

**Part Number: PT398-21070**

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

**Kit Contents**

Item #	Quantity Reqd.	Description
1	1	V5 Harness
2	1	GBS ECU

Special Chemicals	Notes
Glass Cleaner	Household Windex

**Hardware Bag Contents**

Item #	Quantity Reqd.	Description
1	1	V5 Security ECU
2	1	ECU Mounting Bracket (For V5 ECU and GBS ECU)
3	1	Status Monitor
4	2	Bolts
5	1	Foam Tape Strip (1pcs)
6	40	Wire Ties
7	2	Splicing Connector
8	2	Warning Labels
9	1	Owner's Manual
10	1	Warranty Card

**General Applicability**

Note: tC with factory keyless entry system, only.

**Recommended Sequence of Application**

Item #	Accessory
1	Security
2	Satellite Receiver
3	Audio
4	EC Mirror

\*Mandatory

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

Item #	Quantity Reqd.	Description
1		
2		
3		

**Additional Items Required For Installation**

Item #	Quantity Reqd.	Description





**Conflicts**

Note: Do not install in vehicles with factory security

**Recommended Tools**

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Striker Tool (PPO only)	CAD-E IADS P/N ALL 02-016-01
Wiring Terminal Tool (PPO only)	CAD-E IADS P/N ALL 02-016-03
Installation Tools	Notes
Screwdriver	Phillips Head, #2
Wrench	10 mm
Socket	10 mm
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST #00002-06001-01
Side Cutter	
Screwdriver	Flat Blade, Small
Screwdriver	Jeweler's
Torque Wrench	4.1N·m (36lb·in)
Pliers	
Pick Tool	

**Legend**

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CAUTION:</b> A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle.
	<b>TOOLS &amp; EQUIPMENT:</b> 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.

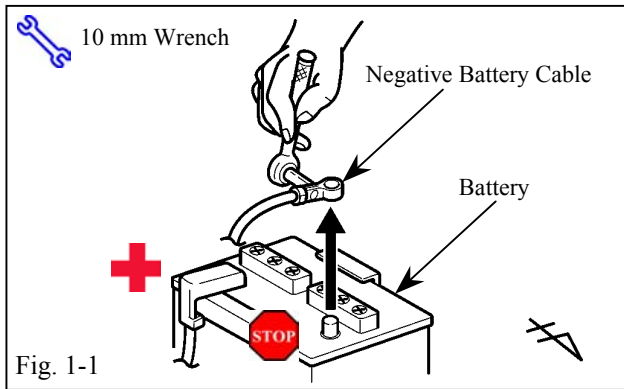


Fig. 1-1



(a) Take note of the battery cable installation position, as this will need to be re-installed in the same position after installation completion.

(b) Remove the negative battery cable. (Fig. 1-1)

(1) For vehicles equipped with automatic transmission, place the shifter in the N (neutral) position and set the parking brake prior to disconnecting the battery.

(2) Do not touch the positive terminal with any tool when removing cable.

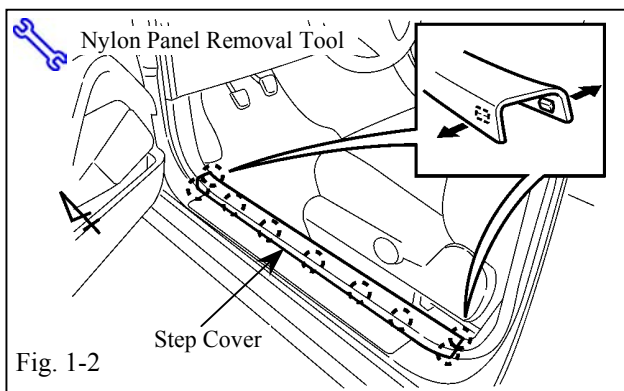


Fig. 1-2



(c) Remove the driver's step cover. (Fig. 1-2)

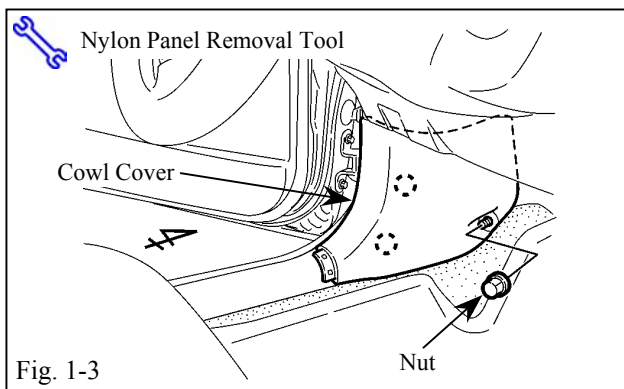
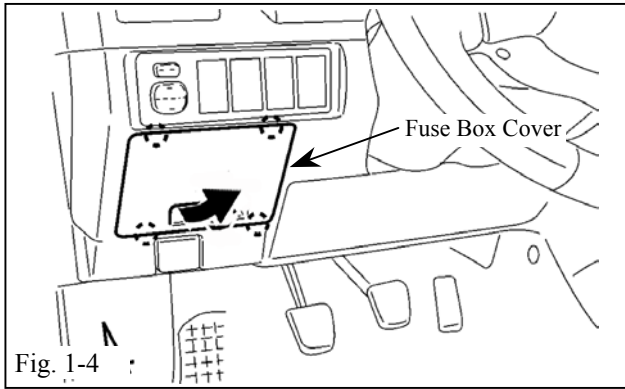


Fig. 1-3

(d) Remove the driver's cowl cover. (Fig. 1-3)

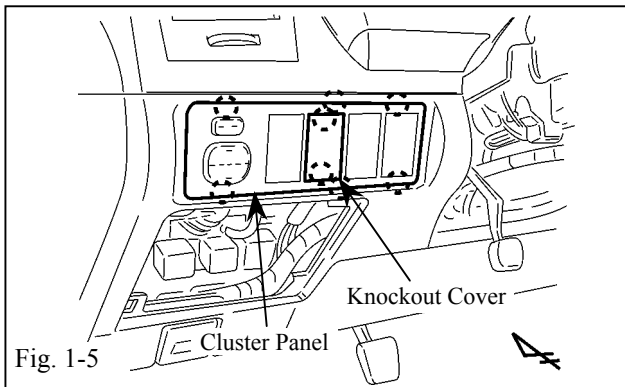
(1) Remove the one nut securing the cowl cover.



(e) Remove the fuse box cover. (Fig. 1-4)



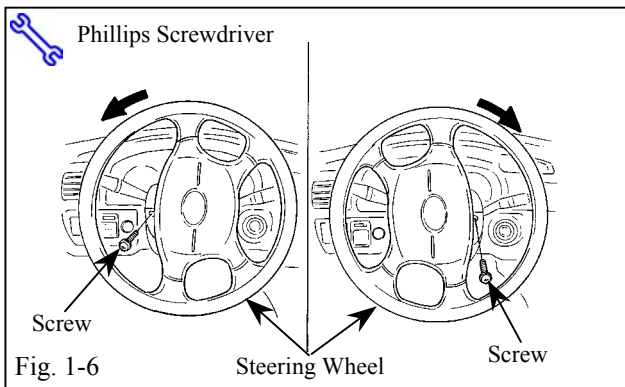
(1) Take care not to damage the two upper tabs.



(f) Remove the cluster panel. (Fig. 1-5)

(1) Reach through the fuse box opening, then push out the cluster panel from the backside.

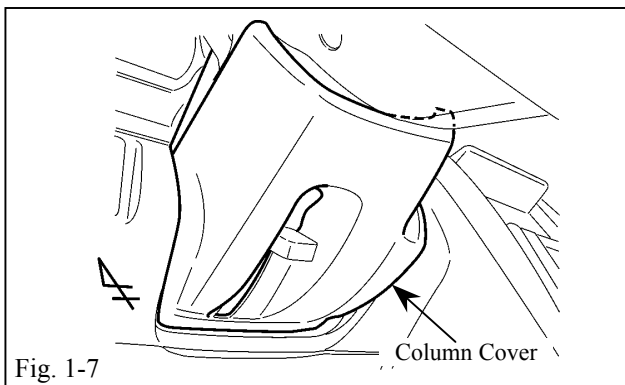
(g) Remove the knockout cover in the cluster panel, third space from the right. (Fig. 1-5)



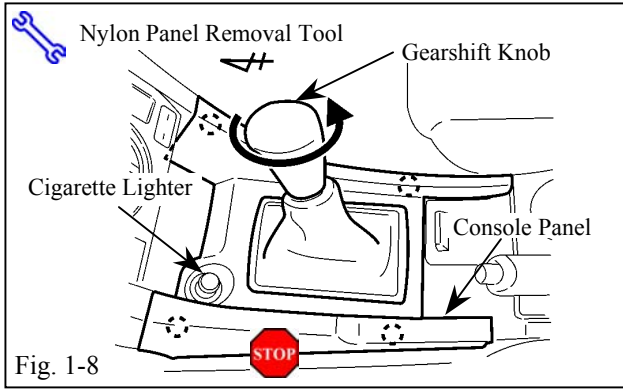
(h) Remove two screws securing the lower steering column cover behind the steering wheel. (Fig. 1-6)

(1) Insert the key into the ignition switch and turn it to ON to unlock the steering wheel.

(2) Turn the steering wheel left and right to gain access to the screws.

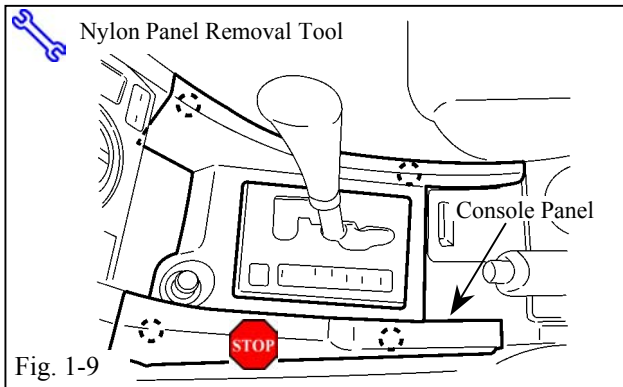


(i) Remove the lower steering column cover. (Fig. 1-7)



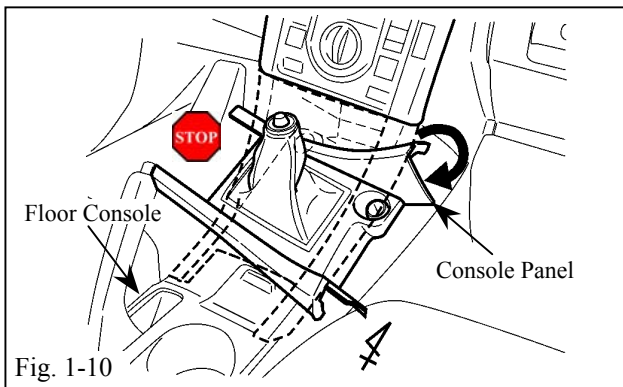
FOR MANUAL TRANSMISSION MODELS ONLY.  
(Step j)

- (j) Remove the gearshift knob, then loosen the console panel. (Fig. 1-8)
- (1) Do not remove the clip securing the cigarette lighter harness.

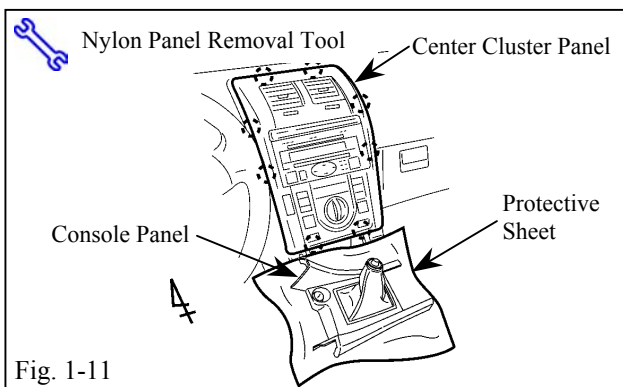


FOR AUTOMATIC TRANSMISSION MODELS ONLY. (Step k)

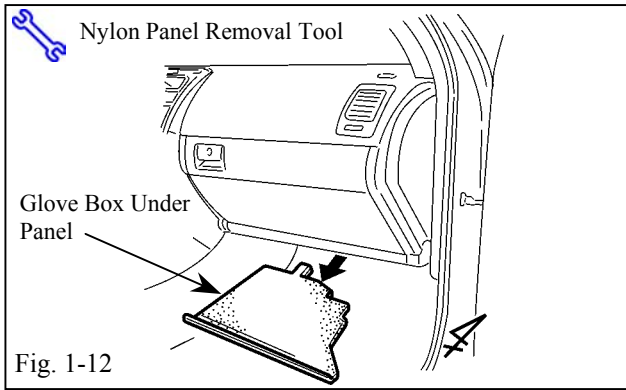
- (k) Loosen the console panel. (Fig. 1-9)
- (1) Do not remove the clip securing the cigarette lighter harness.



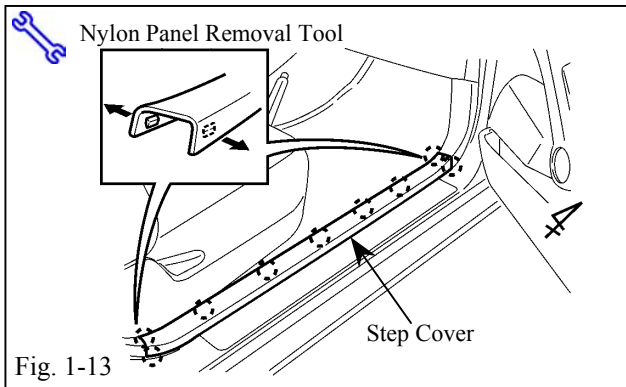
- (l) Lightly lift up the console panel, and then turn the console panel clockwise as shown. (Fig. 1-10)
- (1) Cover the floor console with blanket (protective sheet). (Fig. 1-11)



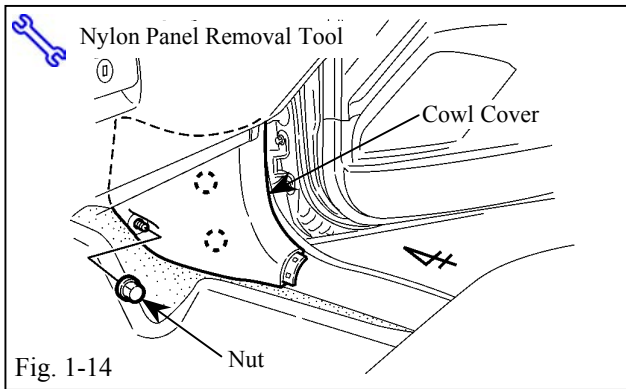
- (m) Remove the center cluster panel. (Fig. 1-11)
- (1) Disconnect one (1) connector.



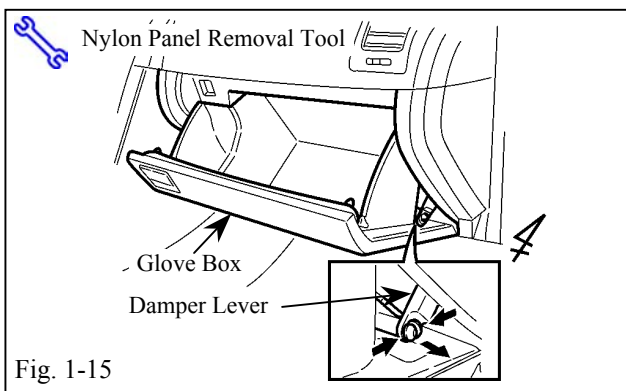
- (n) Remove the glove box under panel.  
(Fig. 1-12)



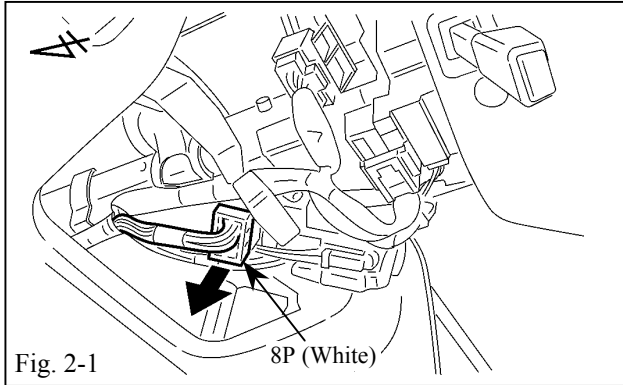
- (o) Remove the passenger's step cover.  
(Fig. 1-13)



- (p) Remove the passenger's cowl cover.  
(Fig. 1-14)
- (1) Remove the one nut securing the cowl cover.

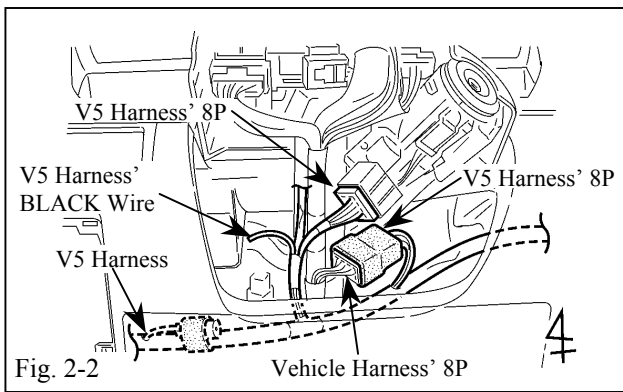


- (q) Remove the glove box assembly. (Fig. 1-15)
- (1) Release the damper lever.

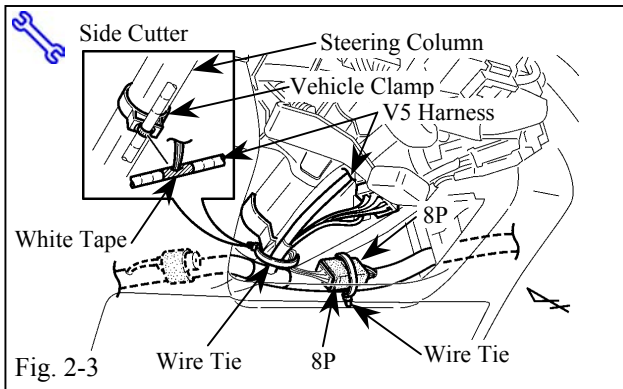


**2. V5 Wire Harness Installation.  
(Steering Column Area)**

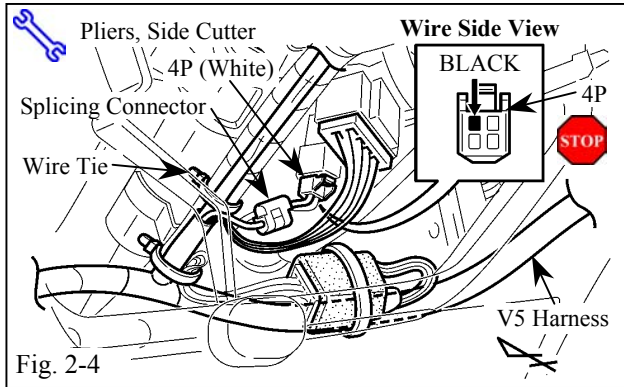
- (a) Locate and disconnect the white 8P connector from the ignition switch area. (Fig. 2-1)



- (b) Plug in the V5 harness' white 8P connectors between the vehicle harness' 8P connector and the ignition switch. (Fig. 2-2)
  - (1) Verify the connectors are plugged in securely.

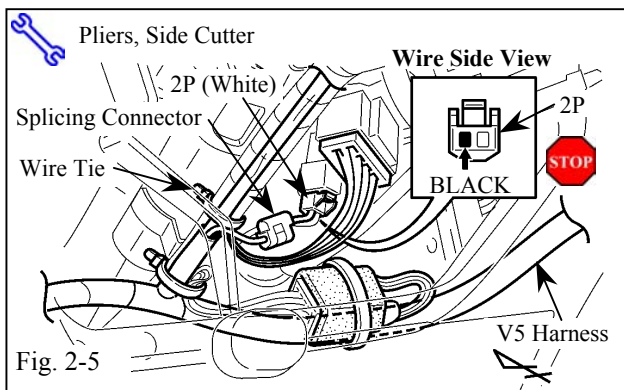


- (c) Secure the V5 harness to the vehicle harness with one wire tie. (Fig. 2-3)
  - (1) Ensure the wire tie is secured at the vehicle clamp where the harnesses meet.
- (d) Secure the 8P connectors (vehicle and V5 harness) to the V5 harness with one large wire tie on the right side of the steering column. (Fig. 2-3)



FOR AUTOMATIC TRANSMISSION MODELS ONLY. (Steps e – f)

- (e) In the ignition switch area, locate the white 4P connector's BLACK wire (top row, first space from the left). Attach the V5 harness' BLACK wire with a splicing connector. (Fig. 2-4)
  - (1) Turn the connector so the wires face you and the tab is on top.
  - (2) Verify the correct wire is chosen for splicing.
  - (3) Verify the splicing connector is applied properly.
- (f) Route the V5 harness upward along the steering column, then secure it to the vehicle harness with one wire tie. (Fig. 2-4)

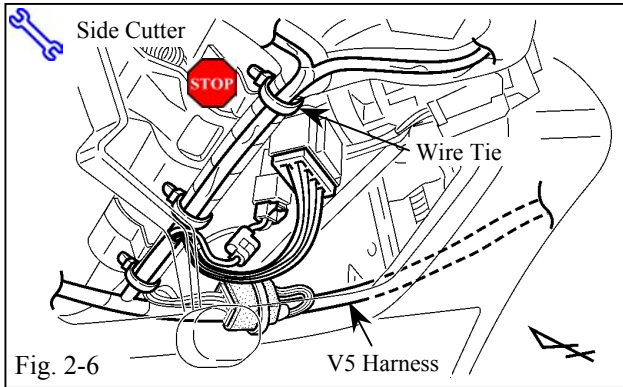


FOR MANUAL TRANSMISSION MODELS ONLY. (Steps g –h)

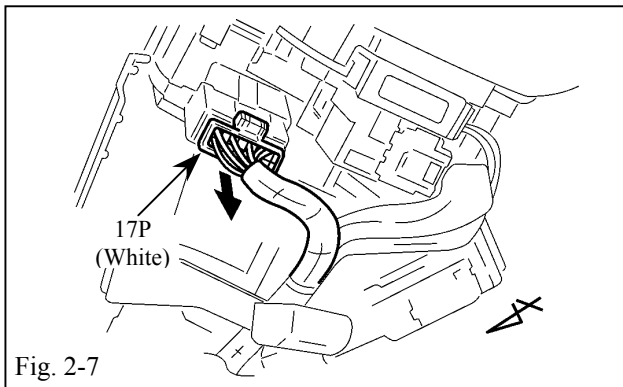
- (g) Locate in the ignition switch area the white 2P connector's BLACK wire in the first space from the left, and attach the V5 harness' BLACK wire with a splicing connector. (Fig. 2-5)
  - (1) Turn the connector so the wires face you and the tab is on top.
  - (2) Verify the correct wire is chosen for splicing.
  - (3) Verify the splicing connector is applied properly.
- (h) Route the V5 harness upward along the steering column, then secure it to the vehicle harness with one wire tie. (Fig. 2-5)



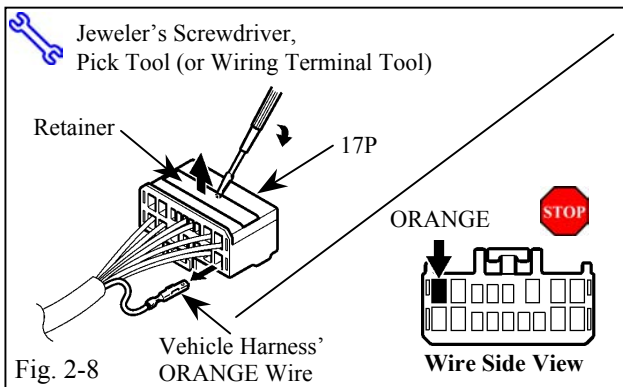




- (i) Loosely secure the V5 harness to the vehicle harness with one wire tie below the steering column. (Fig. 2-6)

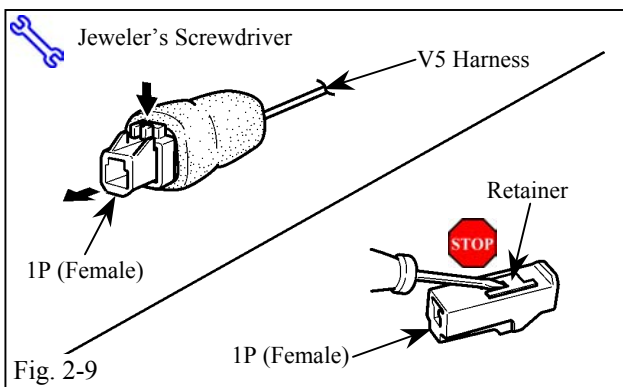


- (j) Locate and disconnect the white 17P connector from the steering column area. (Fig. 2-7)



- (k) Use a small jeweler's screwdriver to lift up the terminal retainer on the back of the 17P connector. (Fig. 2-8)
- (l) Locate the ORANGE wire in the top row, first space from the left. Using a pick (or wiring terminal tool (PPO)), release and pull out the terminal for the ORANGE wire. (Fig. 2-8)

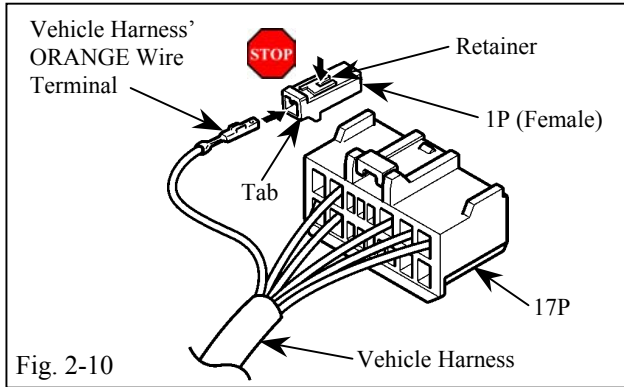
- (1) Turn the connector so the wires face you and the tab is on top.
- (2) Verify the correct wire is chosen.



- (m) Disconnect the empty 1P female connector plugged into the V5 harness. Using a small jeweler's screwdriver, lift up the terminal retainer on the back of the empty connector. (Fig. 2-9)

- (1) Do not pull out the retainer.

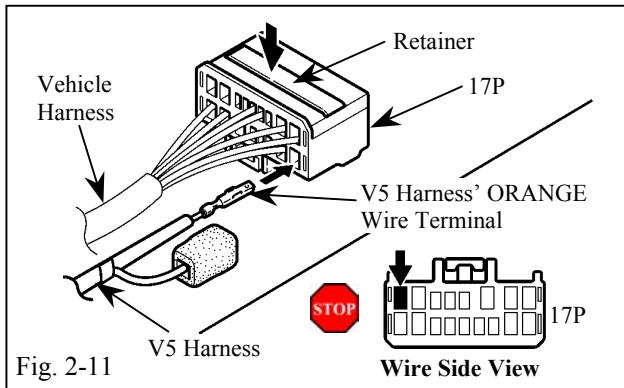




(n) Insert the terminal at the end of the vehicle harness' ORANGE wire into the opening of the empty 1P connector, then close the retainer. (Fig. 2-10)



(1) The terminal should not come out when pulled lightly from the back. If it does, push it in again.



(o) Insert the terminal at the end of the V5 harness' ORANGE wire into the top row, first space from the left of the vehicle harness' 17P connector, then close the retainer. (Fig. 2-11)



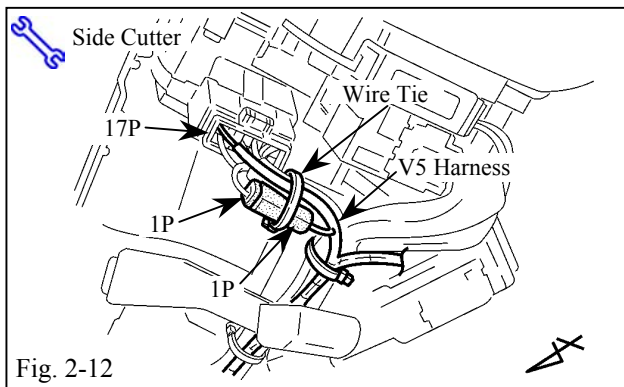
(1) Turn the connector so the wires face you and the tab is on top.

(2) Verify the correct wire is chosen.

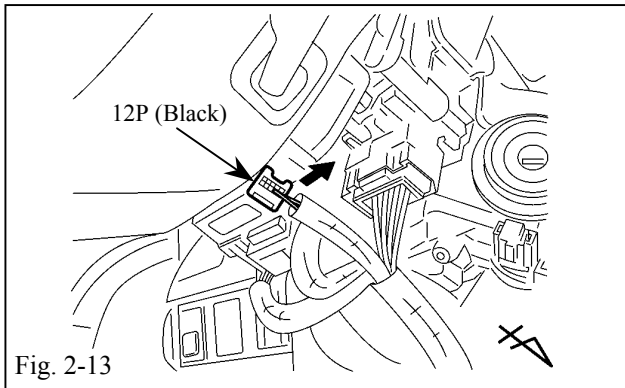


(3) Verify the terminal is inserted and seated properly.

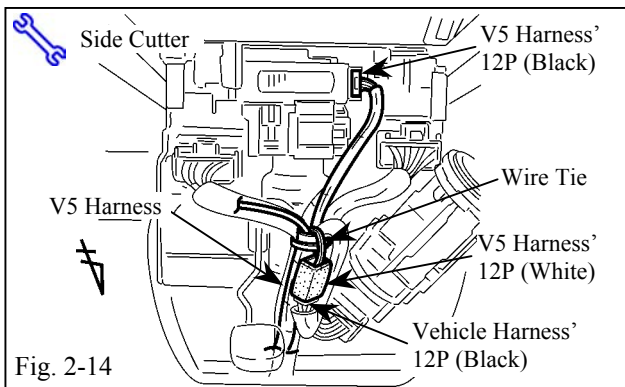
(4) The terminal should not come out when pulled lightly from the back. If it does, push it in again, until securely seated.



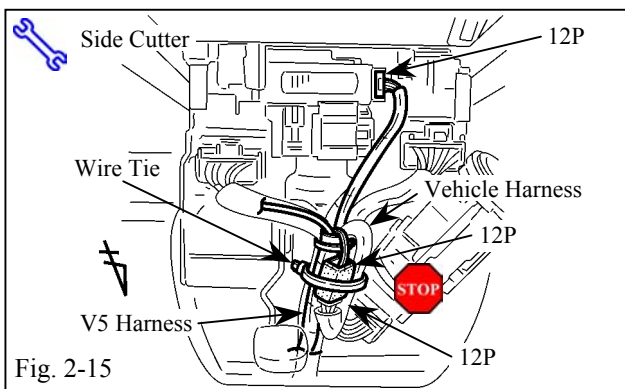
(p) Plug in the 1P connectors, and then reconnect the 17P connector. Secure the 1P connectors and the V5 harness to the vehicle harness with one wire tie. (Fig. 2-12)



- (q) Locate and disconnect the black 12P connector from the steering column area. (Fig. 2-13)

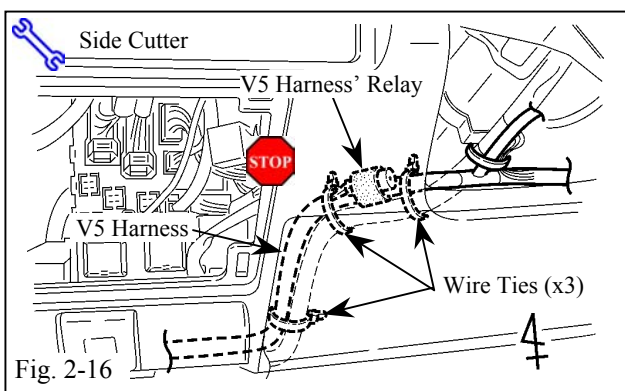


- (r) Plug in the V5 harness' black 12P connectors between the vehicle harness' black 12P connector and the steering column area. Secure the wire tie previously installed below the steering column. (Fig. 2-14)



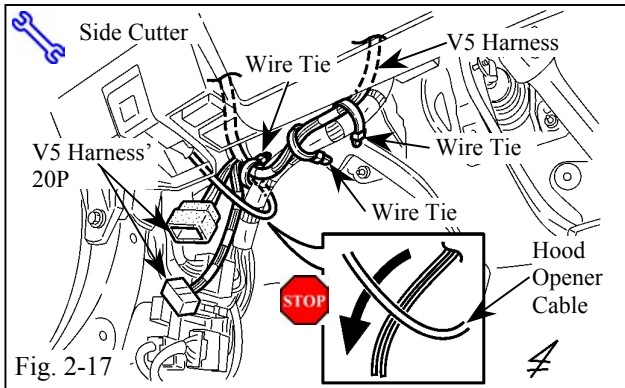
- (s) Secure the 12P connectors to the V5 harness with one wire tie. (Fig. 2-15)

- (1) Arrange the V5 harness' 12P connectors on the right side of the V5 harness as shown.
- (2) Ensure the connectors do not interfere with the steering column adjustment lever.



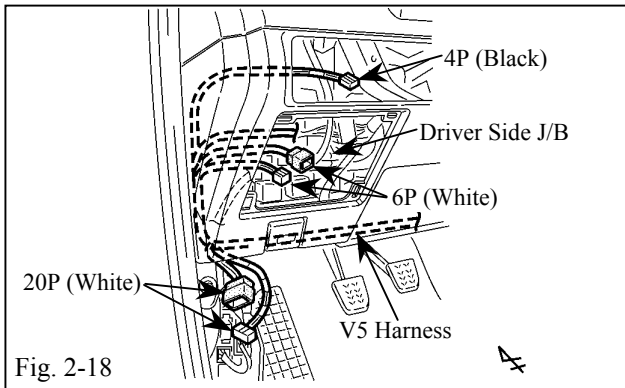
- (t) Route the V5 harness toward the bottom of the driver side J/B, then secure it to the vehicle harness with three wire ties. (Fig. 2-16)

- (1) Route the V5 harness away from any moving parts such as levers.

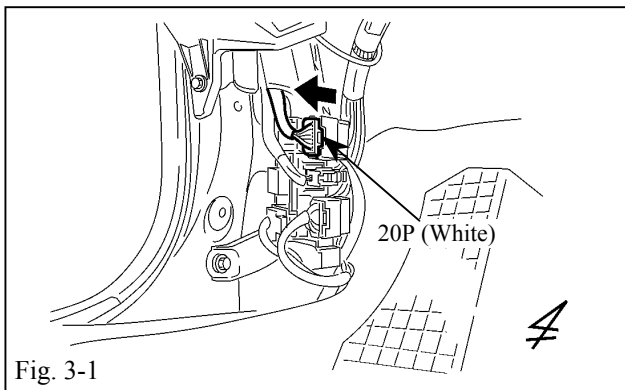


(u) Route the V5 harness toward the driver side cowl area, then secure it to the vehicle harness with three wire ties in the bottom of the driver side J/B. (Fig. 2-17)

(1) Route the V5 harness between the dashboard and the hood release cable.

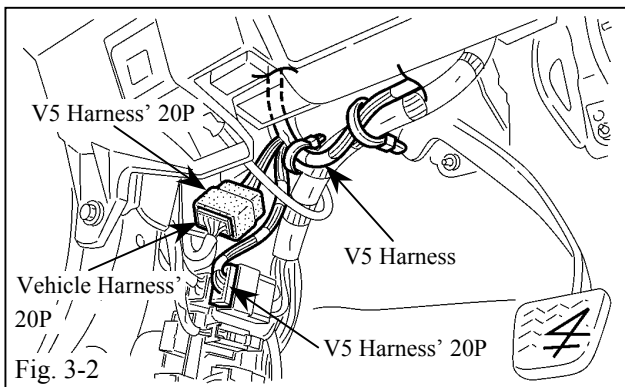


(v) Route the V5 harness to the driver side J/B area as shown. (Fig. 2-18)



**3. V5 Wire Harness Installation.  
(Driver Side Cowl Area)**

(a) Locate and disconnect the white 20P connector from the driver side cowl area. (Fig. 3-1)



(b) Plug in the V5 harness' white 20P connectors between the vehicle harness' 20P connector and the driver side cowl area. (Fig. 3-2)

(1) Verify the connectors are plugged in securely.

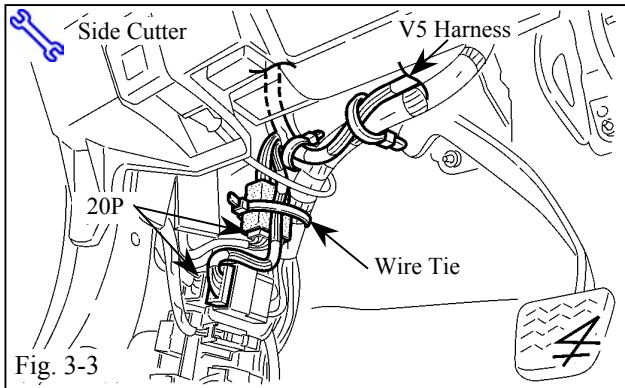


Fig. 3-3

- (c) Secure the 20P connectors and the V5 harness to the vehicle harness with one wire tie. (Fig. 3-3)

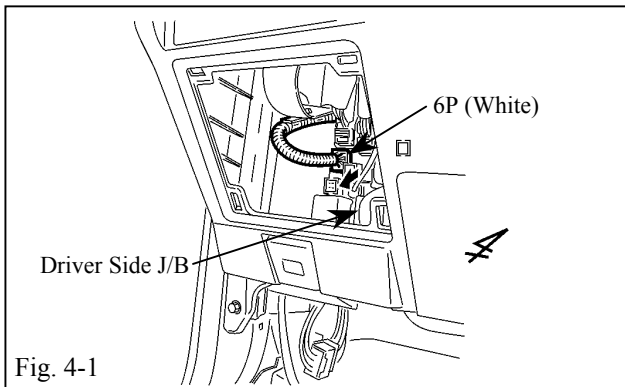


Fig. 4-1

#### 4. V5 Wire Harness Installation. (Driver side J/B area)

- (a) From the fuse box opening, locate and disconnect the white 6P connector from the left side of the driver side J/B. (Fig. 4-1)

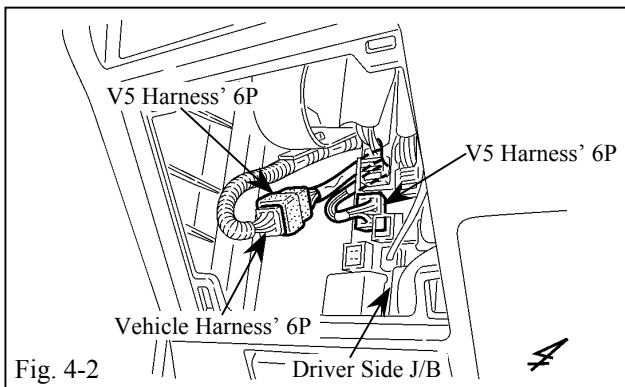


Fig. 4-2

- (b) Plug in the V5 harness' white 6P connectors between the vehicle harness' 6P connector and the driver side J/B. (Fig. 4-2)

- (1) Verify the connectors are plugged in securely.

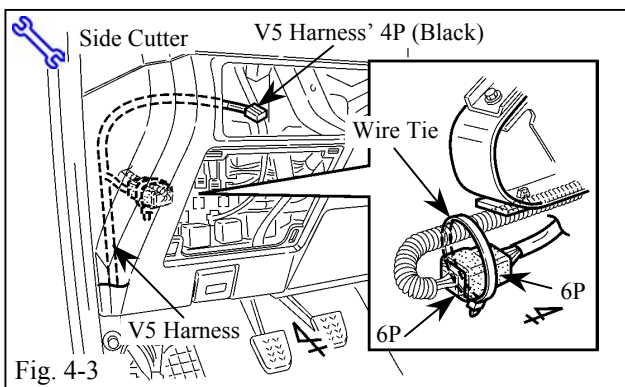


Fig. 4-3

- (c) Secure the 6P connectors to the vehicle harness with one wire tie, near the vehicle harness' clamp. (Fig. 4-3)

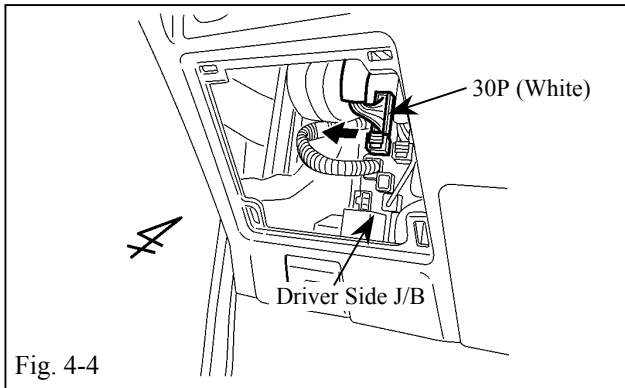


Fig. 4-4

(d) From the fuse box opening, locate and unlock the white 30P connector from the upper left side of the driver side J/B, then disconnect it. (Fig. 4-4)

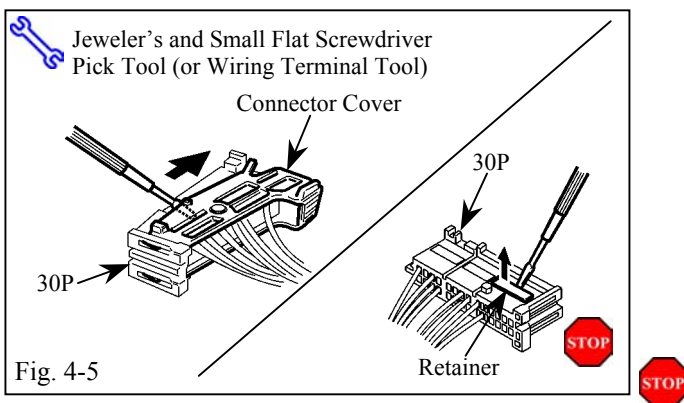


Fig. 4-5

(e) Using a small flat screwdriver, lift up and slide the 30P connector's black lock cover to remove it. (Fig. 4-5)

(f) Using a small jeweler's screwdriver or pick tool, lift the long terminal retainer on the 30P connector. (Fig. 4-5)

(1) Do not pull out the retainer.

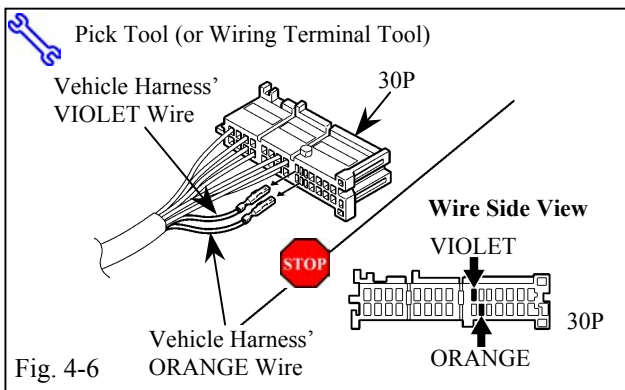
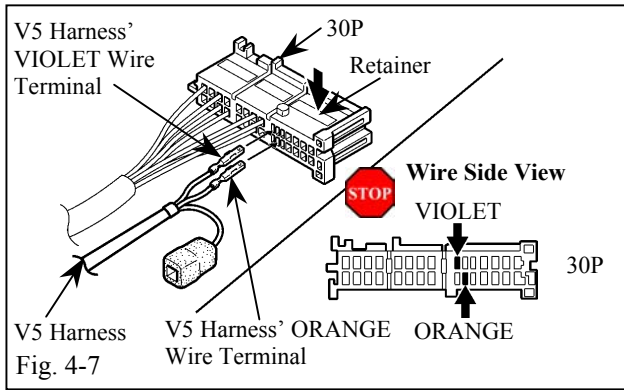


Fig. 4-6

(g) Locate the VIOLET wire in the top row, nine spaces from the left. Using a pick (or wiring terminal tool (PPO)), release and pull out the terminal for the VIOLET wire. (Fig. 4-6)

(h) Locate the ORANGE wire in the bottom row, ten spaces from the left. Using a pick (or wiring terminal tool (PPO)), release and pull out the terminal for the ORANGE wire. (Fig. 4-6)



- (i) Insert the terminal at the end of the V5 harness' VIOLET wire into the top row, nine spaces from the left of the vehicle's harness 30P connector. (Fig. 4-7)
- (j) Insert the terminal at the end of the V5 harness' ORANGE wire into the bottom row, ten spaces from the left of the vehicle harness 30P connector. (Fig. 4-7)



(1) Verify the correct wire is chosen.

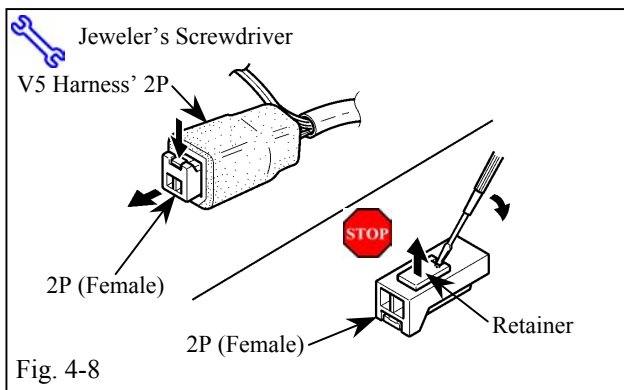


(2) Verify the terminal is inserted and seated properly.



(3) The terminal should not come out when pulled lightly from the back. If it does, push it in again until securely seated.

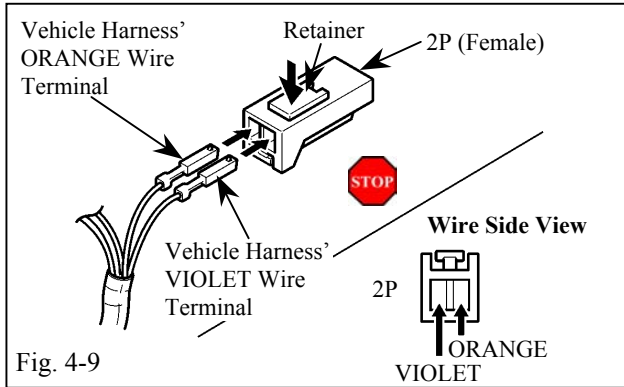
- (k) Close the long terminal retainer of the 30P connector. (Fig. 4-7)



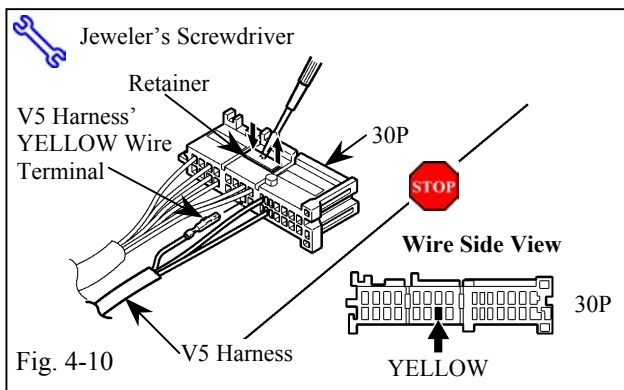
- (l) Disconnect the empty 2P female connector plugged into the V5 harness. Using a small jeweler's screwdriver, lift the terminal retainer on the back of the empty connector. (Fig. 4-8)



(1) Do not pull out the retainer.



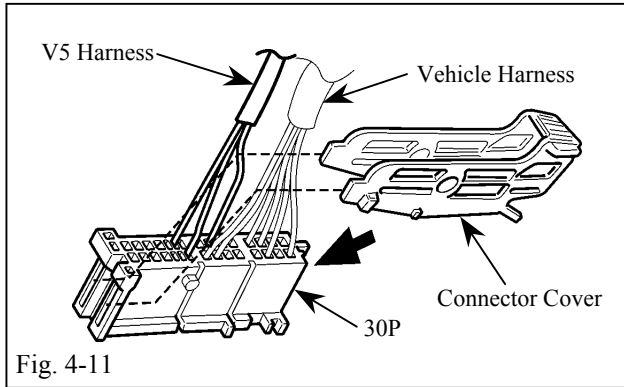
- (m) Insert the terminal at the end of the vehicle harness' VIOLET wire into empty 2P connector's left side opening. (Fig. 4-9)
- (n) Insert the terminal at the end of the vehicle harness' ORANGE wire into the empty 2P connector's right side opening. (Fig. 4-9)
  - (1) Turn the connector so the wires face you and the tab is on top.
  - (2) Verify the correct wire is chosen.
  - (3) Verify the terminal is inserted and seated properly.
  - (4) The terminal should not come out when pulled lightly from the back. If it does, push it in again until securely seated.
- (o) Close the retainer. (Fig. 4-9)



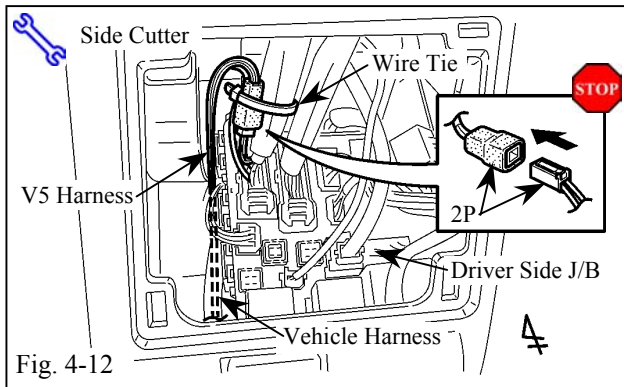
- (p) Using a small jeweler's screwdriver, lift the center terminal retainer on the 30P connector. Then insert the terminal at the end of the V5 harness' YELLOW wire into the bottom row, seventh space from the left of the vehicle harness' 30P connector. (Fig. 4-10)
  - (1) Verify the correct wire is chosen.
  - (2) Verify the terminal is inserted and seated properly.
  - (3) The terminal should not come out when pulled lightly from the back. If it does, push it in again until securely seated.
- (q) Close the center terminal retainer of the 30P connector. (Fig. 4-10)



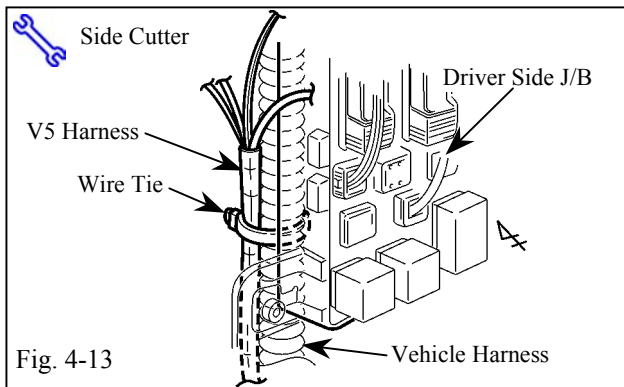




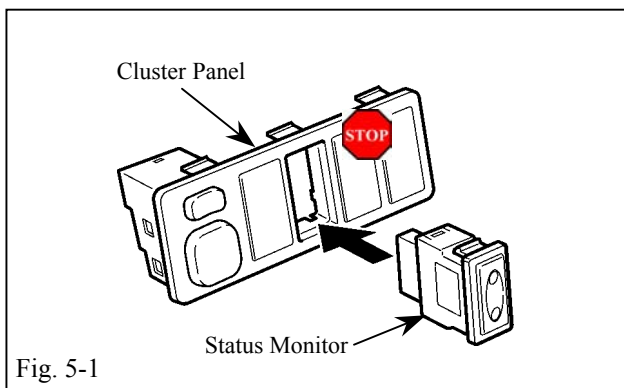
- (r) Refit the 30P connector's lock cover.  
(Fig. 4-11)
- (s) Reconnect 30P connector to the driver side J/B.



- (t) Plug the V5 harness' 2P male connector into the V5 harness' 2P female connector.  
(Fig. 4-12)
- (1) Verify the connectors are plugged in securely.
- (u) Secure the 2P connectors to the vehicle harness with one wire tie. (Fig. 4-12)

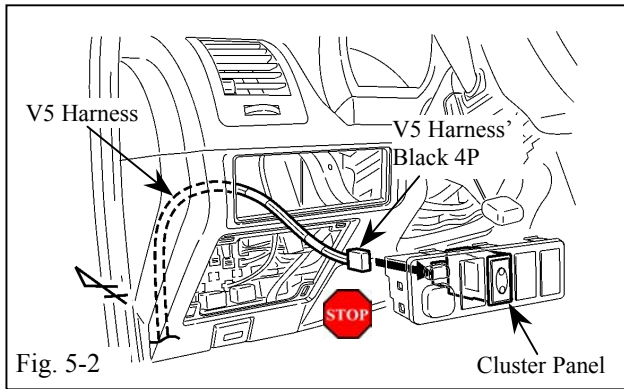


- (v) Secure the V5 harness to the vehicle harness behind the driver side J/B with one wire tie.  
(Fig. 4-13)



**5. Status Monitor Installation.**

- (a) Insert the status monitor into the open knockout space of the cluster panel.  
(Fig. 5-1)
- (1) Ensure the correct knockout space is chosen.

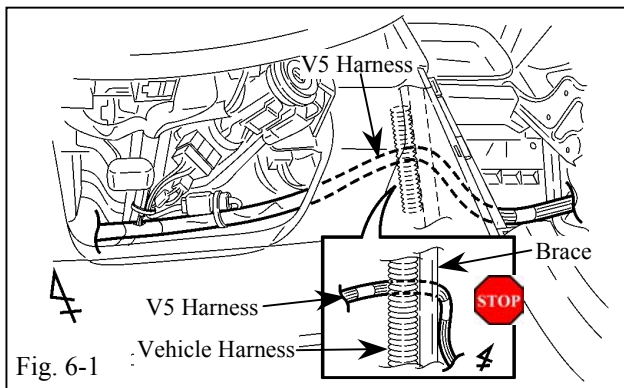


- (b) Connect the V5 harness' black 4P connector to the status monitor 4P connector. (Fig. 5-2)



- (1) Verify the connectors are plugged in securely.

- (c) Refit the cluster panel. (Fig. 5-2)

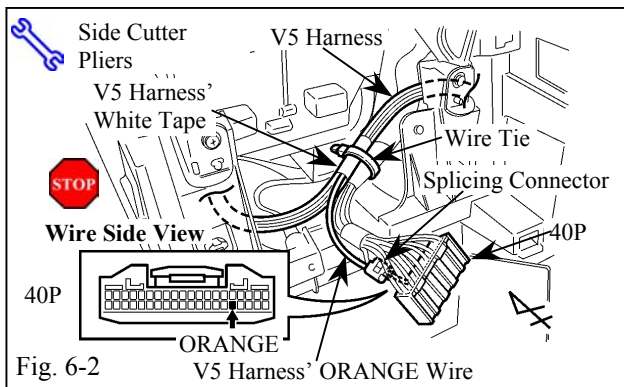


**6. V5 Wire Harness Installation.  
(From Steering Area to Center Console Area)**

- (a) Route the V5 harness toward the center console area. (Fig. 6-1)



- (1) Route the V5 harness through the opening space in front of the driver side brace as shown.

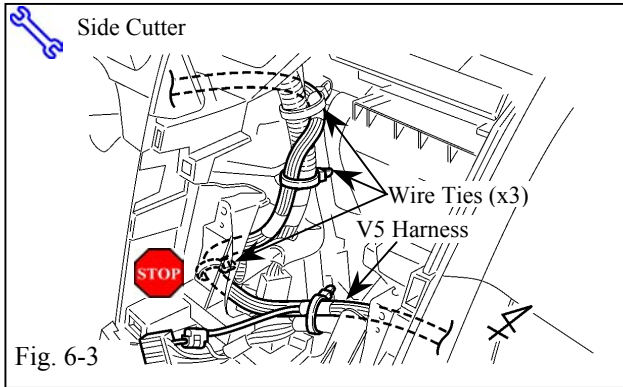


- (b) In the center console area, locate the white 40P connector's ORANGE wire (bottom row, sixteenth space from the left). Attach the V5 harness' ORANGE wire with a splicing connector. (Fig. 6-2)



- (1) Turn the connector so the wires face you and the tab is on top.
- (2) Verify the correct wire is chosen for splicing.
- (3) Verify the splicing connector is applied properly.

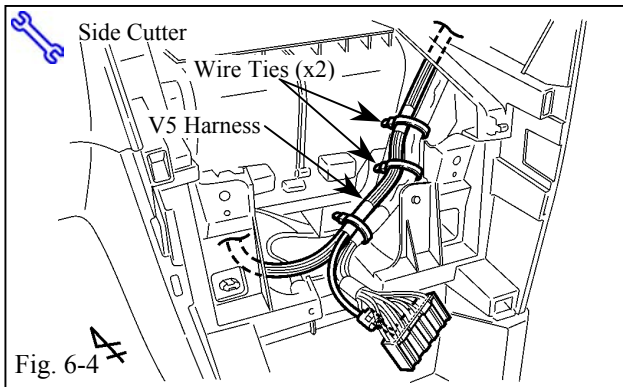
- (c) Locate the tape on the vehicle harness' 40P connector wires, then match it with the V5 harness' white taping. Secure the harnesses with one wire tie at the taping. (Fig. 6-2)



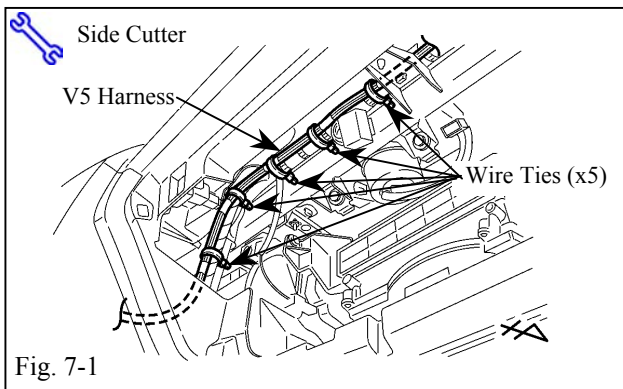
(d) Secure the V5 harness to the vehicle harness with three wire ties in the driver side center console area. (Fig. 6-3)



(1) Do not secure the V5 harness to the 10P and 6P connectors' harness with a wire tie.

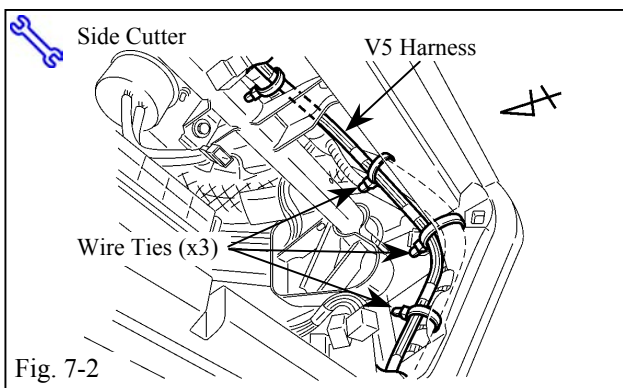


(e) Route the V5 harness toward the glove box area, then secure it to the vehicle harness with two wire ties in the passenger side center console area. (Fig. 6-4)

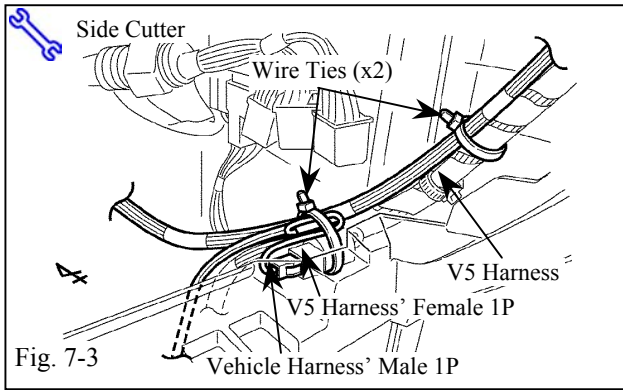


**7. V5 Wire Harness Installation.  
(Passenger Side Area)**

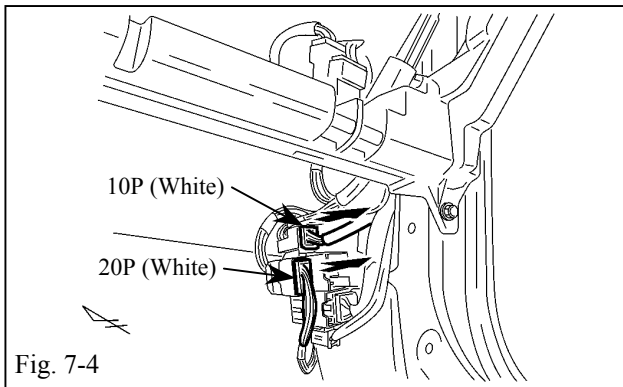
(a) Route the V5 harness to the glove box area, then secure it to the vehicle harness with five wire ties. (Fig. 7-1)



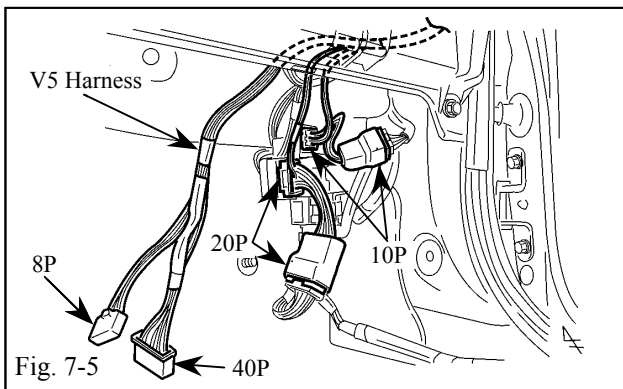
(b) Route the V5 harness through the glove box area, then secure it to the vehicle harness with three wire ties. (Fig. 7-2)



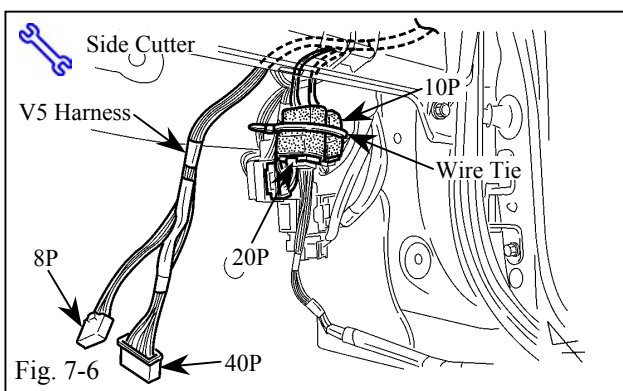
- (c) Locate the vehicle harness' white 1P connector above the passenger side cowl area. Plug the V5 harness' white 1P female connector into the vehicle harness' white 1P male connector. (Fig. 7-3)
- (d) Secure the V5 harness to the vehicle harness with one wire tie. (Fig. 7-3)
- (e) Secure the 1P connector and V5 harness to the vehicle harness with one wire tie. (Fig. 7-3)



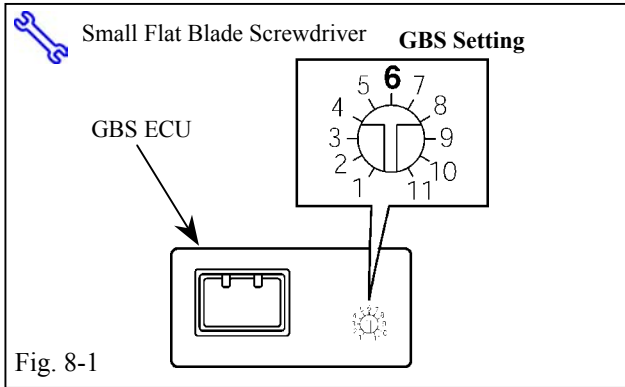
- (f) Locate and disconnect the white 10P and white 20P connectors from the passenger side cowl area. (Fig. 7-4)
  - (1) If the 10P connector harness is secured to the vehicle harness with breakaway tape, then cut the breakaway tape.



- (g) Plug in the V5 harness' white 10P connectors between the vehicle harness' 10P connector and the passenger side cowl area. (Fig. 7-5)
  - (1) Verify the connectors are plugged in securely.

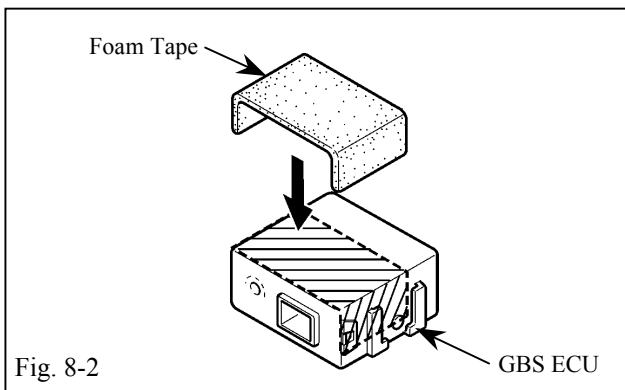


- (h) Plug in the V5 harness' white 20P connectors between the vehicle harness' 20P connector and the passenger side cowl area. (Fig. 7-5)
  - (1) Verify the connectors are plugged in securely.
- (i) Secure the V5 harness' 10P and 20P connectors to the vehicle harness with one wire tie. (Fig. 7-6)

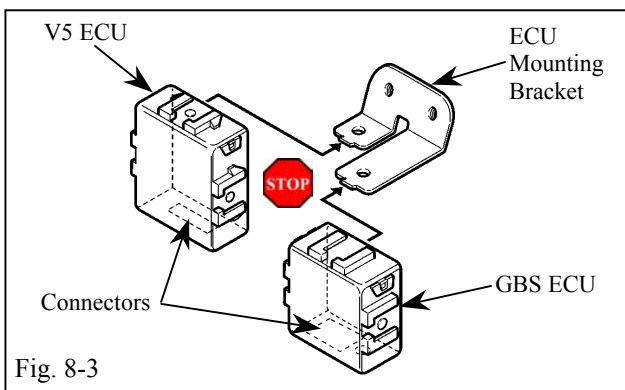


**8. V5 ECU, GBS ECU Preparation and Installation.**

- (a) Turn the adjustment screw on the GBS ECU to the "6" position. (Fig. 8-1)



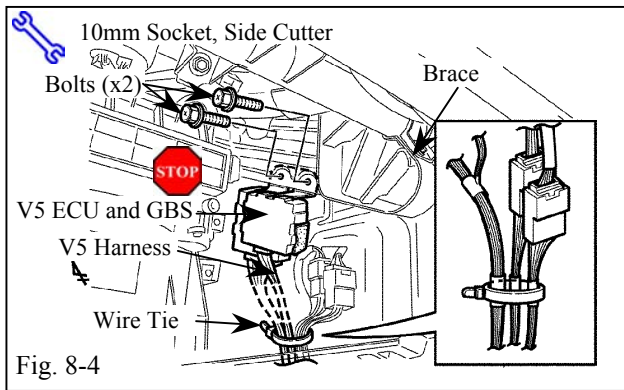
- (b) Attach one foam tape to the GBS ECU. (Fig. 8-2)



- (c) Insert the ECU mounting bracket into the indicated bracket slot on the V5 ECU and the indicated bracket slot on the GBS ECU. (Fig. 8-3)

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

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



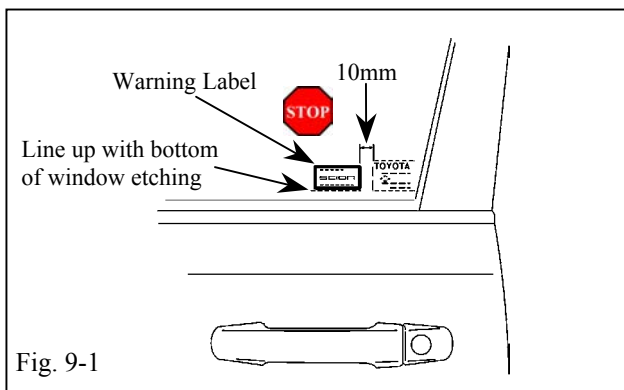
(d) Connect the V5 harness' 40P connector to the V5 ECU and 8P connector to the GBS ECU.

(e) Locate the two holes in the brace to the right side of the glove box area. Secure the V5 ECU and GBS ECU to the outside of the brace with two bolts supplied in kit. (Fig. 8-4)



(1) Verify the bolts are tightened and secured.

(f) Locate the V5 harness' black taping, and the white and gray connectors harness' black taping in the right side of the glove box area. Match those tapings and secure with one wire tie. (Fig. 8-4)



## 9. Warning Label Installation.

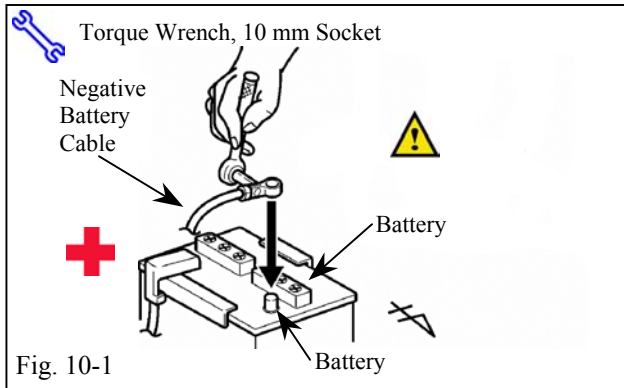
(a) Clean the inside surface of the front door's windows. (Fig. 9-1)

(b) Place the warning label on the inside surface of the front door's windows as shown. (Fig. 9-1)




(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.



## 10. Completing the Installation.

- (a) Complete the vehicle reassembly.
  - (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. 10-1)
  - (1) Position the negative terminal at an angle of  $\sim 90^\circ$  to the battery as shown.
  - (2)  Tighten the nut with 4.1N·m (36lbf·in) of torque.
  - (3)  Be careful not to touch the positive battery terminal.
- (d) Reset the power windows.
  - (1) Turn ignition key to ON position.
  - (2) Push down the power window switches of each door, and lower the windows halfway.
  - (3) Pull up the switches until the windows close and hold switches up for a further one (1) second (minimum.)
- (e) Reset the power moon roof.
  - (1) Push and hold moon roof switch to close side until moon roof closes. Hold for a further two (2) seconds.
- (f) Reset the tailgate door.
  - (1) Push door lock control switch to the "unlock" side.
  - (2) Pull up tailgate door handle.
- (g)  Place the owner's manual, and warranty card, left in their protective bags, in the glove box.



Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Look For:

Accessory Function Checks

**Fit appropriate fuse before beginning.**

- Press and release the remote control's lock button to start the system's arming process.
- Wait 30 seconds.
- Press and release the remote control's unlock button to disarm the system.

**Open the driver's door, insert the key into the ignition switch and turn it to "ON". Roll down all the windows, remove the key and exit the vehicle.**

- Arm and disarm the system with the remote again, then wait 30 seconds.
- Press and release the remote control's unlock button again to stop the arming process.
- Insert the key into the driver's door key cylinder and turn it toward the front of the vehicle to start the arming process.
- Wait 30 seconds.

1. The turn signal lights flash once.  
All doors lock.  
The Status Monitor's 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.
4. The doors automatically relock.  
The system automatically starts the arming process.
5. Refer to step # 3.
6. All doors lock.  
The LED lights up.
7. After 30 seconds, the LED starts flashing; the system is now armed.

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

- 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 key into the ignition switch and turn it to "START" to stop the alarm.

**Turn the key back to "LOCK", remove it, and then exit the vehicle.**

- With the door open, press the lock switch on the door to lock the doors, then close the door to start the system's arming process.
  
- Wait 30 seconds.
  
- Reach inside and manually unlock the front passenger's door to trigger an alarm.

Look For:

- 8. The driver's door automatically relocks.  
The horn sounds repeatedly.  
The headlights flash repeatedly.  
The turn signal lights flash repeatedly.  
The LED lights up.
  
- 9. 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.
  
- 10. The horn stops sounding.  
All the lights stop flashing and/ or turn off.  
The LED turns off.  
The starter cranks and the engine starts.
  
- 11. All doors lock.  
The LED lights up.
  
- 12. After 30 seconds, the LED starts flashing; the system is now armed.
  
- 13. The front passenger's door automatically relocks.  
The horn sounds repeatedly.  
The headlights flash repeatedly.  
The turn signal lights flash repeatedly.  
The LED lights up.

Checklist - these points **MUST** be checked to ensure a quality installation.


Check:

- Press and release the remote control's unlock button to stop the alarm.
- Press and release the remote control's lock button to start the system's arming process, then wait 30 seconds until the system is armed.

**Roll up all windows, remove the key and exit the vehicle.**

- Press and release the remote control's lock button to start the arming process.
- Wait 30 seconds.

**Perform the following check in a temperature-controlled environment (50° - 90° F.)**

-   With the tip of key (or Striker Tool pulled all way out (PPO only)), tap the center of the driver's door window to trigger the "warn away" alarm.

Look For:

- 14. The horn stops sounding.  
All the lights stop flashing.  
The LED turns off
- 15. Refer to step #1 and #2.
- 16. Refer to step # 1.
- 17. After 30 seconds, the LED starts flashing; the system is now armed.
- 18. 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.*

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
<input type="checkbox"/> Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the alarm	19. The horn stops sounding. All the lights stop flashing and/ or turn off. The status monitor's LED turns off
<p><u>Vehicle Function Checks</u></p>	
<input type="checkbox"/> Head Lights	Functioning Head Lights
<input type="checkbox"/> High Beams	Functioning High Beams
<input type="checkbox"/> Turn Signal Lights	Functioning Turn Signal Lights
<input type="checkbox"/> Tail Lights	Functioning Tail Lights
<input type="checkbox"/> Stop Lights	Functioning Stop Lights
<input type="checkbox"/> Backup Lights	Functioning Backup Lights
<input type="checkbox"/> Hazard Lights	Functioning Hazard Lights
<input type="checkbox"/> Marker Lights	Functioning Marker Lights
<input type="checkbox"/> Dome/Courtesy Lights	Functioning Dome/Courtesy Lights
<input type="checkbox"/> Panel/Switch Illumination 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

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
<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	All HVAC Controls Function
<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
<input type="checkbox"/> Power Sunroof (if equipped)	Functioning Sunroof
<input type="checkbox"/> Horn	Functioning Horn
<input type="checkbox"/> Gauges	Functioning Gauges
<input type="checkbox"/> Front Wiper/Washer	Functioning Front Wiper/Washer
<input type="checkbox"/> Rear Wiper/Washer (if equipped)	Functioning Rear Wiper/Washer
<input type="checkbox"/> Clock (if equipped)	Functioning Clock
<input type="checkbox"/> Accessory Power Socket (if equipped)	Functioning Power Socket

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

- 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)
- Power Back Door (if equipped)
- Audio Steering Wheel Controls (if equipped)

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

Look For:

- 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 Power Back Door
- Functioning Audio Steering Wheel Controls