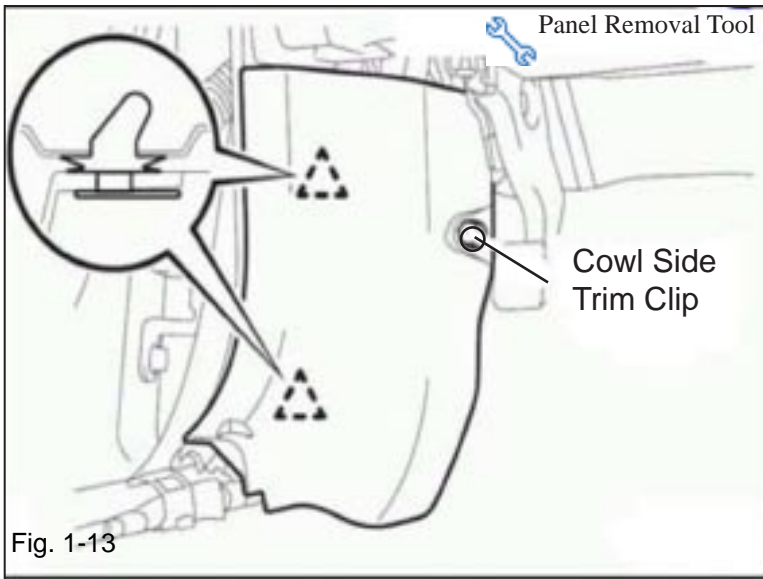
NOTE: Be careful not to put too much tension on the radio connections when pulling out the radio.

2. Unplug all connectors and set radio aside.

### 3. BLU Logic Switch Installation

a. Remove driver side door scuff plate.

1. Disengage with panel tool and remove (Fig. 1-12).



b. Remove the driver side cowl side trim (Fig. 1-13).

1. Unscrew the cowl side trim clip.
2. Disengage two (2) clips and remove the cowl side trim.



c. Remove the finish panel covering the knee airbag.

1. Remove 10mm bolt located on the lower left corner of the finish panel (Fig. 1-14).



2. Remove the Phillips screw located on the bottom right corner of the finish panel (Fig. 1-15).



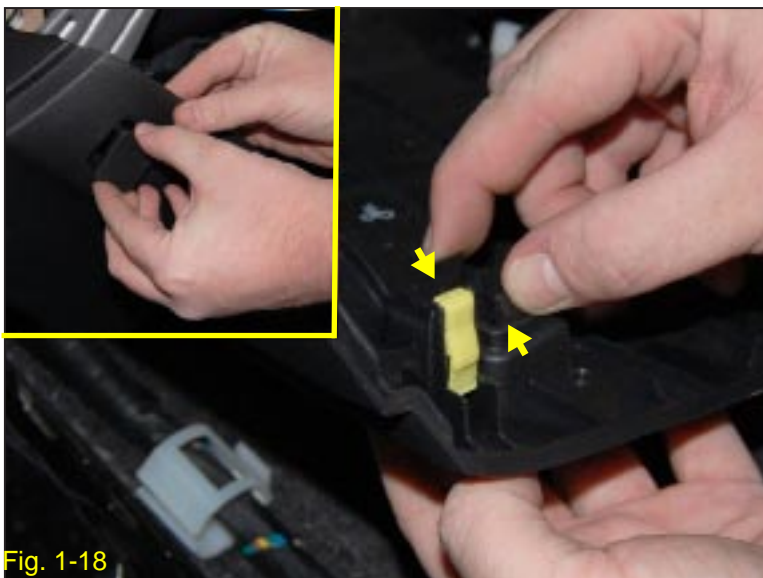


3. Using your hands, gently pull out the finish panel to disengage the 6 clips and 4 claws (Fig. 1-16).

NOTE - Start from the bottom and work your way up.



4. Remove hood latch cable by sliding the plastic end to the right to release it from the lock (Fig. 1-17).



- d. Mount the BLU Logic switch.
  1. Remove the blank plug.
  2. Squeeze the locking tabs together and push to remove the blank plug (Fig. 1-18).



Fig. 1-19

3. Mount BLU Logic switch in place of the blank plug (Fig. 1-19).

NOTE: Solid white arrow should be pointing up.



Fig. 1-20

- e. Wrap the switch wire with 13cm of 1/4" split wire loom (Fig. 1-20).

1. Secure with tape and set aside.



Fig. 1-21

- f. Route the receptacle end of the switch extension cable.

1. Go up through the opening of the radio towards the driver side finish panel (Fig. 1-21).

2. Route above knee air bag and behind the metal bracket as shown (Fig. 1-22).

**+** CAUTION: To avoid injuries, be careful when routing wire around sharp metal brace.

NOTE: Provide sufficient slack to connect to the switch. Attach to the air duct below the steering column if existing harness not available.

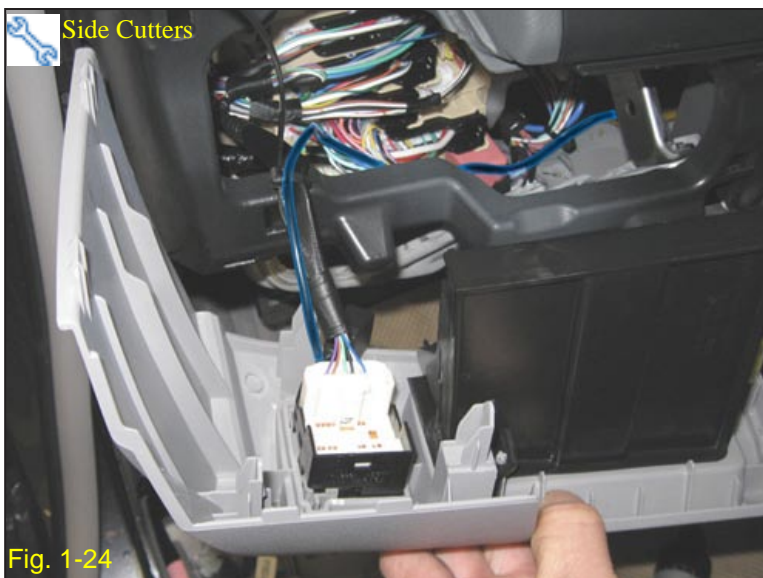
3. Secure the cable to existing wire loom with wire ties marked with the yellow circles and cut off excess wire ties.

NOTE: Rollover Image Available.

**!** Knee SRS bag removed for visual purposes only in Rollover View. Do not remove for install.

- g. Remove left trim panel.

1. Using your hands, gently pull out the panel and remove (Fig. 1-23).
2. Disconnect any connectors and set aside.



3. Secure switch extension to the power mirror harness with a wire tie (Fig. 1-24).



#### 4. Microphone Installation.

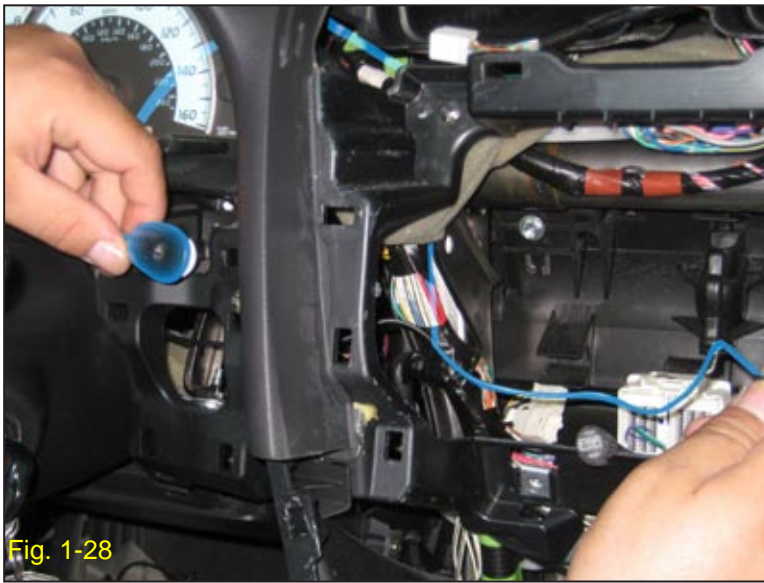
- a. Remove the panel to the right of the steering column (Fig. 1-25).
  1. Using your hands or a panel removal tool, disengage the clips and remove.

- b. Remove instrument cluster bezel.
  1. Remove two (2) plastic inserts.
  2. Using a flathead screwdriver or other appropriate tool, remove clip by pushing in on center of pin to release (Fig. 1-26).
  3. Using your hands, remove instrument cluster bezel from the bottom (Roll-over Image).

Fig. 1-26



- c. Route microphone wire.
  1. Apply 20 cm of the 1/4" wire split loom to the microphone end of the cable leaving a minimal of 8mm of wire exposed (microphone side).
  2. Secure wire loom with tape.
  3. Route through the opening of the bezel (Fig. 1-27).



4. Continue down towards the open of the radio behind the cross brace (Fig. 1-28).

NOTE: Wire will be secured later.

- d. Mount the microphone.
  1. Clean the bezel with VDC approved cleaner.
  2. Mount the microphone on the right rear corner of the bezel to minimize the amount of exposed wire visible to the customer. 0-8mm of exposed wire when the bezel is installed is acceptable (Fig. 1-29).

NOTE: Rollover Image Available.

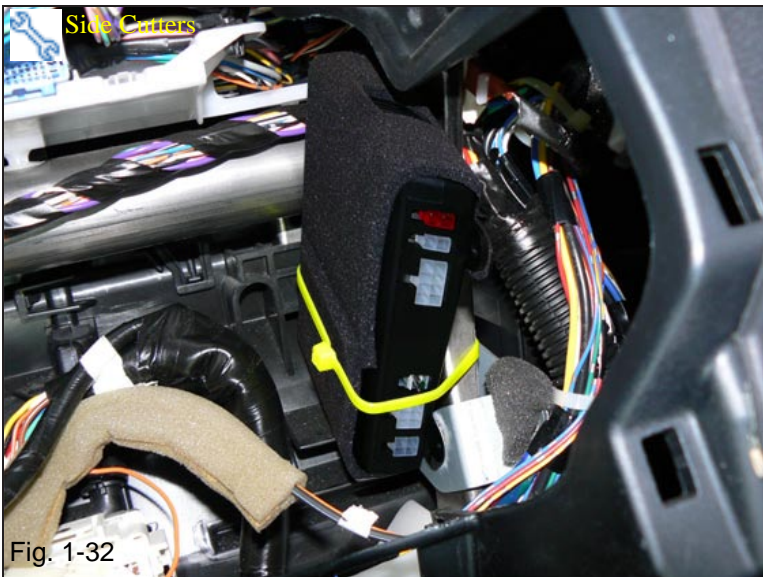
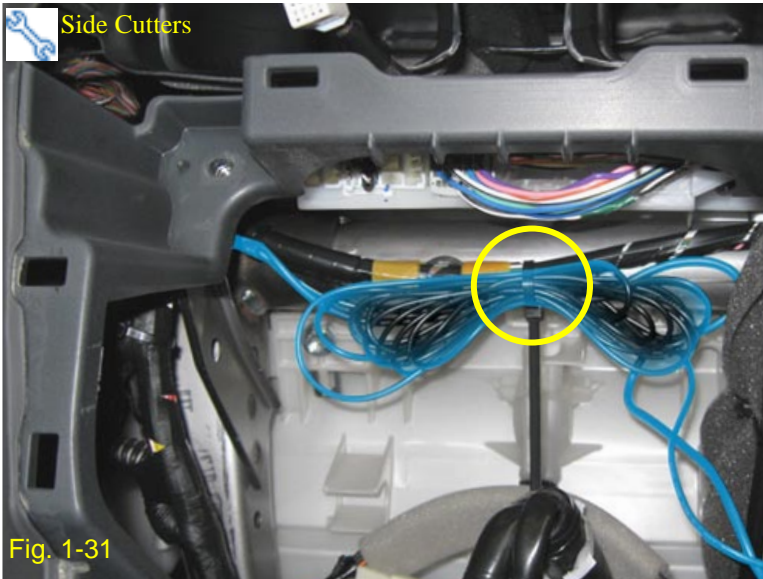


3. Wrap the microphone wire around the back-side of the bezel and secure in place with tape (Fig. 1-30).

NOTE: Masking tape used to secure cable out of way during install only.

4. Reinstall the bezel.
5. Reinstall the two side panels.
6. Reinstall hood latch cable, knee panel, cowl side trim and driver side scuff plate.


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



7. Remove most of the slack on the microphone wire.
8. Bundle up excess microphone and switch wire and secure to existing wire loom (Fig. 1-31).

### 5. Interface Module Installation

- a. Mount the interface module.
    1. Secure the module to the metal bracket on the right of the radio cavity with two (2) wire ties (Fig. 1-32).
    2. Connect main power harness to interface module.
- Note: The Red connector is connected to the matching Red connector on the module.
3. Secure to existing wire loom with wire ties. Cut of excess wire ties.
  4. Connect the main power harness to the matching vehicle's radio harness (Fig 1-33).


 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.

5. Reinstall radio and all panels.

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.

- b. 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.

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

**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"/>	12V Power Socket	<input type="checkbox"/>	Verify the proper operation of the 12V Power Socket.
<input type="checkbox"/>	AUX Jack	<input type="checkbox"/>	Verify the proper operation of the AUX Jack.
<input type="checkbox"/>	Power Mirror Switch	<input type="checkbox"/>	Verify the proper operation of the mirror switch.
<input type="checkbox"/>	Hood Release	<input type="checkbox"/>	Verify the proper operation of the hood release.
<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 radio assembly. To replace, follow Step 1-12 to access the fuse location.  Note: If the fuse is blown, the Hands Free Blu Logic will not turn on.