

**Part Number: 08586-47841**

**Kit Contents**

Item #	Quantity Reqd.	Description
1	1	V5 ECU
2	1	Wire Harness
3	1	ECU Mounting Bracket

**Hardware Bag Contents**

Item #	Quantity Reqd.	Description
1	1	Microphone
2	2	Bolt
3	4	Small Foam Tapes
4	5	Wire Ties
5	2	Window stickers
6	1	Owner's Manual
7	1	Warranty Card

**Additional Items Required For Installation**

Item #	Quantity Reqd.	Description

**Conflicts**

Note: Do not install in vehicle with factory keyless entry.

**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets, Part Boxes
<b>Special Tools</b>	<b>Notes</b>
Striker Tool (PPO Only)	ALL 02-016-01
Scan Tool and Software Card	01001271 with version 13.1 software (or later)
<b>Installation Tools</b>	<b>Notes</b>
Phillips Head Screwdriver	#2, screwdriver or tip
Screwdriver	Flat Blade, Jeweler's
Sockets	10mm, 12mm
Wrench	10mm
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Pneumatic/Electric Wrench	
Side Cutters	
Torque Wrench	6.0 N·m (53 lbf·in)
Electrical Tape	
<b>Special Chemicals</b>	<b>Notes</b>
Cleaner	3M™ Prep Solvent - 70
Glass Cleaner	Household Windex

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

**General Applicability**

Note: Prius with factory remote keyless entry, only.

**Recommended Sequence of Application**

Item #	Accessory	

\*Mandatory

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

Item #	Quantity Reqd.	Description

**Legend**



**STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.



**OPERATOR SAFETY:** Use caution to avoid risk of injury.



**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.



**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

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.

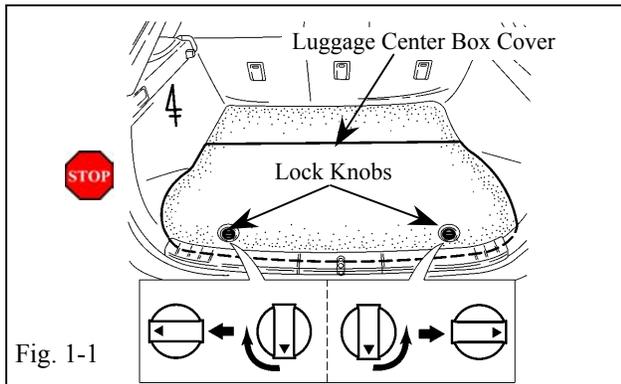
These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

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

Please see your Toyota dealer for a copy of this document

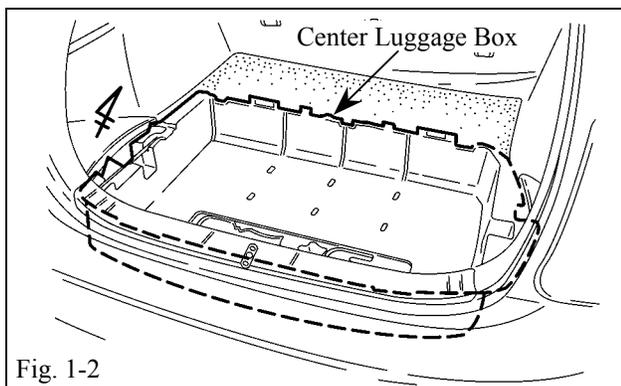
### 1. Vehicle Disassembly.



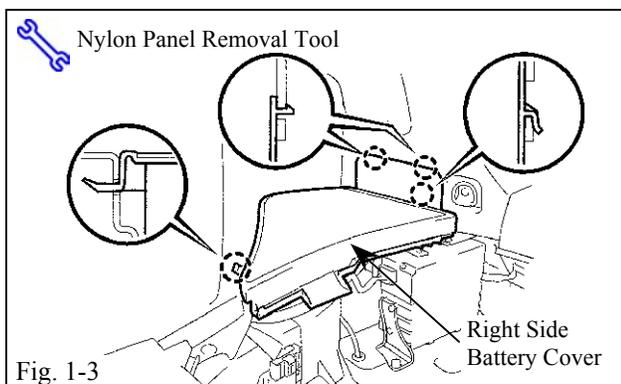
(a) Lift up the luggage center box cover (rear floor board no. 2). (Fig. 1-1)

(1) Cover the rear trunk edge and bumper with blanket before starting.

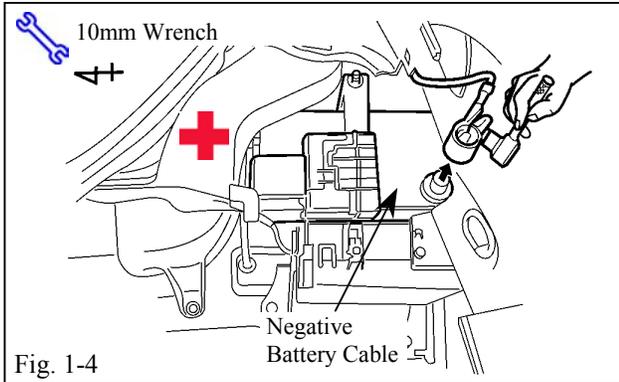
(2) Release the lock mechanism from the lock to the unlock position.



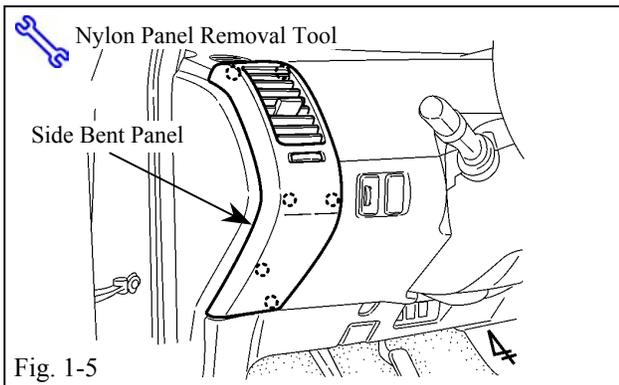
(b) Lift up the center luggage box (deck floor box rear). (Fig. 1-2)



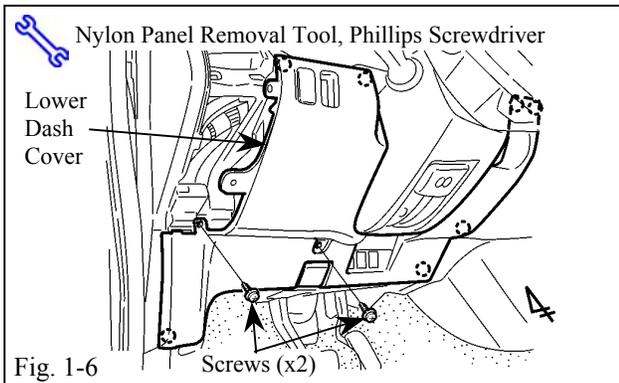
(c) Remove the right (passenger) side battery cover (rear floor board no. 3) including the vertical trim cover by separating the four (4) claw fittings. (Fig. 1-3)



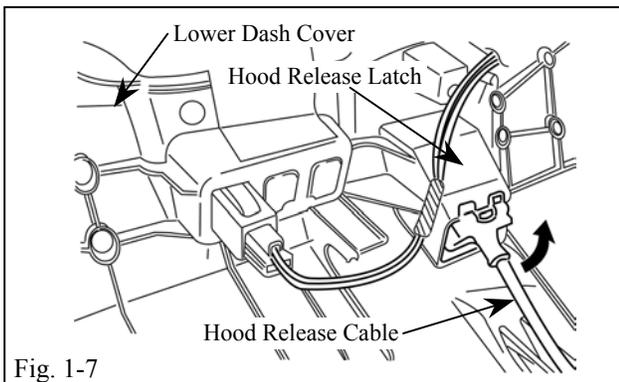
- (d) Remove the negative battery cable of the auxiliary battery. (Fig. 1-4)
- (1) Do not touch the positive terminal with any tool when removing the cable.



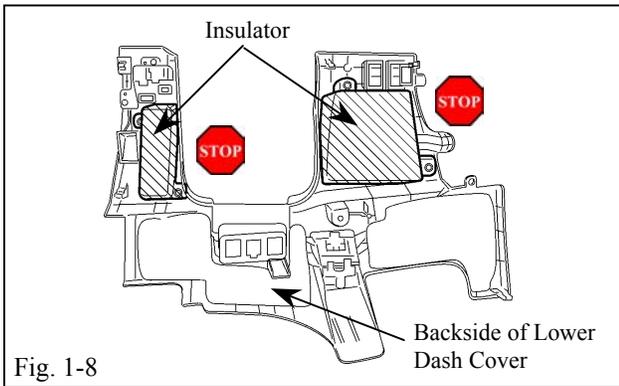
- (e) Remove the driver side vent panel by releasing the six (6) panel clips/locator pins. (Fig. 1-5)



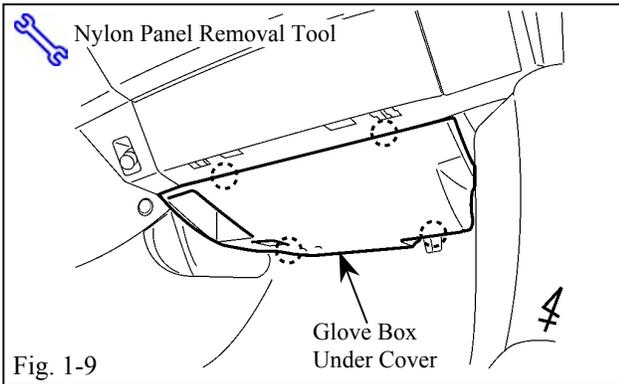
- (f) Remove the lower dash cover. (Fig. 1-6)
- (1) Remove two (2) screws securing the lower dash cover.
- (2) Release the seven (7) panel clips.



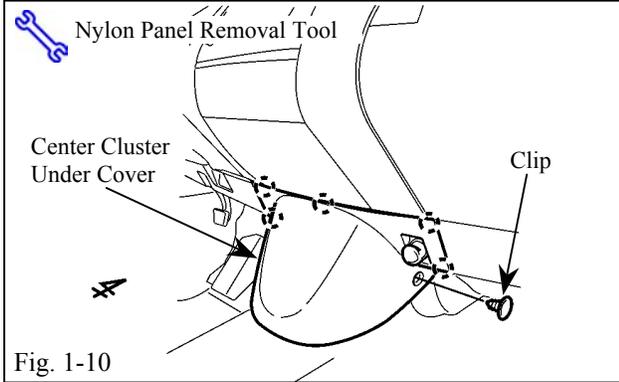
- (g) Remove the hood release cable from the hood release latch. (Fig. 1-7)
- (1) Remove the connectors.



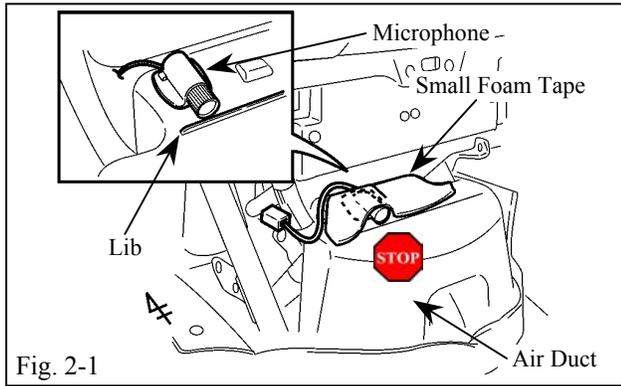
(h) Be careful with handling the lower dash cover during removal. The insulators in the lower dash cover break easily. (Fig. 1-8)



(i) Remove the glove box under cover. (Fig. 1-9)



(j) Remove the center cluster under cover. (Fig. 1-10)



## 2. Microphone Installation.

- (a) Using the 3M™ Prep Solvent clean the microphone installation area. (Fig. 2-1)
  - (1) Always use a clean (lint free scratch resistant) soft cloth (or wipe), and clean a small area at a time (~ 3 ft. x 3 ft. max.).
  - (2) Shake well.
  - (3) Apply 3M™ Prep Solvent-70 to cloth or wipe. Do not spray cleaning solution directly on any vehicle surfaces.
  - (4) Clean surface thoroughly and wipe dry immediately with a new clean cloth. Do not allow cleaner to air dry.
- (b) Remove the backing sheet and secure the microphone onto the air duct. (Fig. 2-1)



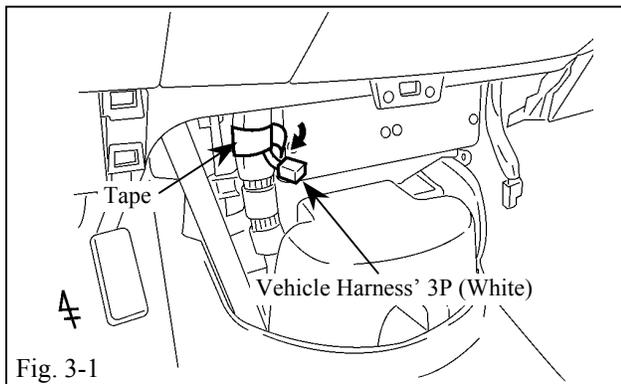
- (1) Do not touch the adhesive surface of the microphone.



- (2) Do not cover the opening of the microphone with the foam tape.
- (3) Press the microphone to the air duct firmly.

## 3. V5 Harness Installation.

- (a) Locate the vehicle harness' white 3P connector from the driver's side bottom of the center cluster area. Remove the tape from the connector. (Fig. 3-1)



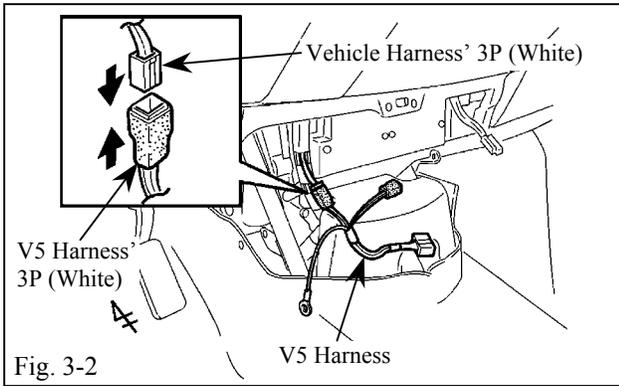


Fig. 3-2

(b) Plug in the V5 harness' white 3P connector to the vehicle harness' white 3P connector (Fig. 3-2)

(1) Verify the connectors are plugged in securely.

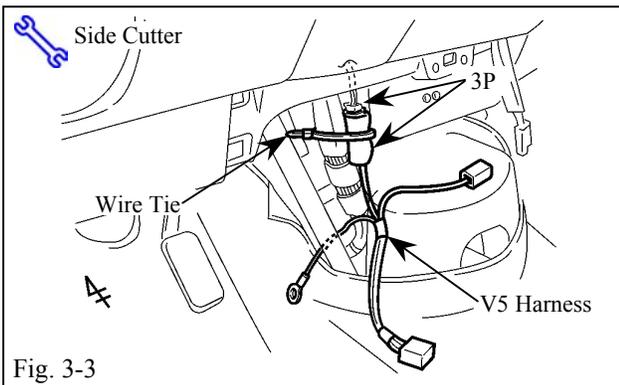


Fig. 3-3

(c) Secure the 3P connector to the vehicle harness with one wire tie. (Fig. 3-3)

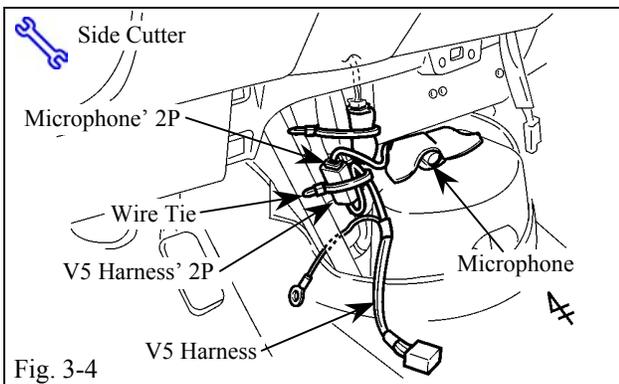
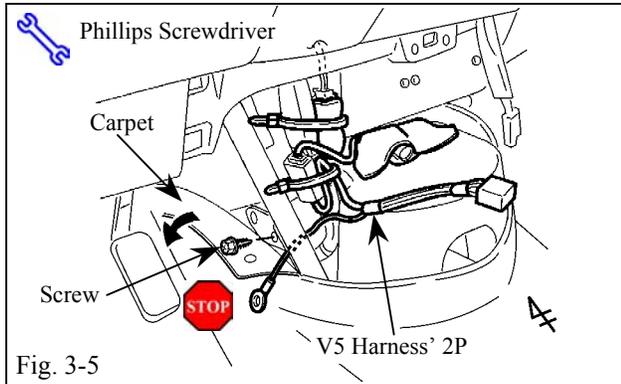


Fig. 3-4

(d) Plug in the V5 harness' white 2P connector to the microphone's white 2P connector. (Fig. 3-4)

(1) Verify the connectors are plugged in securely.

(e) Secure the 2P connector to the vehicle harness with one wire tie. (Fig. 3-4)



- (f) Turn over the carpet in the driver's side as shown, then locate and remove the vehicle's ground screw from the driver side metal brace. (Fig. 3-5)

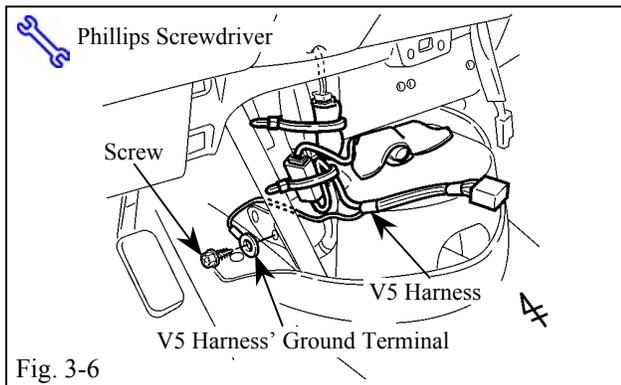


- (1) Do not discard the screw.

- (g) Secure the V5 harness' ground wire terminal, using the existing screw. (Fig. 3-6)

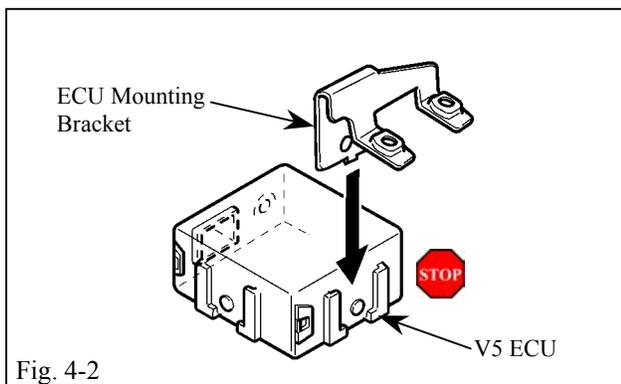
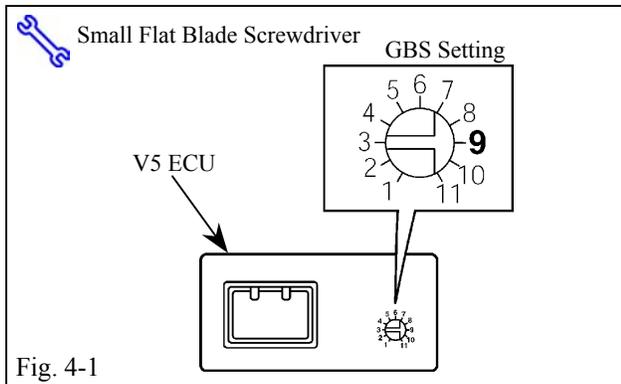


- (1) Verify the screw is tightened securely.



**4. V5 ECU Preparation and Installation.**

- (a) Turn the adjustment screw on the V5 ECU to the "9" position. (Fig. 4-1)

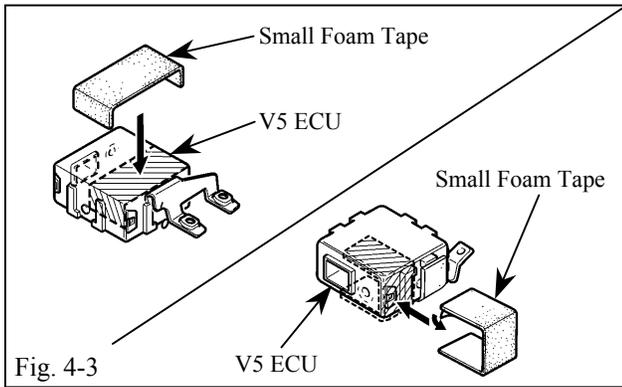


- (b) Insert the ECU mounting bracket into the indicated bracket slot on the V5 ECU. (Fig. 4-2)

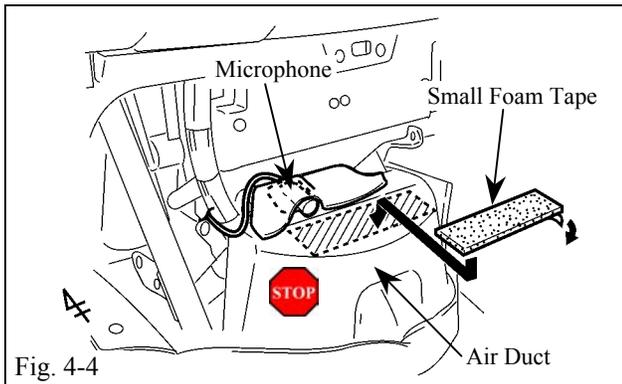


- (1) Insert the mounting bracket into the correct slot; you have only one chance to install it properly.

- (2) Ensure the bracket is firmly attached to the ECU.



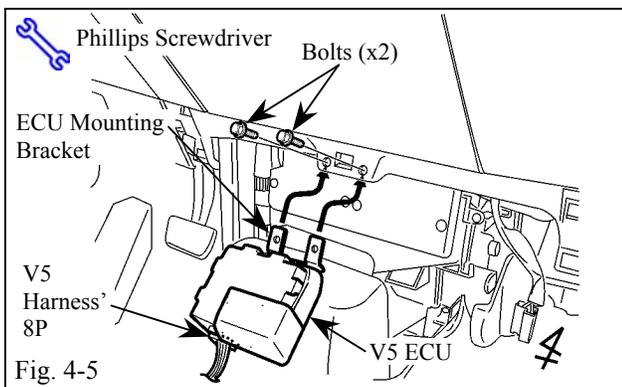
- (c) Apply two small foam tapes to the V5 ECU as shown. (Fig. 4-3)



- (d) Attach the small foam tape onto the air duct as shown. (Fig. 4-4)



- (1) Do not cover the opening of the microphone with the foam tape.



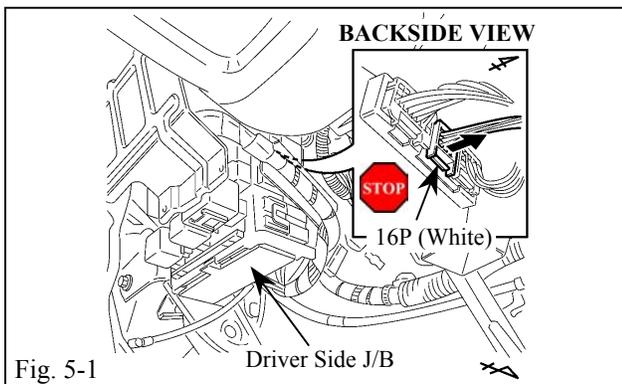
- (e) Plug in the V5 harness white 8P connector to the V5 ECU. (Fig. 4-5)

- (1) Verify the connector is plugged in securely.

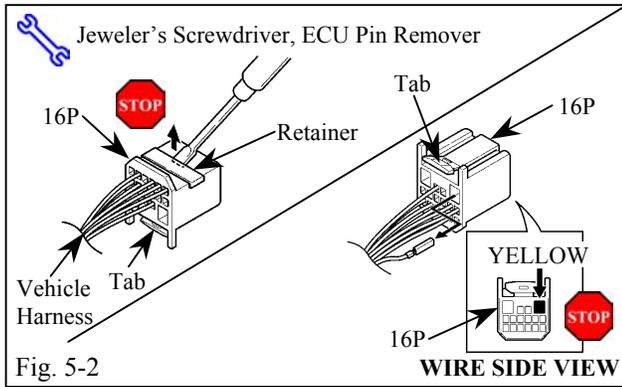
- (f) Using two bolts secure the V5 ECU to the center cluster area as shown. (Fig. 4-5)

- (1) Verify the screw and bolt are tightened and secured.

## 5. V5 Harness Installation (continued).



- (a) Locate and disconnect the white 16P connector from the backside of the driver side J/B in the upper right-hand corner. (Fig. 5-1)



- (b) Using a small jeweler's screwdriver, lift up the terminal retainer on the 16P connector. (Fig. 5-2)



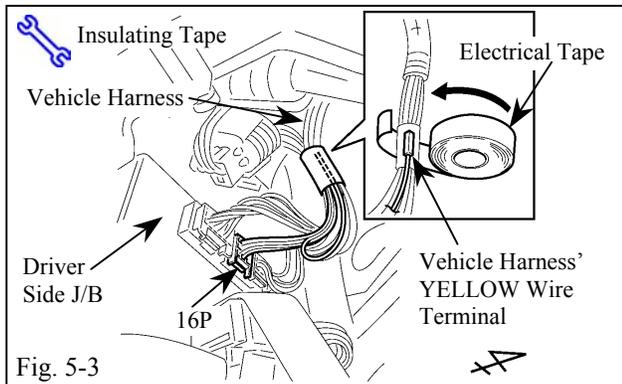
- (1) Do not pull out the retainer.

- (c) Locate the YELLOW wire in the top row, four spaces from the left. Using the ECU pin remover tool, release and pull out the terminal for the vehicle harness' YELLOW wire, then close the retainer. (Fig. 5-2)

- (1) Turn the connector so the wires face you and the tab is on top.

- (2) Verify the correct wire is chosen.

- (d) Reconnect the 16P connector, then using the electrical tape, secure the terminal of the vehicle harness' YELLOW wire to the vehicle harness. (Fig. 5-3)



## 6. Warning Label Installation.

- (a) Using Household Windex, clean the inside surface of the front door windows.

- (Fig. 6-1)

- (b) Place the warning label on the inside surface of the front door's windows as shown.

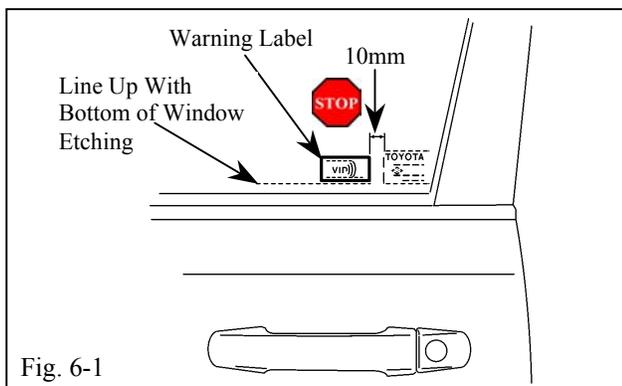
- (Fig. 6-1)

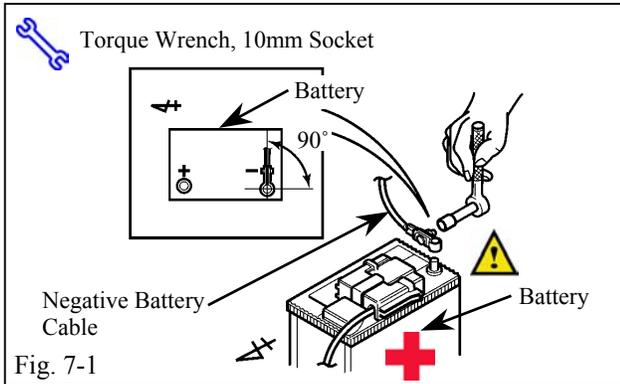
- (1) Use a piece of clean adhesive tape to lift the labels off their protective backing sheet.



- (2) Do not touch the adhesive surface of the warning labels.

- (3) Line up the labels properly and place on the glass once; do not use a label that was pulled off of the glass.





## 7. Completing the Installation.

- (a) Complete the reassembly of the vehicle.
  - (1) Reconnect any disconnected connectors.
  - (2) Verify the panels fit together properly with no uneven gaps between them.
- (b) Clean up and remove any trash.
- (c) Reconnect the vehicle's negative battery cable. (Fig. 7-1)
  - (1) Position the negative terminal at an angle of 90° to the battery as shown.
  - (2) Tighten the nut to 6.0 N·m (53 lbf·in).
  - (3) Do not touch the positive terminal with any tool when replacing the cable.
- (d) Reset the power windows.
  - (1) Turn the Start/Stop push button switch to "ON".
  - (2) Press the power window buttons of each door to lower the windows halfway.
  - (3) Press the buttons until the windows close and hold switches up for one (1) additional second.
- (e) Reset the power moon roof.
  - (1) Press and hold the moon roof button until the moon roof is closed. Hold for two (2) additional seconds.
- (f) Place the owner's manual and warranty card, left in their protective bags, in the glove box.

**8. GBS Setting Procedure.**



**NOTE:** Check for the latest version of the software on Toyota Information System (TIS) before setting up the security system.



**NOTE:** Ensure the software is the latest version. (Production Version 13.1 (09/16/05) or later.)



**NOTE:** Download the latest software from Toyota Information System (TIS).

- (a) Connect the scan tool connector to the vehicle's diagnostic connector in the lower dash area. (Fig. 8-1)
- (b) Insert the remote key or smart key (as appropriate) into the key slot. Press the power button once to select "ACC" position.
  - (1) Verify the shift position is in "N" position and LED on "P" switch is illuminated.

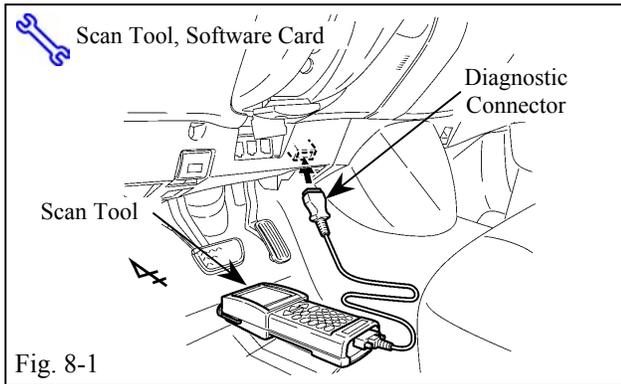


Fig. 8-1

- (c) Push the scan tool main switch "ON" and then press the "ENTER" key. (Fig. 8-2)

"SELECT VEHICLE" PROCESS

- (d) Select the correct vehicle application, "Prius MY2006".

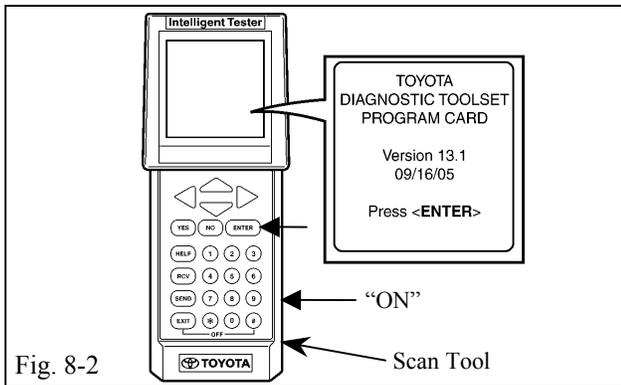


Fig. 8-2

"SECURITY FUNCTION ON" PROCESS

- (e) Verify the connection of the DLC3 Cable. Press the "YES" button to continue. (Fig. 8-3)

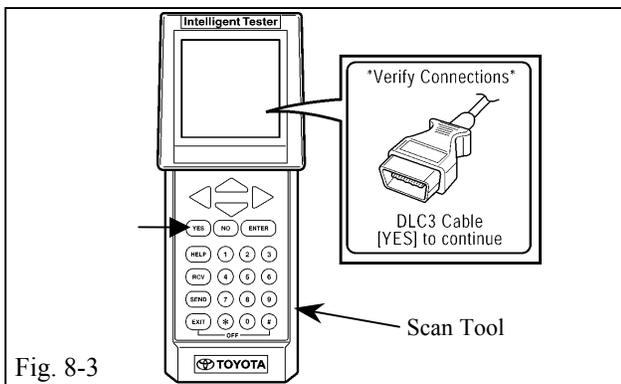


Fig. 8-3

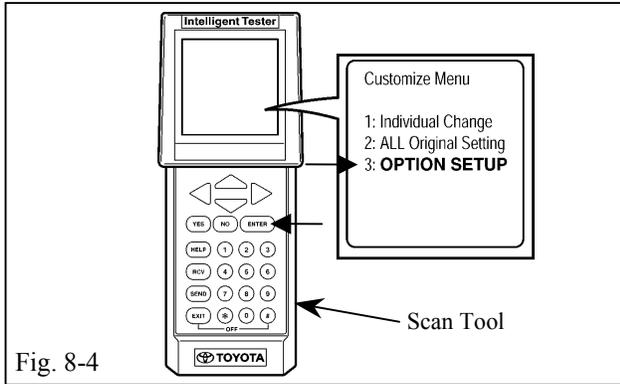


Fig. 8-4

(f) Select "OPTION SETUP" in the customize menu with the scroll key, then press the "ENTER" key. (Fig. 8-4)

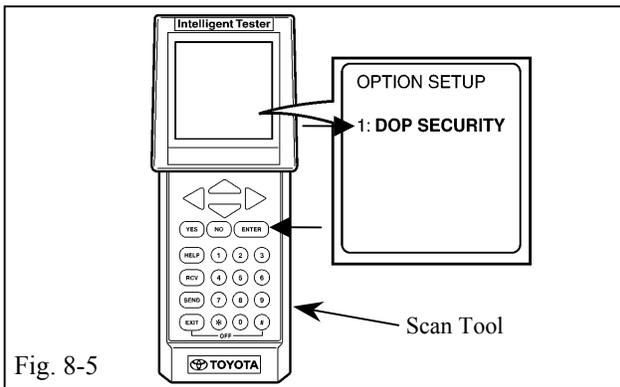


Fig. 8-5

(g) Press the "ENTER" key to select "DOP SECURITY" in the Option Setup menu. (Fig. 8-5)

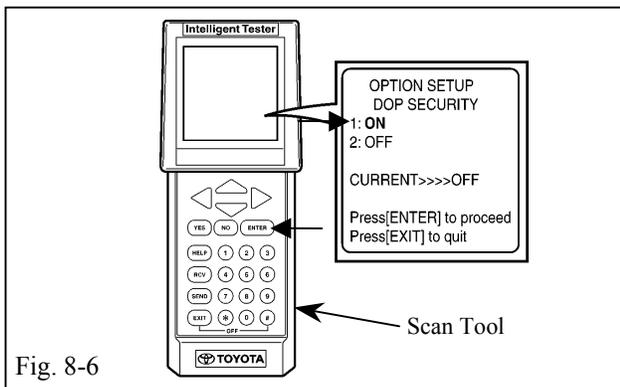


Fig. 8-6

(h) Select "ON" with the scroll key, then press the "ENTER" key. (Fig. 8-6)

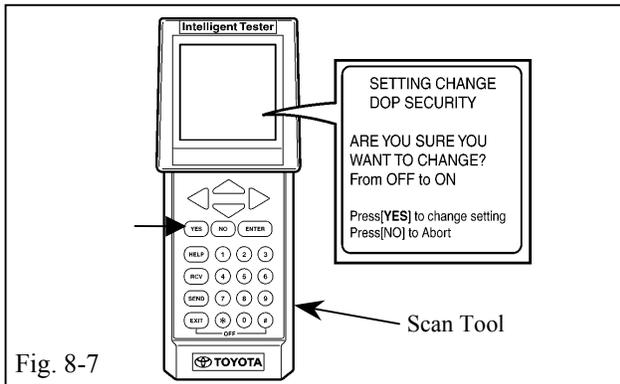
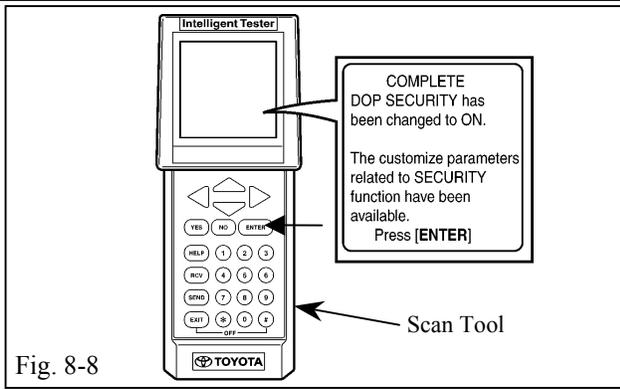


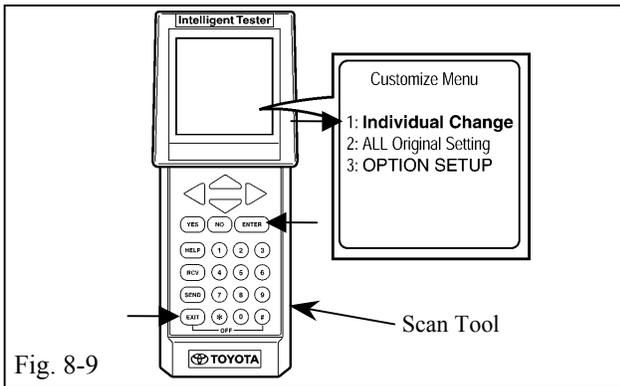
Fig. 8-7

(i) Press the "YES" key. (Fig. 8-7)



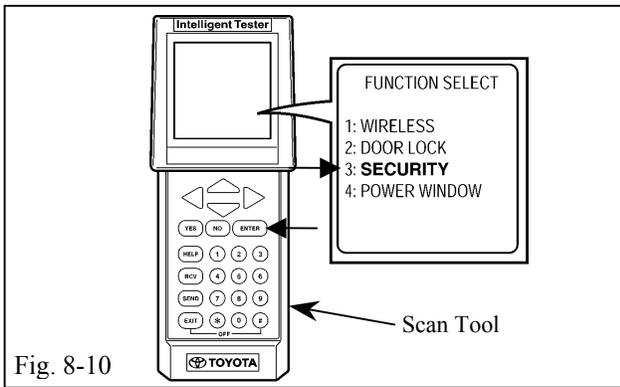
(j) Press the "ENTER" key. (Fig. 8-8)

"GBS ALARM FUNCTION ON" PROCESS

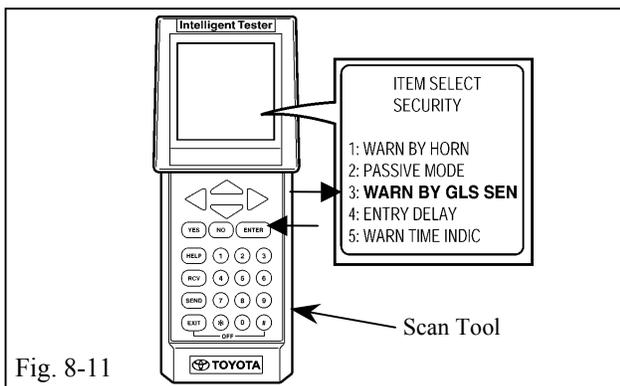


(k) Press the "EXIT" key to return to the Customize menu. (Fig. 8-9)

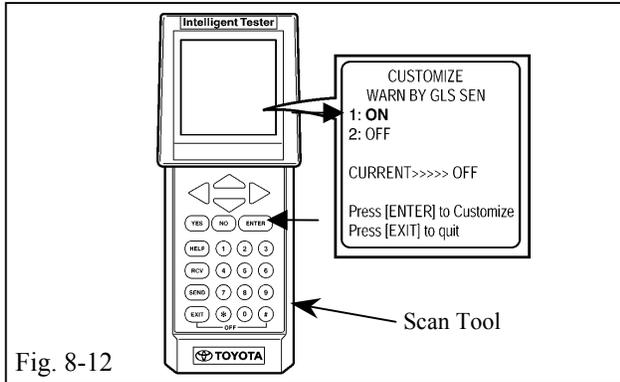
(l) Select "INDIVIDUAL CHANGE" with the scroll key, then press the "ENTER" key. (Fig. 8-9)



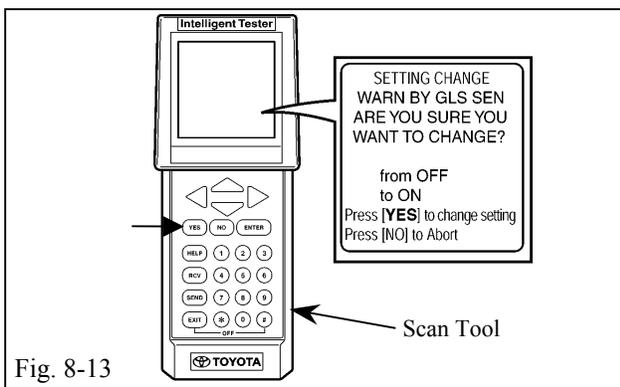
(m) Select "SECURITY" with the scroll key, then press the "ENTER" key. (Fig. 8-10)



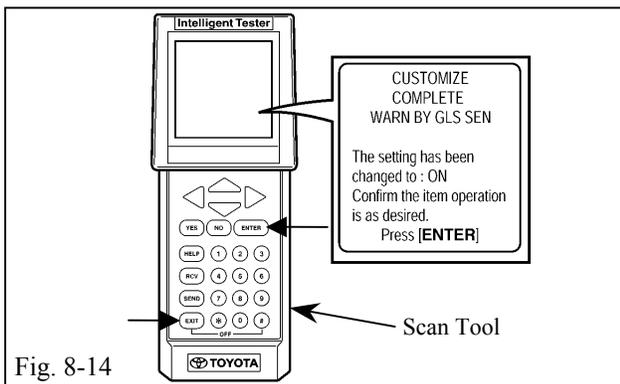
(n) Select "WARN BY GLS SEN" with the scroll key, then press the "ENTER" key. (Fig. 8-11)



(o) Select "ON" with the scroll key, then press the "ENTER" key. (Fig. 8-12)



(p) Press the "YES" key. (Fig. 8-13)



(q) Press the "ENTER" key. (Fig. 8-14)

(r) Press and hold the "ON" button, then press the "EXIT" button to turn off the scan tool.

(1) Disconnect the scan tool from the vehicle's diagnostic connector.

Check:

Look For:

Accessory Function Checks

**Fit appropriate fuse before beginning.**

For vehicles without smart entry system

- Press and release the remote control's lock button to start the system's arming process.
  
- For vehicles with smart entry system  
Ensure all doors are closed and the smart key is in your possession. Push the lock button on the driver's door handle.
  
- Wait 30 seconds.
  
- Press and release the remote key's unlock button to disarm the system.

**For vehicles without smart entry system**

**Open the driver's door, with your foot off the brake pedal, insert the remote key into the key slot and press the power button twice.**

**For vehicles with smart entry system**

**Enter vehicle with smart key and press the power button twice. Do not insert smart key into key slot.**

**Roll down all the windows, press the power button once to turn off power, remove the remote key (if applicable) and exit the vehicle.**

- 1A. The turn signal lights flash once.  
All doors lock.  
The security LED lights up.
  
- 1B. The turn signal lights flash once.  
All doors lock.  
The security LED lights up.
  
- 2. After 30 seconds, the LED starts flashing; the system is now armed.
  
- 3. The turn signal lights flash twice.  
The driver's door unlocks.  
The LED stops flashing.

Check:

- Arm and disarm the system with the remote or smart key again, then wait 30 seconds.
  
- Reach inside and manually unlock the driver's door to trigger an alarm.
  
- Manually unlock the driver's door again and hold it unlocked, open the door, then sit in the driver's seat.
  
- Insert the remote or smart key into the key slot and press the power button twice to stop the alarm.  
  
**Press the power button once to remove the remote or smart key and then exit the vehicle.**
  
- With the door open, press the lock switch on the door to lock the door, and then close the door to start the system's arming process.
  
- Wait 30 seconds.

Look For:

- 4. The doors automatically relock.  
The system automatically starts the arming process. After 30 seconds, the LED starts flashing; the system is now armed.
  
- 5. The driver's door automatically relocks.  
The horn sounds repeatedly.  
The headlights flash repeatedly.  
The turn signal lights flash repeatedly.  
The LED lights up.
  
- 6. The driver's door lock attempts to lock repeatedly.  
The horn continues to sound repeatedly.  
The headlights and turn signal lights continue flashing.  
The LED remains on.
  
- 7. The horn stops sounding.  
All the lights stop flashing and/ or turn off.  
The LED turns off.
  
- 8. All doors lock.  
The LED lights up.
  
- 9. After 30 seconds, the LED starts flashing; the system is now armed.



Check:



With the tip of a key (or striker tool pulled all the way out [PPO only]), tap the center of the driver's door window to trigger the "warn away" alarm.

For all vehicles, press the unlock button of the remote key to stop the alarm.

Look For:

- 17. The horn sounds repeatedly.  
 The headlights flash repeatedly.  
 The turn signal lights flash repeatedly.  
 The LED lights up.  
**NOTE:** Adjust as necessary by increasing the GBS setting to the next level if the alarm does not trigger during the functional verifications.  
**NOTE:** If you do not disarm the system, the alarm will last 20 seconds. *It is not necessary to check the alarm duration.*
- 18. The horn stops sounding.  
 All the lights stop flashing and / or turn off.  
 The security LED turns off.

Vehicle Function Checks

- Head Lights
- High Beams
- Turn Signal Lights
- Tail Lights
- Stop Lights
- Backup Lights
- Hazard Lights
- Marker Lights
- Dome/Courtesy Lights
- Panel/Switch Illumination

- Functioning Head Lights
- Functioning High Beams
- Functioning Turn Signal Lights
- Functioning Tail Lights
- Functioning Stop Lights
- Functioning Backup Lights
- Functioning Hazard Lights
- Functioning Marker Lights
- Functioning Dome/Courtesy Lights
- Functioning Panel/Switch Illumination

**TOYOTA                      PRIUS                      2006 -                      TVIP V5 (RS3200PLUS)**  
 Checklist - these points **MUST** be checked to ensure a quality installation.

<u>Check:</u>	<u>Look For:</u>
<input type="checkbox"/> Accessory Controls/Illumination (if equipped)	Functioning Accessory
<input type="checkbox"/> Key Sensor Buzzer	Functioning Key Sensor
<input type="checkbox"/> Fog Lights (if equipped)	Functioning Fog Lights
<input type="checkbox"/> Daytime Running Lights (if equipped)	Functioning DR Lights
<input type="checkbox"/> Trunk/Tailgate/Bed Lights (if equipped)	Functioning Lights
<input type="checkbox"/> Glove Box Light (if equipped)	Functioning Glove Box Light
<input type="checkbox"/> Cruise Control Light (if equipped)	Functioning Cruise Control Light
<input type="checkbox"/> Seat Belt Warning Light	Functioning Seatbelt Warning Light. If the warning light remains on, it may indicate a system malfunction.
<input type="checkbox"/> Air Bag Warning Light	Functioning Air Bag Warning Light. If the warning light remains on, it may indicate a system malfunction.
<input type="checkbox"/> ABS Light (if equipped)	Functioning ABS Light. If the warning light remains on, it may indicate a system malfunction.
<input type="checkbox"/> Lamp Failure Sensor (if equipped)	Functioning Lamp Failure Light. If the warning light remains on, it may indicate a system malfunction.
<input type="checkbox"/> Track/Skid Control Light (if equipped)	Functional Track/VSC Light. If the warning light remains on, it may indicate a system malfunction.
<input type="checkbox"/> HVAC Controls	Functioning HVAC Controls
<input type="checkbox"/> Power Locks (if equipped)	Functioning Power Locks
<input type="checkbox"/> Power Windows (if equipped)	Functioning Power Windows
<input type="checkbox"/> Power Seats (if equipped)	Functioning Power Seats

**TOYOTA                      PRIUS                      2006 -                      TVIP V5 (RS3200PLUS)**  
 Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

- Power Sunroof (if equipped)
- Horn
- Gauges
- Front Wiper/Washer
- Rear Wiper/Washer (if equipped)
- Clock (if equipped)
- Accessory Power Socket (if equipped)
- Starter
- Audio/Video (if equipped)
- Power Sliding Door (if equipped)
- Convenience Memory Settings (if equipped)
- Heated Seats (if equipped)
- Massage Seats (if equipped)
- Rear Window Defogger (if equipped)
- Power Side Mirrors (if equipped)
- Side Mirror Defogger (if equipped)
- Front Windshield Defogger (if equipped)
- Navigation System (if equipped)
- Rear Sunshade (if equipped)

**Remove the appropriate fuse after checks are completed.**

Look For:

- Functioning Sunroof
- Functioning Horn
- Functioning Gauges
- Functioning Front Wiper/Washer
- Functioning Rear Wiper/Washer
- Functioning Clock
- Functioning Power Socket
- Functioning Starter
- Functioning Audio/Video
- Functioning Power Sliding Door
- Functioning Memory Settings
- Functioning Heated Seats
- Functioning Massage Seats
- Functioning Rear Window Defogger
- Functioning Power Side Mirrors
- Functioning Side Mirror Defogger
- Functioning Front Windshield Defogger
- Functioning Navigation System
- Functioning Rear Sunshade