

Part Number: 08586-OC910**Conflicts**

Do not install into vehicles without RKE systems.

Recommended Sequence of Application

Item #	Accessory	

Kit Contents

Item #	Quantity	Description
1	1	Wire Harness
2	1	Gateway ECU Mounting Bracket
3	1	RES ECU Mounting Bracket
4	1	Custom Nut

Hardware Bag Contents

Item #	Quantity	Description
1	1	RES ECU
2	1	Gateway ECU
3	5	Foam Tape Strips (1 per.)
4	20	Wire Ties
5	1	M6x18 Bolt
6	1	M6 Flange Nut
7	2	Window Warning Labels (English)
7	2	Window Warning Labels (Spanish)
8	2	Key Labels (English)
8	2	Key Labels (Spanish)
9	2	Key Tags (English)
9	2	Key Tags (Spanish)
10	1	Engine Room Warning Label (English)
10	1	Engine Room Warning Label (Spanish)
12	2	Screw Covers
13	1	Owner's Guide

Additional Items For Installation (may be required)

Item #	Quantity	Description
1	1	Black Electrical Tape

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

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets, Parts Boxes
Special Tools	Notes
Installation Tools	Notes
Screwdriver	#2 Phillips, Phillips Jewelers, Flat Blade Jewelers
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Side Cutters	
Torque Wrench	36 in•lbf (4.07 N•m)
Utility Knife	
Clear Tape	
Wrench	10mm
Socket	10mm, Extension
Special Chemicals	Notes
Cleaner	3M™ Prep Sol-70
Glass Cleaner	Household Glass Cleaner

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.



REVISION MARK: This mark highlights a change in installation with respect to previous issue.

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

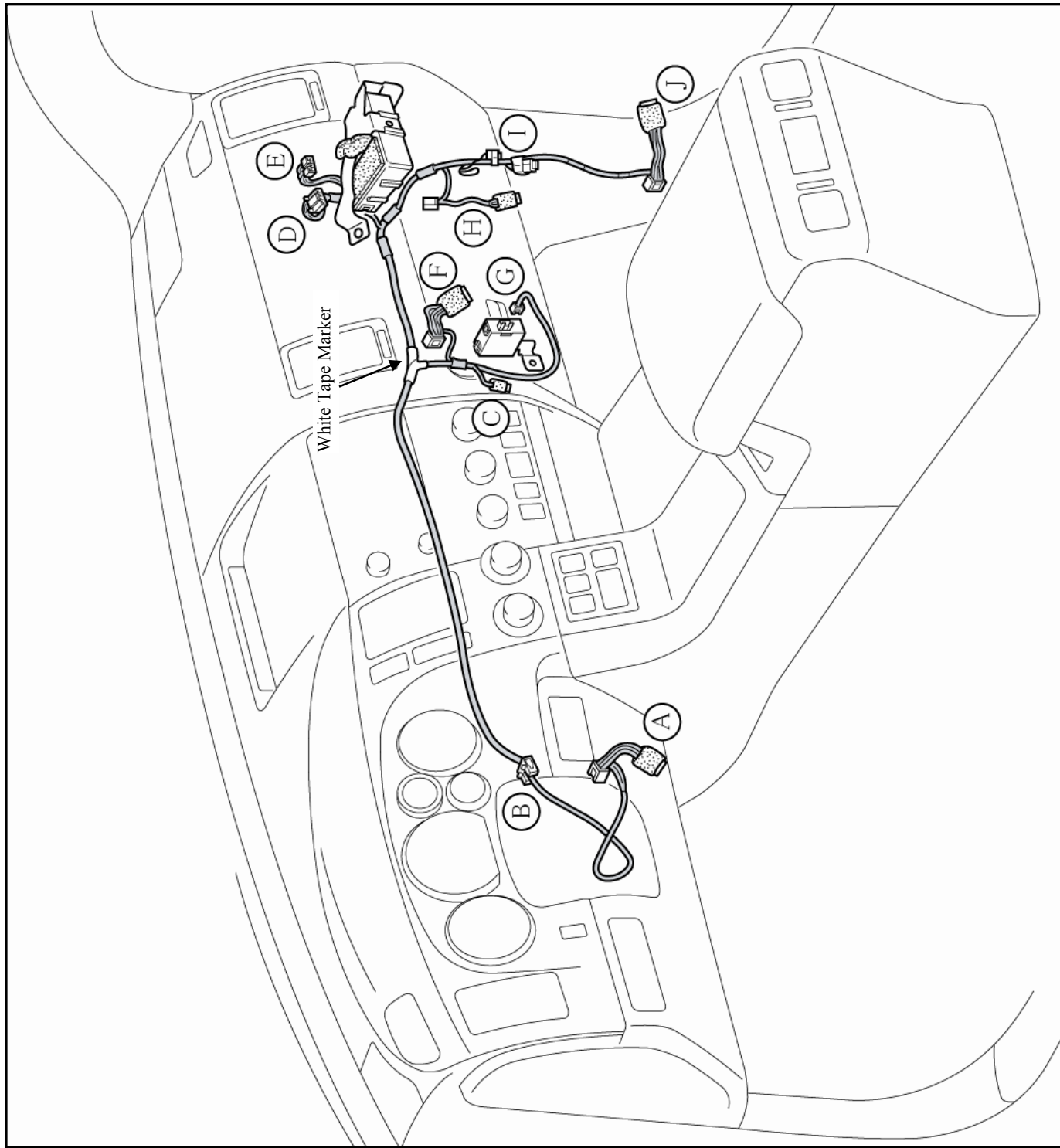
These guidelines can be found in the "Accessory Installation Practices" document.

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

8P WHITE	V4 Fuse Box 7.5watt (x2)	3P WHITE	20P WHITE to RES ECU	8P WHITE to RES ECU	10P WHITE	5P WHITE to BUS ECU	5P BLACK	1P WHITE RES Diagnosis	20P WHITE				
A	B	C	D	E	F	G	H	I	J				



1. Vehicle Disassembly.

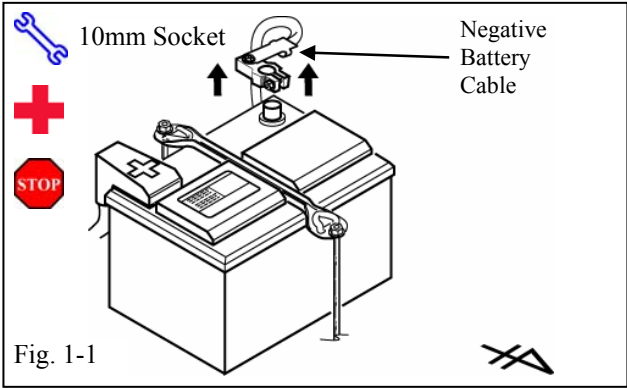
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(a) Place the vehicle in Park and set the Parking Brake.
- (b) Fully extend the Steering Wheel's Tilt and Telescope positions.
- (c) Remove the Negative Battery Cable.

(Fig. 1-1)

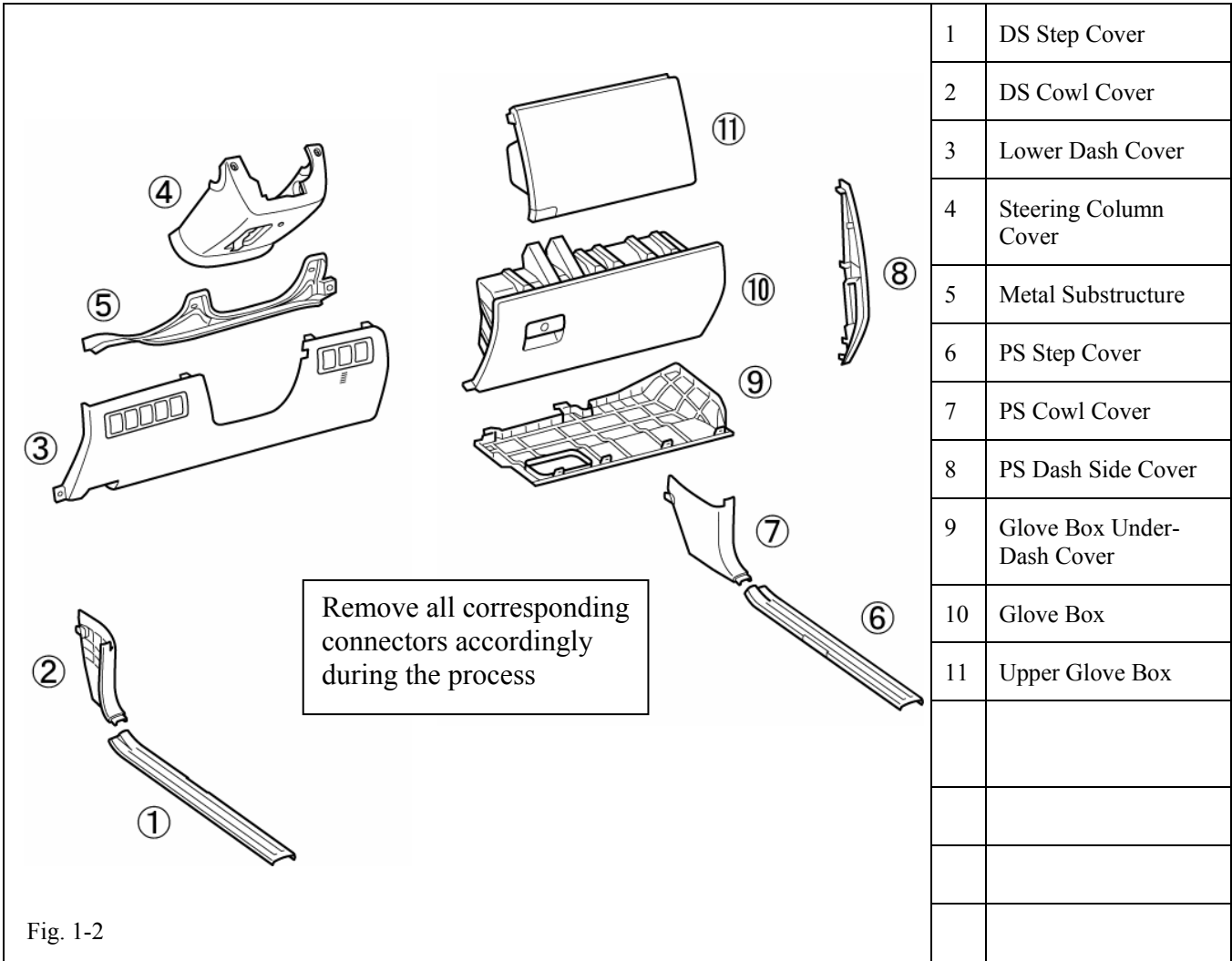
(1) Protect the Fender.

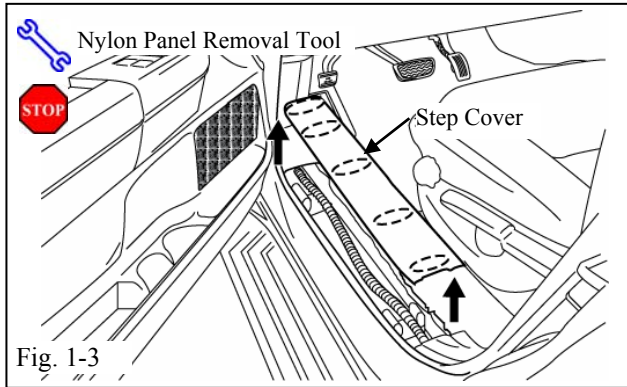
(2) Note the Battery Cable position, as it will be re-installed in the same position.



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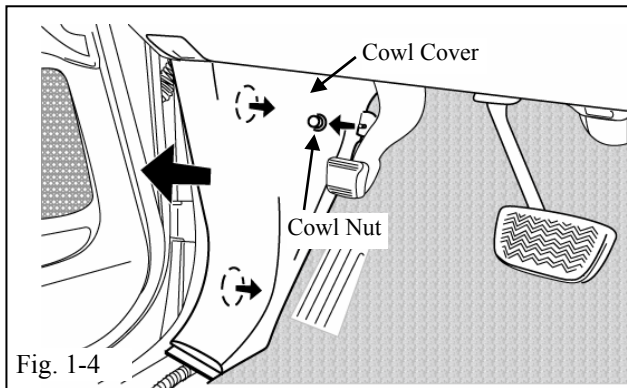
CAUTION: Do not touch the positive terminal.





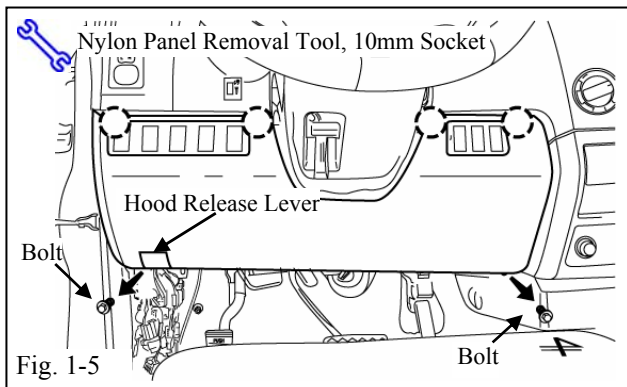
(d) Remove the Driver's Step Cover. (Fig. 1-3)

- (1) Protect the Vehicle Interior.



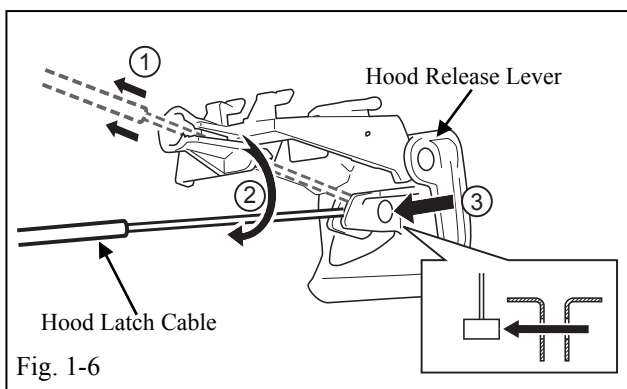
(e) Remove the Driver's Cowl Cover. (Fig. 1-4)

- (1) Remove 1 Nut.



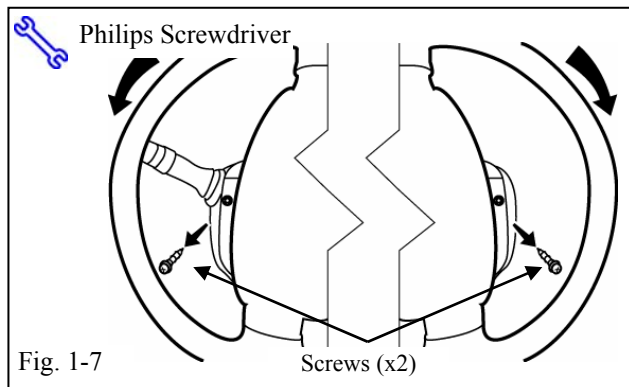
(f) Dislodge the Lower Dash Cover. (Fig. 1-5)

- (1) Remove 2 Bolts.
- (2) Disconnect all connectors.



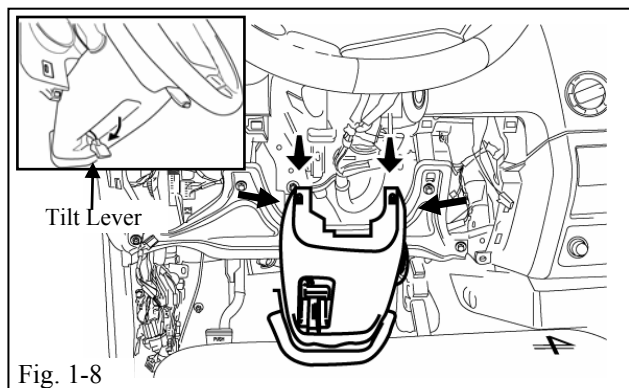
(g) Remove the Hood Latch Cable from the Hood Latch Lever. (Fig. 1-6)

(h) Remove the Lower Dash Cover.



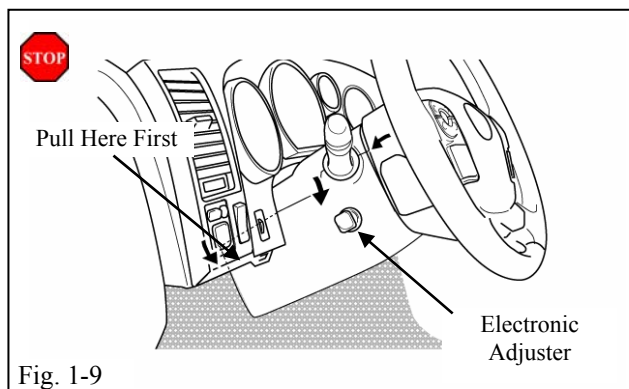
- (i) Remove the 2 Screws from the Lower Steering Column Cover. (Fig. 1-7)
 - (1) Insert the key into the Ignition and turn it to "ON."
 - (2) Turn the Steering Wheel left then right to gain access to the 2 Screws securing the Cover.

FOR USE ON VEHICLES WITH MANUAL TILT ADJUST. (steps k-l)



- (j) Release the Tilt Lever. (Fig. 1-8)
- (k) Press inwards on each side of the Steering Column Cover while pulling downward to remove the cover. (Fig. 1-8)

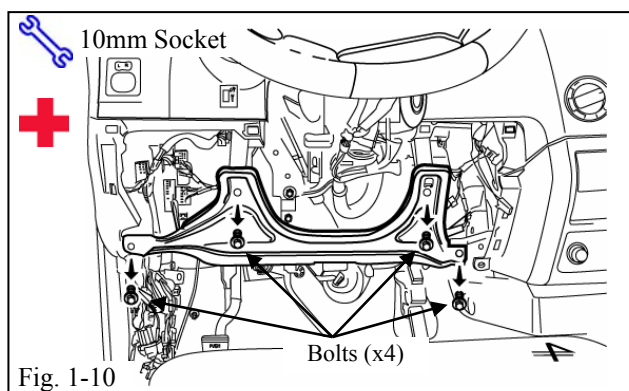
FOR USE ON VEHICLES WITH ELECTRONIC TILT ADJUST. (steps m-n)



- (l) Press in on each side and pull down on the lower section of the Lower Steering Column Cover to release it from the top section. (Fig. 1-9)
- (m) Pull out on the top left corner of the Steering Column Cover to clear the Electronic Steering Column Adjuster Knob. (Fig. 1-9)



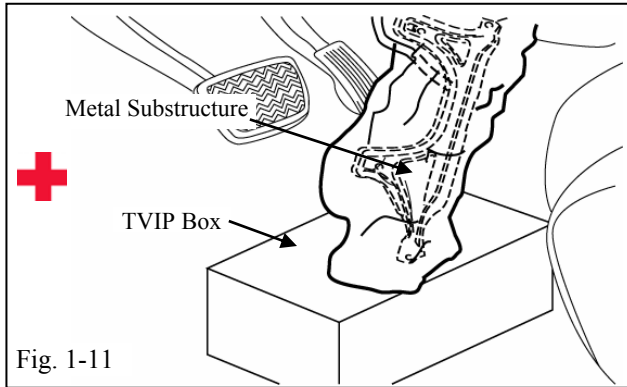
CAUTION: Avoid scratching the vehicle.



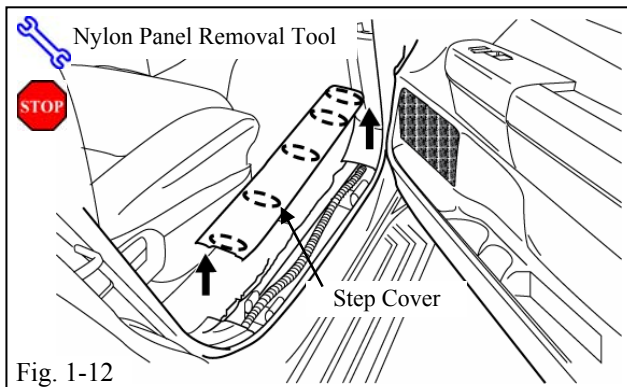
- (n) Remove the Metal Substructure. (Fig. 1-10)
 - (1) Remove 4 Bolts.



CAUTION: Sharp metal edges.

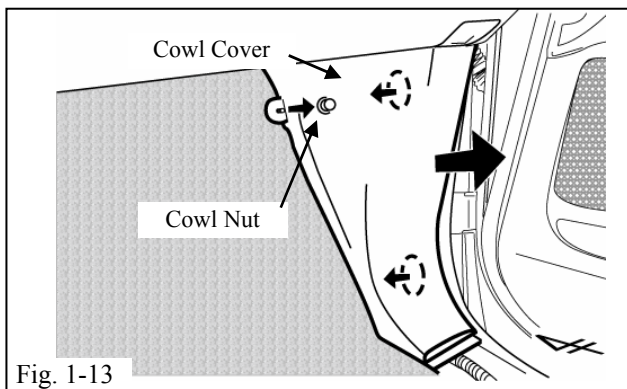


- (o) Wrap the Metal Substructure in a Blanket and use the TVIP Kit Box to support it. (Fig. 1-11)



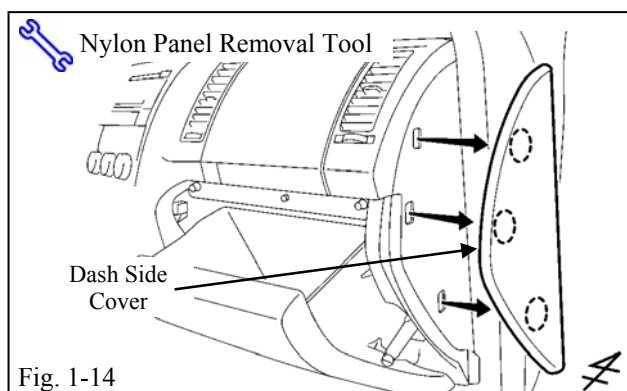
- (p) Remove the Passenger's Step Cover. (Fig. 1-12)

(1) Protecting the Vehicle Interior.



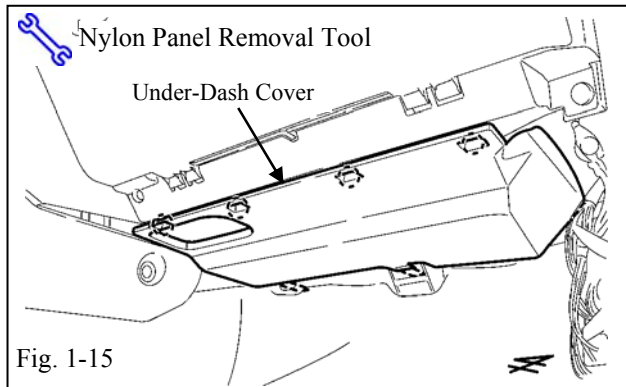
- (q) Remove the Passenger's Cowl Cover. (Fig. 1-13)

(1) Remove 1 Nut.

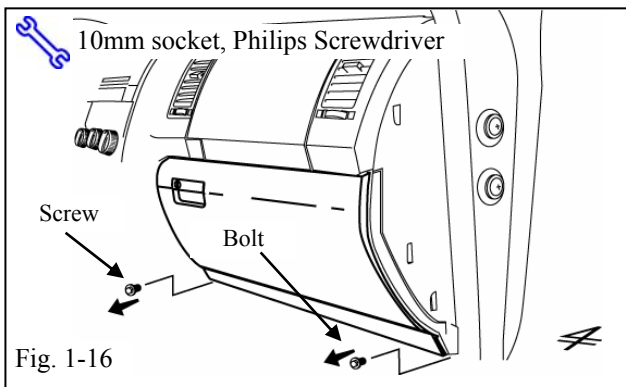


- (r) Remove the Passenger's Dash Side Cover. (Fig. 1-14)

(1) Open the Glove Box.

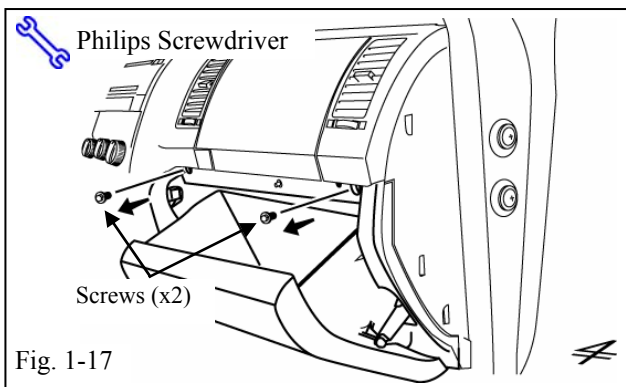


- (s) Remove the Glove Box Under-Dash cover.
(Fig. 1-15)



- (t) Remove 1 Screw and 1 Bolt from the bottom of the Glove Box. (Fig. 1-16)

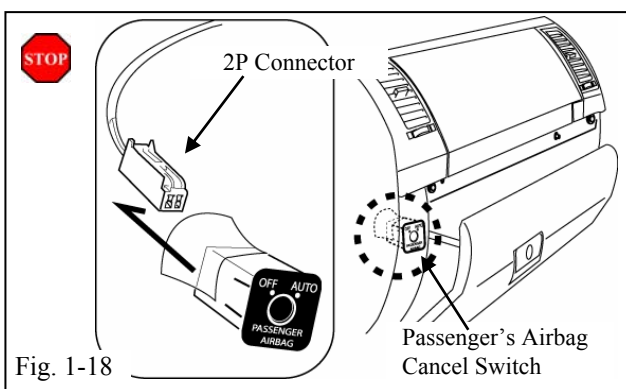
(1) Close the Glove Box.



- (u) Remove the Glove Box. (Fig. 1-17)

(1) Open the Glove Box.

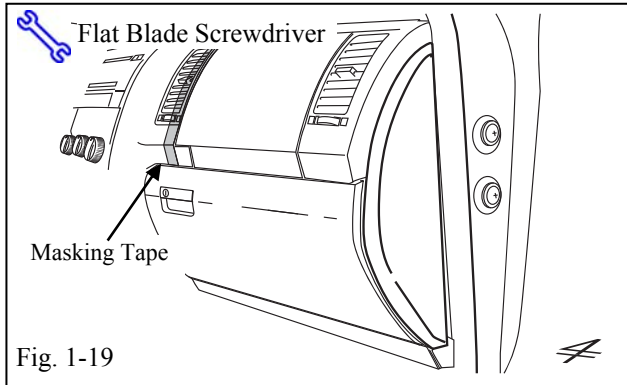
(2) Remove 2 Screws.



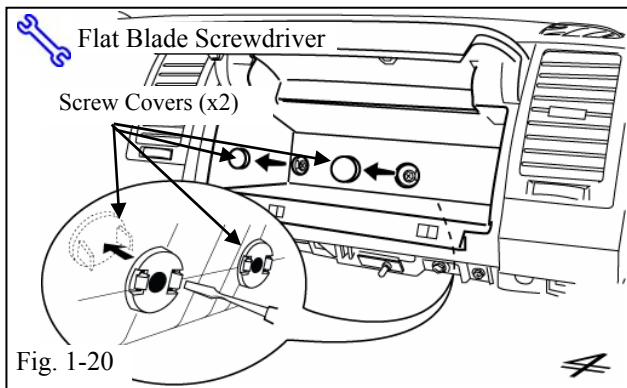
FOR VEHICLES EQUIPPED WITH AIR BAG CANCEL SWITCH. (step w)

CAUTION: Verify that the negative battery terminal is disconnected.

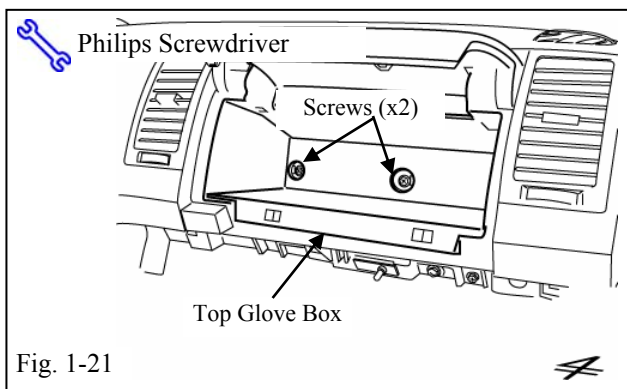
- (v) Disconnect the Vehicle's 2P Connector from the Passenger's Airbag Cancel Switch.
(Fig. 1-18)



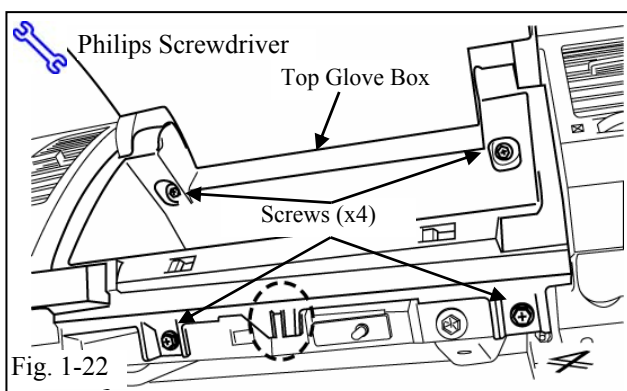
- (w) Apply Masking Tape to the Dash as shown.
(Fig. 1-19)



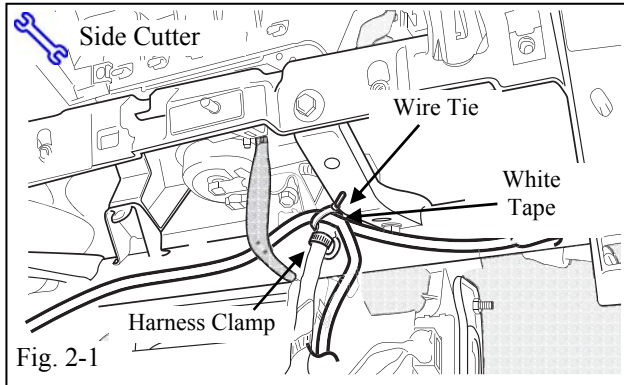
- (x) Remove 2 Screw Covers from the Upper Glove Box. (Fig. 1-20)
- (1) Using a Flat Blade Jewelers Screwdriver release the tabs on the backside of the Upper Glove Box.
 - (2) Discard the Screw Covers.



- (y) Remove the 2 Screws at the back of the Upper Glove Box. (Fig. 1-21)

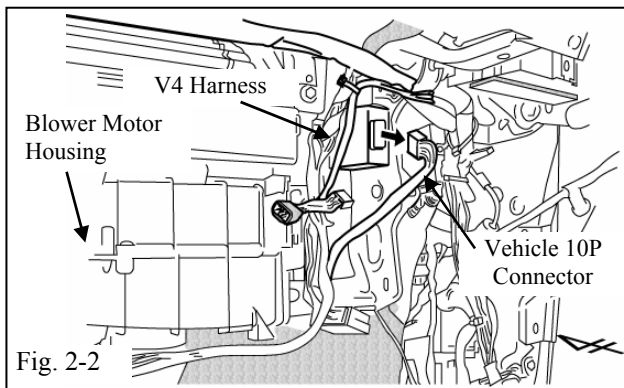


- (z) Remove the Upper Glove Box. (Fig. 1-22)
- (1) Remove 4 additional screws.

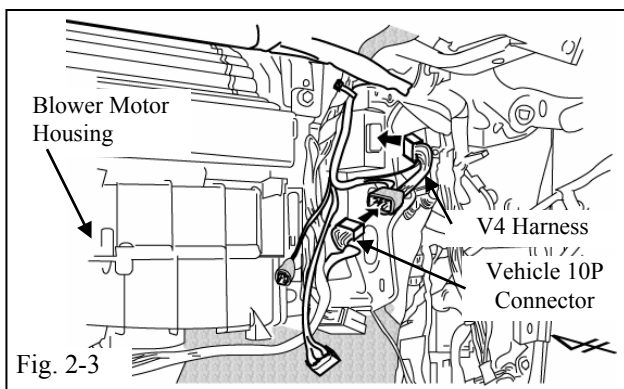


2. V4 Wire Harness Installation.
(Passenger's Side)

- (a) Secure the White Taped Marker of the V4 Harness to the Vehicle Harness Clamp with 1 Wire Tie. (Fig. 2-1)

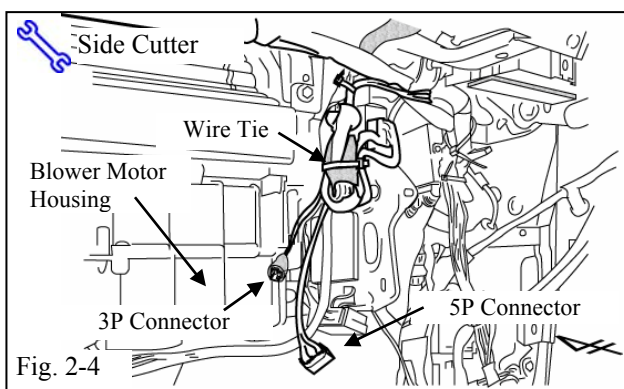


- (b) Disconnect the Vehicle's White 10P Connector from the Vehicle ECU located on the right side of the Blower Motor. (Fig. 2-2)

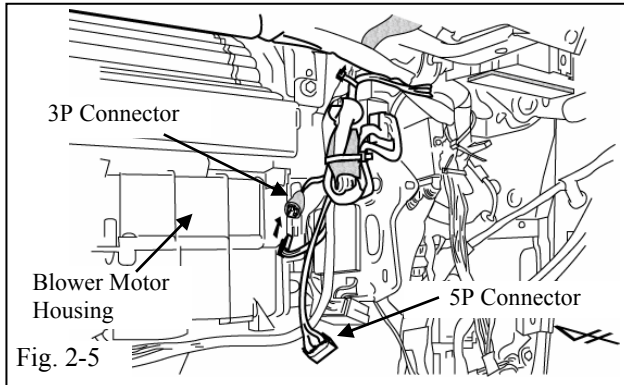


- (c) Plug the V4 Harness's White 10P Connectors between the Vehicle Harness's 10P Connector and the Vehicle ECU. (Fig. 2-3)

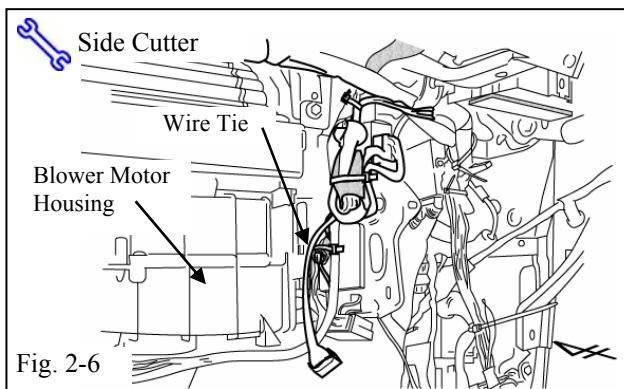
- (1) Verify secure connection.



- (d) Secure the 10P Connectors and V4 harness to the Vehicle Harness with 1 Wire Tie. (Fig. 2-4)
- (e) Route the V4 Harness's 3P and 5P Connectors Downward. (Fig. 2-4)

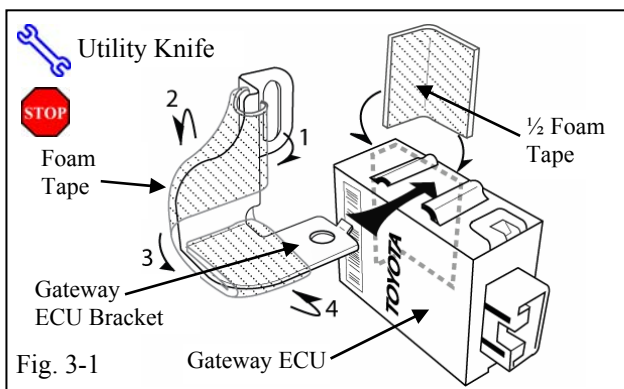


- (f) Locate the Vehicle's pre-wire White 3P Male Connector on the right side of the Blower Motor. (Fig. 2-5)
- (g) Connect the V4 Harness's 3P Connector to the Vehicle's White 3P Male Connector.

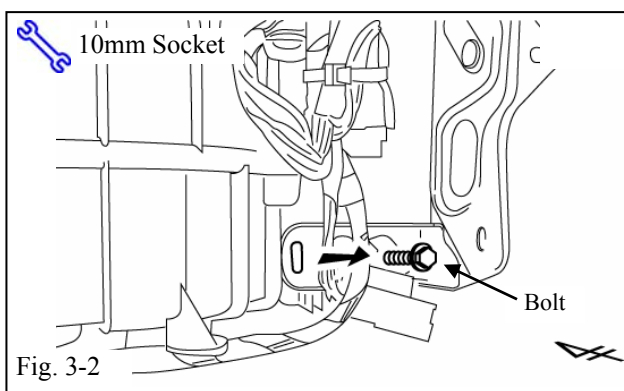


- (h) Secure the 3P Connectors and V4 Harness to the Vehicle Harness with 1 Wire Tie. (Fig. 2-6)

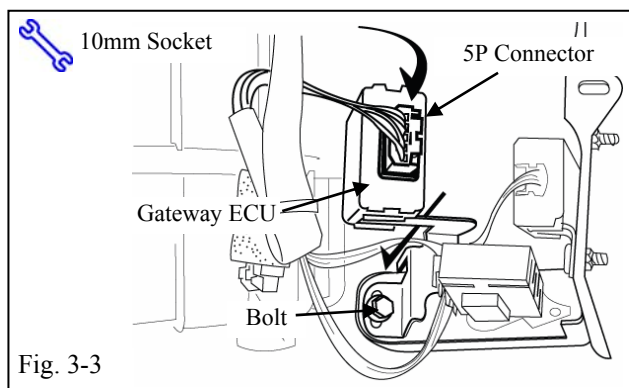
3. Gateway ECU Preparation and Installation.



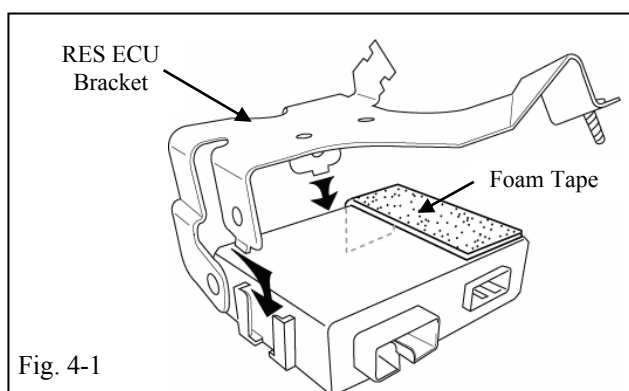
- (a) Insert the mounting bracket into the indicated bracket slot on the Gateway ECU. (Fig. 3-1)
- (1) Ensure the bracket is firmly attached to the ECU.
- (b) Apply 1/2 piece of Foam Tape from Fig. 2-4 to the Gateway ECU as shown. (Fig. 3-1)
- (c) Apply 1 piece of Foam Tape to the Gateway ECU Bracket as shown. (Fig. 3-1)



- (d) Remove 1 Bolt securing the Vehicle's Brace on the right side of the Blower Motor. (Fig. 3-2)

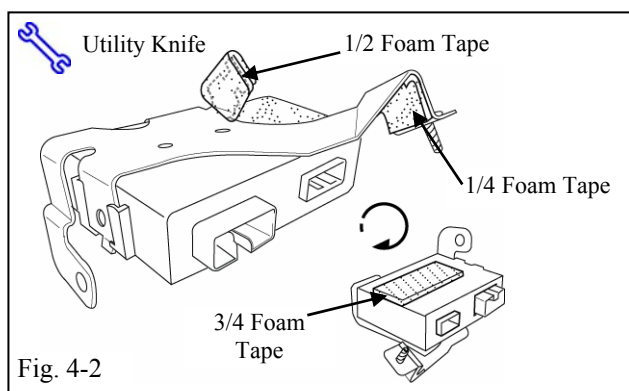


- (e) Use existing Bolt to secure the Gateway ECU to the Vehicle Brace. (Fig. 3-3)
- (f) Connect the V4 Harness' White 5P Connector to the Gateway ECU. (Fig. 3-3)

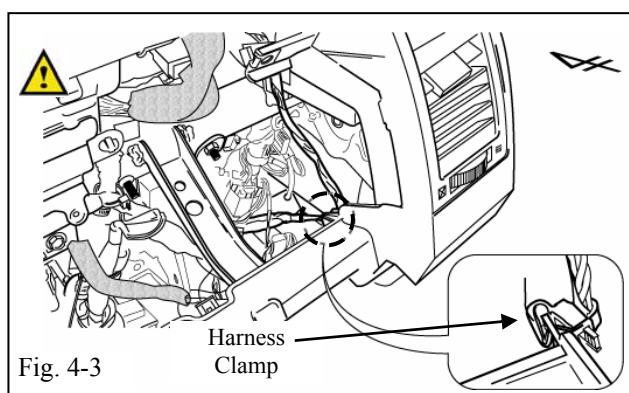


4. RES ECU Preparation and Installation.

- (a) Apply 1 piece of Foam Tape to the RES ECU as shown. (Fig. 4-1)
- (b) Insert the Mounting Bracket into the indicated bracket slots on the RES ECU (Fig. 4-1)
 - (1) Ensure the Bracket is firmly attached to the ECU.



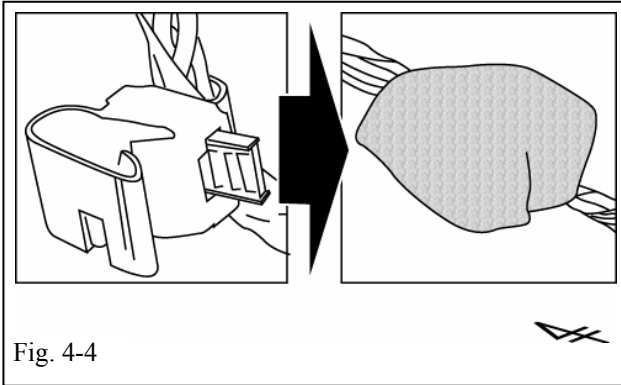
- (c) Apply 1/2 piece of Foam Tape to the ECU Bracket as shown. (Fig. 4-2)
 - (1) Do not discard the extra Foam Tape.
- (d) Cut and affix 3/4 of 1 piece of Foam Tape to the RES ECU as shown. (Fig. 4-2)
- (e) Apply the Extra 1/4 Foam Tape to the ECU Bracket as shown. (Fig. 4-2)



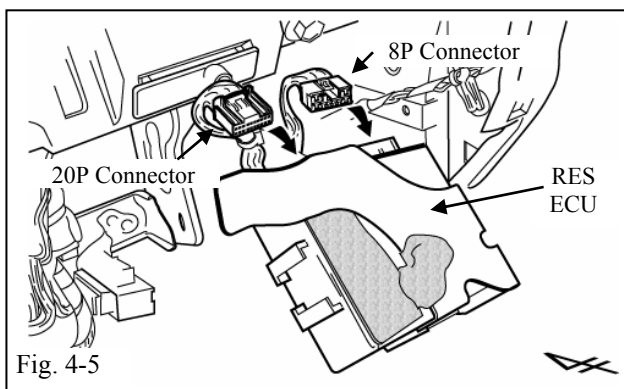
- (f) Remove the Vehicle Harness Clamp from the Dashboard in the Upper Glove Box Area. (Fig. 4-3)



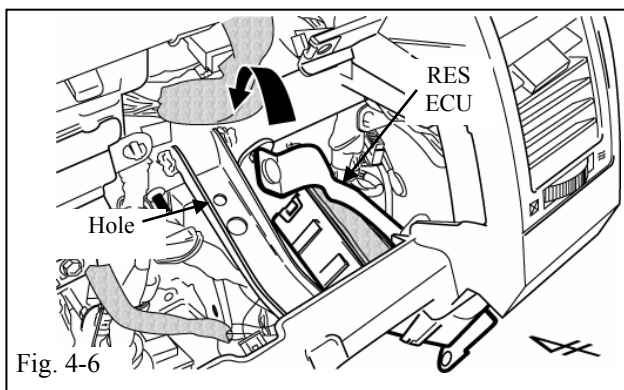
CAUTION: Avoid damaging the vehicle parts.



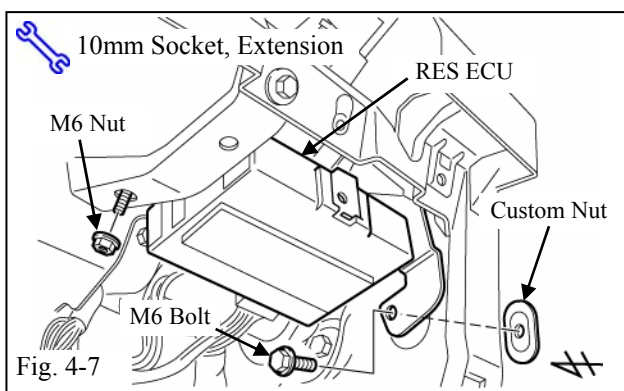
- (g) Wrap the Vehicle Harness Clamp with 1/2 piece of Foam Tape from Fig. 5-2. (Fig. 4-4)



- (h) Connect the V4 Harness's White 8P and 20P Connectors to the RES ECU. (Fig. 4-5)



- (i) Install the RES ECU from the bottom, up through the opening as shown. (Fig. 4-6)

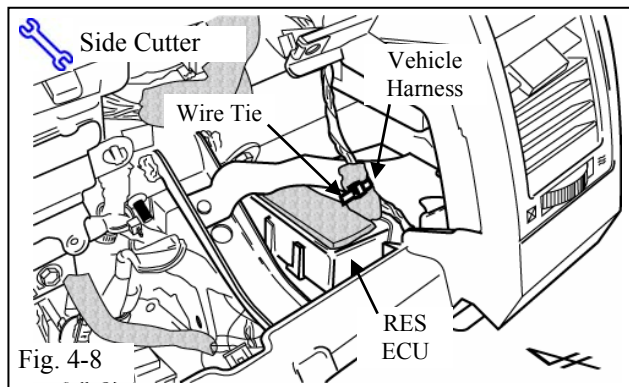


- (j) Using the M6 Flange Nut, the M6 Bolt and the Custom Nut from the Kit, temporarily install the Mounting Bracket. (Fig. 4-7)

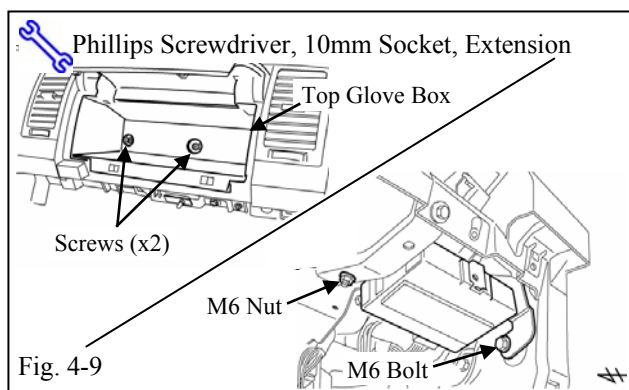
- (1) Verify that the Custom Nut seats into the Vehicle Brace properly.



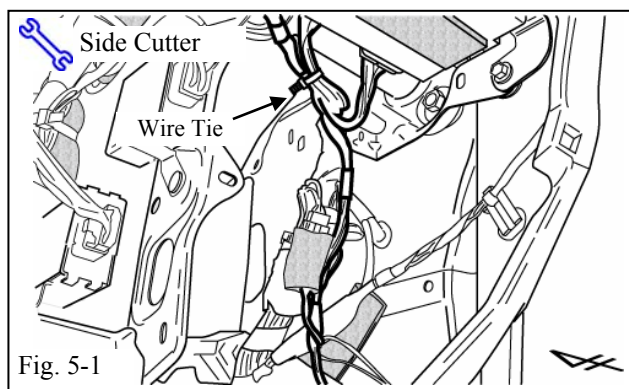
CAUTION: Avoid pinching any Vehicle Harnesses.



- (k) Secure the Vehicle Harness to the Mounting Bracket with 1 Wire Tie (Fig. 4-8)

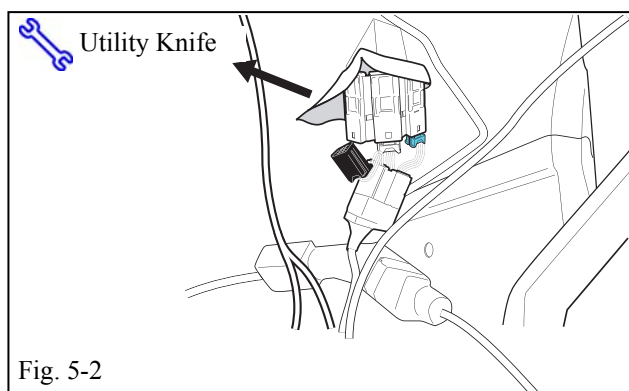


- (l) Refit the Top Glove Box. (Fig. 4-9)
- (1) Replace the Screw Covers with the ones provided in the kit.
- (m) Now tightening the M6 Flange Nut and the M6 Bolt until secure. (Fig. 4-9)

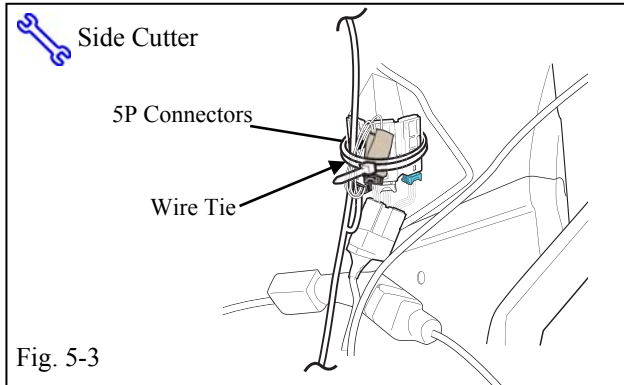


5. V4 Wire Harness Installation. (Passenger's Side Continued)

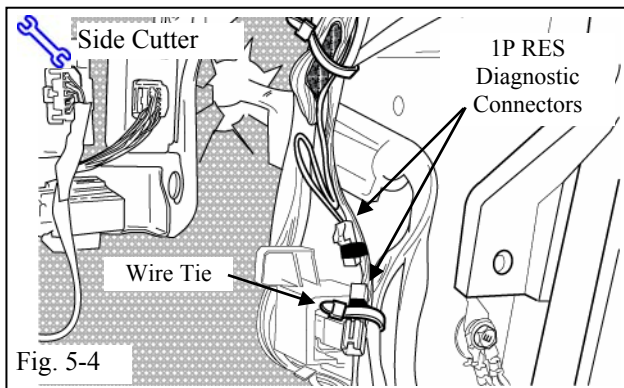
- (a) Route the V4 Harness' Black 5P Connector towards the Passenger Side Cowl Area, securing it to the Vehicle harness with 1 Wire Tie. (Fig. 5-1)



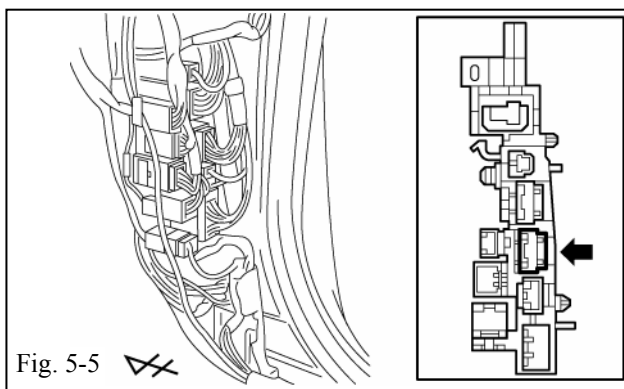
- (b) Carefully remove the Tape securing the 3 Connectors in the upper portion of the Passenger Side Cowl Area. (Fig. 5-2)
- (1) Dislodge any Pre-wire Connectors from the Vehicle Harness.
- (c) Disconnect the Black 5P (B 31) Connector. (Fig. 5-2)



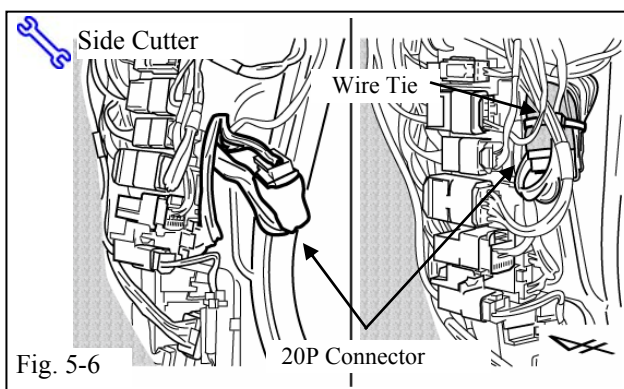
- (d) Plug in the V4 Harness's Black 5P Connectors between the Vehicle Harness's 5P Connectors. (Fig. 5-3)
- (e) Use 1 Wire Tie to secure the 5P Connector the V4 Harness and the 3 Vehicle Connectors to the Vehicle Harness. (Fig. 5-3)
- (f) Re-tape any Pre-wire Connectors to the Vehicle Harness.



- (g) Continue Routing the V4 Harness towards the Passenger's Cowl Area. (Fig. 5-4)
- (h) Secure the V4 Harness and its 1P RES Diagnostic Connectors to the Vehicle Harness with 1 Wire Tie. (Fig. 5-4)

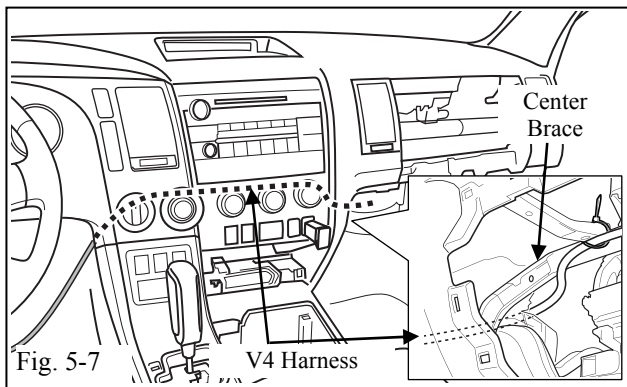


- (i) Disconnect the White 20P Connector in the Passenger Side Cowl Area's J/B. (Fig. 5-5)

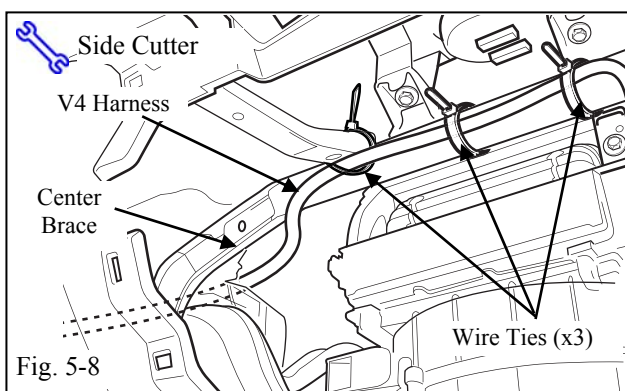


- (j) Plug in the V4 Harness's White 20P Connectors between the Vehicle Harness' 20P Connector and the J/B. (Fig. 5-6)
- (k) Secure the 20P Connectors to the Vehicle Harness with 1 Wire Tie. (Fig. 5-6)

GO BACK TO THE V4 HARNESS WHITE TAPE MARKER.

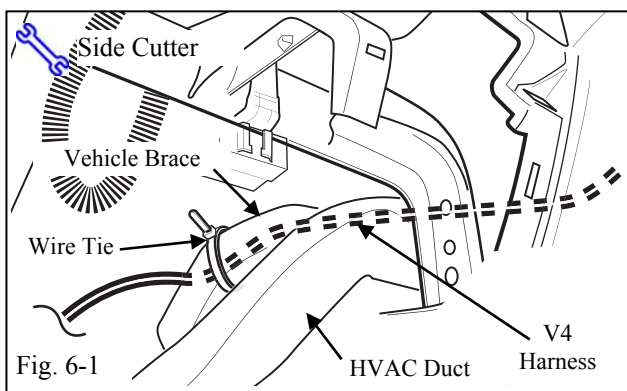


- (l) Route the V4 Harness behind the Center Brace towards the Driver's Area. (Fig. 5-7)



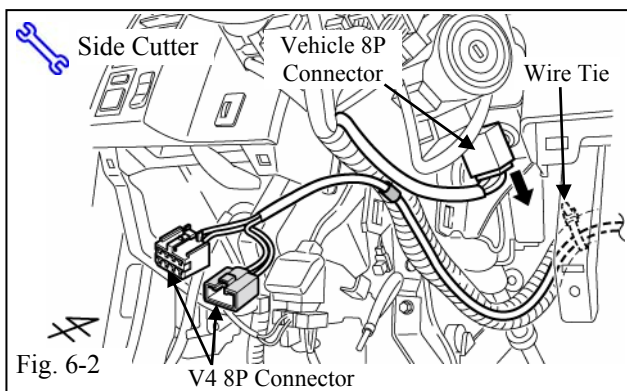
- (m) Use 2 Wire Ties to secure the V4 Harness to the Reinforcement in the Glove Box Area. (Fig. 5-8)
- (n) Use 1 Wire Tie to secure the V4 Harness to the Center Brace. (Fig. 5-8)

6. V4 Wire Harness Installation. (Driver's Side)

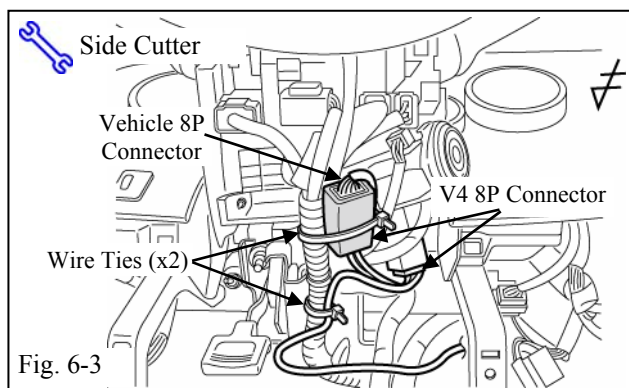


- (a) Route the V4 Harness toward the Steering Column. (Fig. 6-1)
- (b) Secure the V4 Harness to the Foam Tape wrapped Vehicle Brace with 1 Wire Tie. (Fig. 6-1)

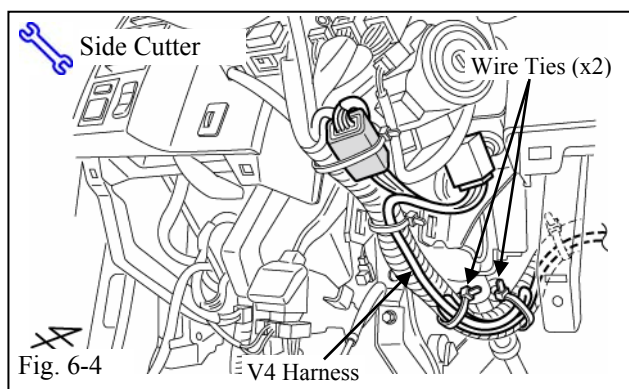
FOR USE ON VEHICLES WITH MANUAL STEERING TILT. (steps c-h)



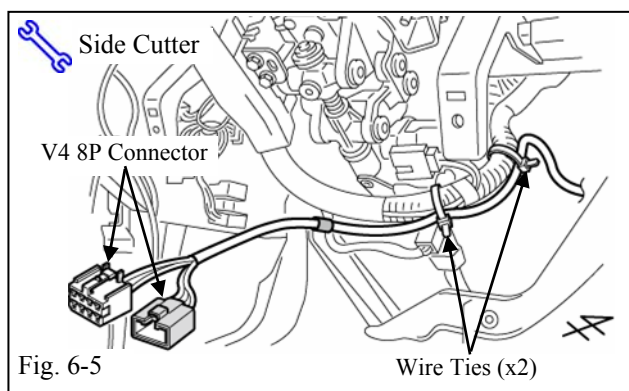
- (c) Secure the V4 Harness to the Vehicle Harness with 1 Wire Tie as shown. (Fig. 6-2)
- (d) Locate and disconnect the Vehicle's White 8P Ignition Connector. (Fig. 6-2)



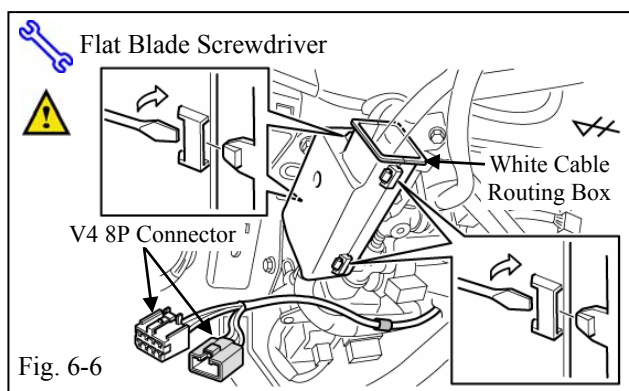
- (e) Plug in the V4 Harness's 8P Connectors between the Vehicle Harness's 8P Connector and the Ignition Switch Connectors. (Fig. 6-3)
- (f) Use 1 Wire Tie to secure the 8P Connectors to the Vehicle Harness. (Fig. 6-3)
- (g) Use 1 Wire Tie to secure the V4 Harness to the Vehicle Harness. (Fig. 6-3)
- (h) Fold the excess V4 Harness in half, and use 2 Wire Ties to secure it to the Vehicle Harness. (Fig. 6-4)



FOR USE ON VEHICLES WITH ELECTRONIC STEERING TILT. (steps i-q)



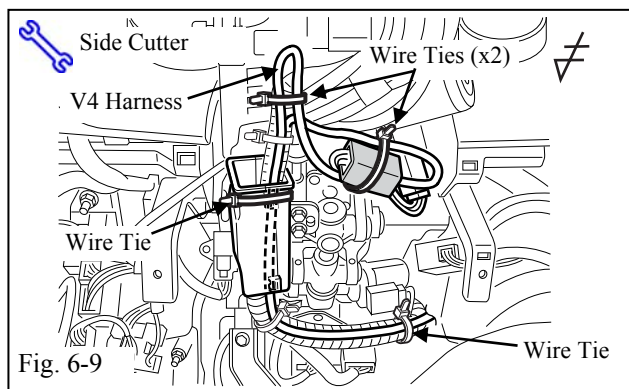
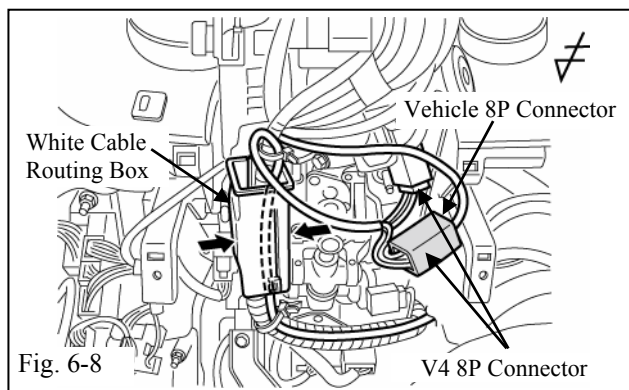
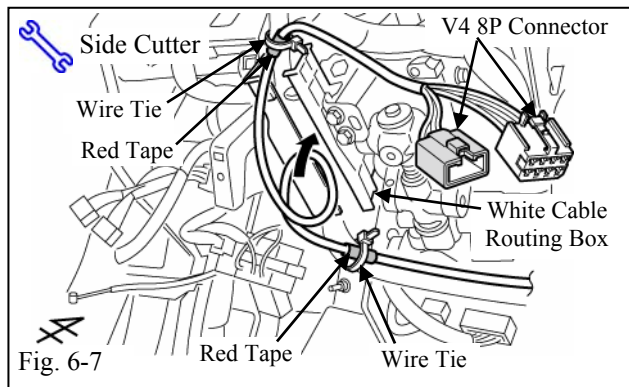
- (i) Secure the V4 Harness to the Vehicle Harness with 2 Wire Ties as shown. (Fig. 6-5)



- (j) Open up the White Cable Routing Box. (Fig. 6-6)



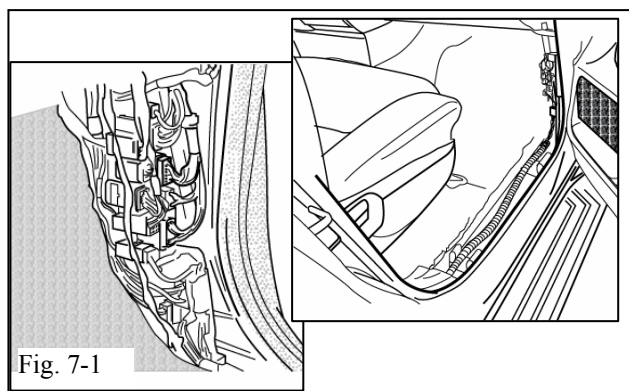
NOTE: Do not damage the clips excessively. They will discolor slightly but should not be broken.

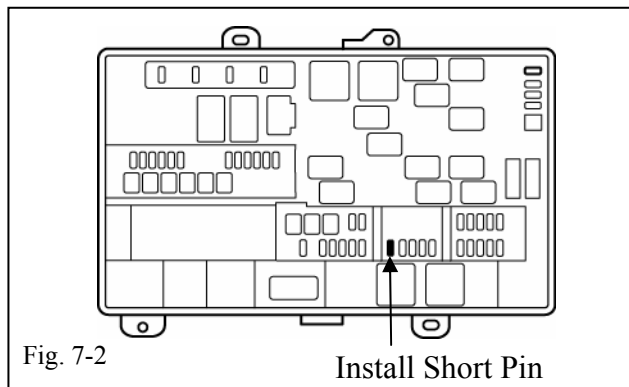


- (k) Locate and secure the V4 Harness's 2 Red Tape Markers to the Vehicle Harness using 2 Wire Ties as shown. (Fig. 6-7)
- (l) Loop the V4 Harness once inside of the White Cable Routing Box. (Fig. 6-7)
- (m) Close the White Cable Wire Routing Box. (Fig. 6-8)
- (n) Locate and disconnect the Vehicle's White 8P Ignition Connector. (Fig. 6-8)
- (o) Plug in the V4 Harness's 8P Connectors between the Vehicle Harness's 8P Connector and the Ignition Switch Connectors. (Fig. 6-8)
- (p) Use 1 Wire Tie to secure the 8P Connectors to the Vehicle Harness. (Fig. 6-9)
- (q) Use 2 Wire Ties to secure the V4 Harness to the Vehicle Harness. (Fig. 6-9)
- (r) Use 1 Wire Tie to secure the White Cable Routing Box as shown. (Fig. 6-9)

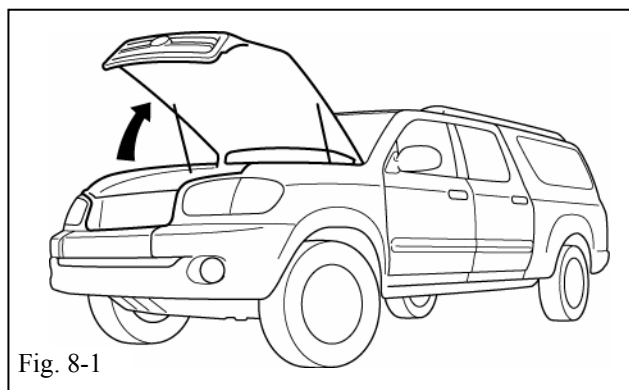
7. Partial Reassembly.

- (a) Reassemble the Vehicle, except for the Passenger's Cowl Cover, and Step Cover. (Fig. 7-1)
- (1) Reconnect any disconnected Connectors.





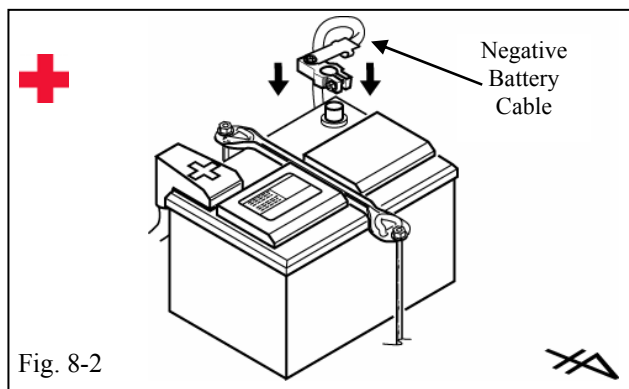
- (b) Verify that the Short Pin is installed.
(Fig. 7-2)
- (1) If not Install.



8. Registration. (steps. a-w)

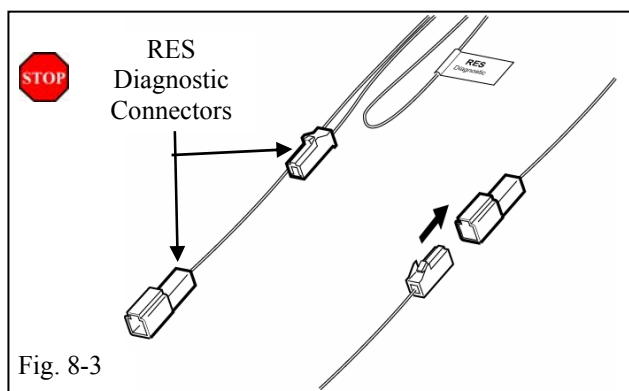
NOTE: Refer to “Addendum I” for additional information.

- (a) Open the Hood. (Fig. 8-1)



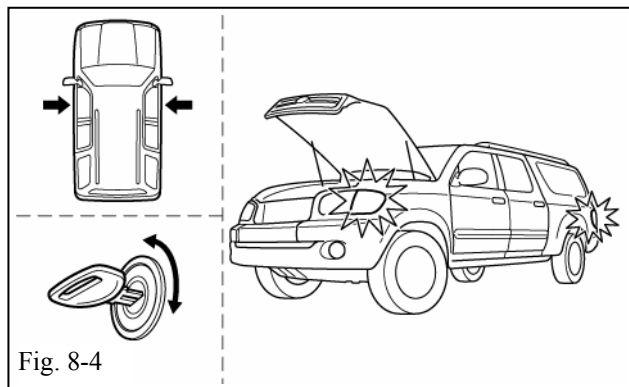
- (b) Temporarily reconnect the Vehicle’s Negative Battery Cable. (Fig. 8-2)

CAUTION: Do not touch the positive terminal.

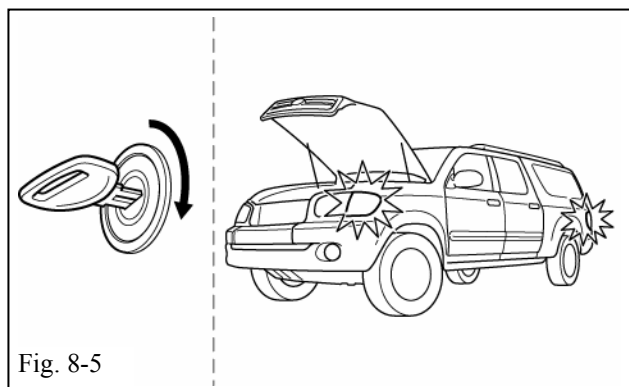


- (c) Locate and disconnect the Tape securing the V4 Harness’s 1P Female RES Diagnostic Connector in the Passenger’s Side Cowl Area and connect it to the 1P Male Connector.
(Fig. 8-3)

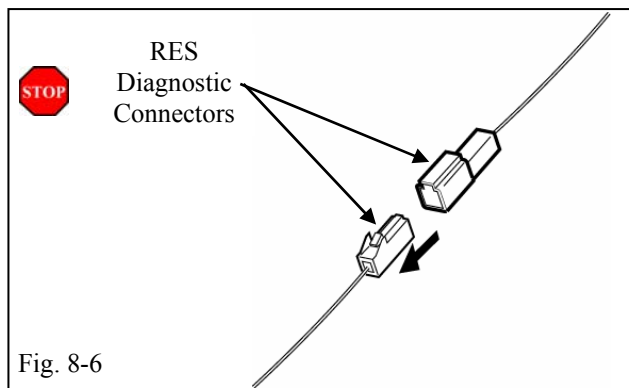
NOTE: Once connected you will have 10 minutes to complete steps d-t.



- (d) Close all Doors. (Fig. 8-4)
 - (1) Do not close the Hood.
- (e) Insert the Key into the Ignition. (Fig. 8-4)
- (f) Turn it from "OFF" to "ON" 5 times. (Fig. 8-4)
 - (1) The Hazard Lights flash 1 time.
- (g) Turn the Key to the "OFF" position.

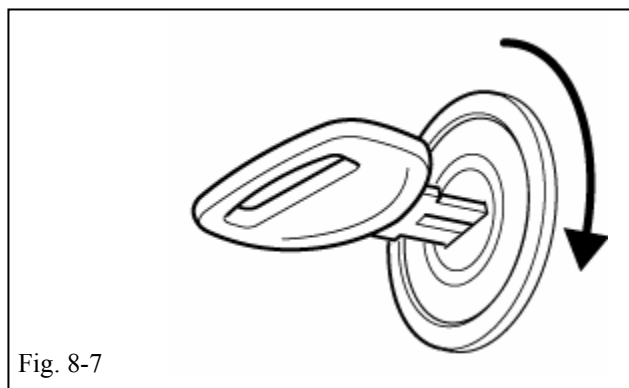


- (h) Start the Engine. (Fig. 8-5)
- (i) After 10 seconds stop the Engine. (Fig. 8-5)
 - (1) The Hazard Lights flash 1 time.

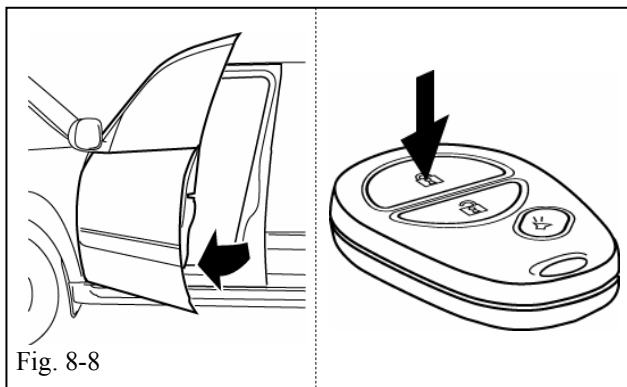


If this procedure failed, the Hazard Lights flash 2 times.

- Disconnect the V4 Harness's White 1P Connectors in the Passenger's Side Cowl Area. (Fig. 8-6)
- Start again from step c.



- (j) Insert the Key into the Ignition and turn it to the "ON" position. (Fig. 8-7)
- (k) Turn the Key to the "OFF" position and remove it from the Ignition.



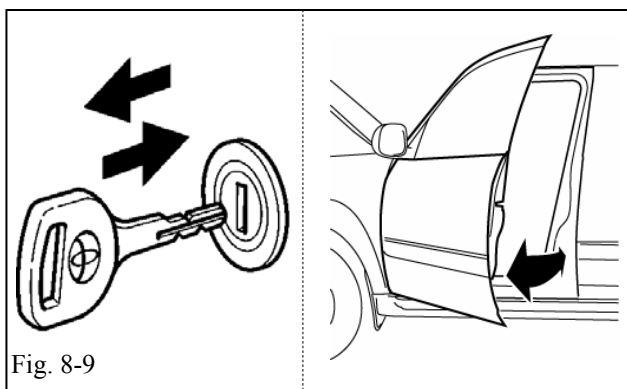
(l) Open the Driver's Door. (Fig. 8-8)



NOTE: Once open, you have 20 seconds to complete steps m-p.

(m) Using the Remote, press the Lock Button twice within 2 seconds. (Fig. 8-8)

(n) Press and hold the Lock Button for 4 seconds. (Fig. 8-8)



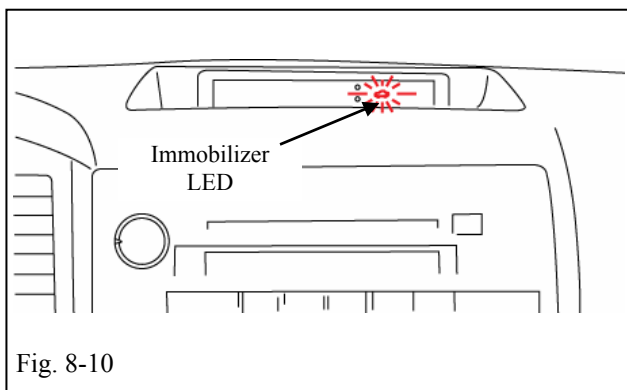
(o) Insert the Key into the Ignition. (Fig. 8-9)

(p) Remove and insert the Key into the ignition 6 times. (Fig. 8-9)

(q) Close the Driver's Door. (Fig. 8-9)

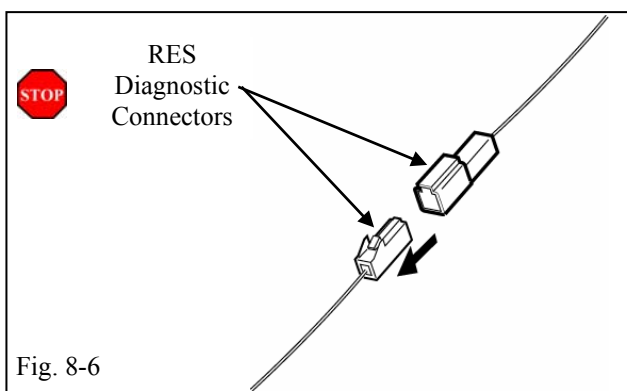
(r) Open, and close the Driver's Door 7 times. (Fig. 8-9)

(1) Complete this step within 35 seconds.



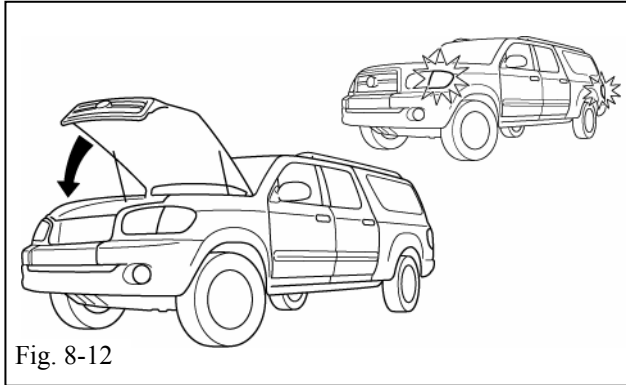
(s) If registration was successful, the Immobilizer LED will light up for 1 second, and turn off. (Fig. 8-10)

(t) After the light is off for 1 second, the LED will light up again and stay on until the Key is removed from the Ignition. (Fig. 8-10)



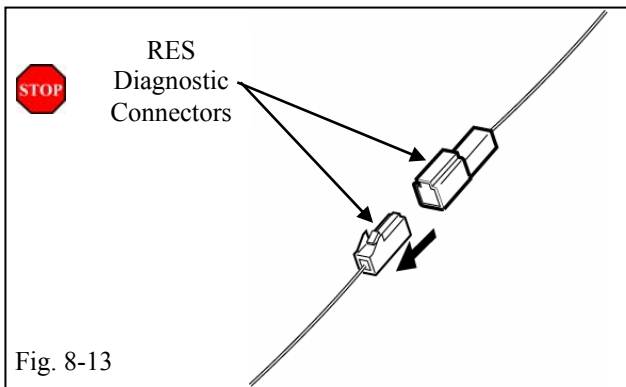
If this procedure failed, registration has failed.

- Disconnect the V4 harness's White 1P Connector from the Passenger Side Cowl Area. (Fig. 8-11)
- Start again from Step (c).



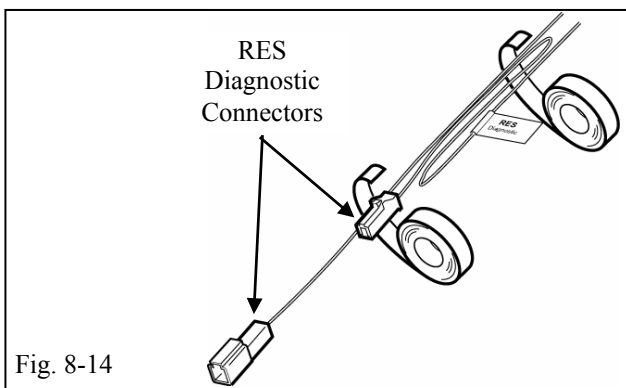
(u) Close the Hood. (Fig. 8-12)

- (1) The Hazard Lights flash twice. Registration is complete.



If this procedure failed, the Hazard Lights flash 3 times.

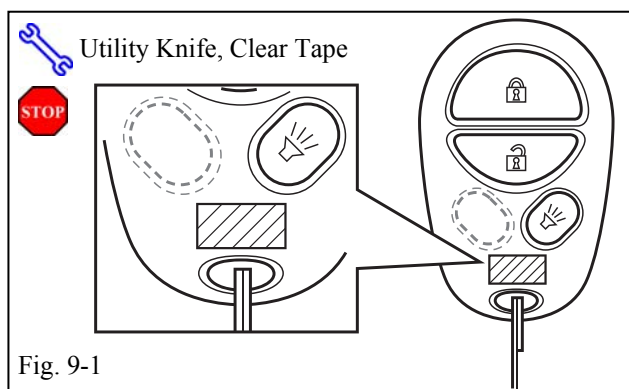
- Disconnect the V4 Harness's White 1P Connector in the Passenger's Side Cowl Area. (Fig. 8-13)
- Start again from Step (c).



- (v) After a Successful Registration disconnect the V4 Harness's White 1P Connectors. (Fig. 8-14)
- (w) Secure the V4 Harness and 1P Connectors with Electrical Tape as shown. (Fig. 8-14)
- (x) Remove the Key from the Ignition Switch.

9. Tags and Label Installation.

- For US Vehicles use the English Labels and discard the Spanish Labels.
- For Mexico Vehicles use the Spanish Labels and discard the English Labels.



- (a) Remove 2 of the Remote Controls from its protective bags. (Fig. 9-1)

(1) Use a Utility Knife, to cut a slit in each bag.

- (b) Using 3M™ Prep Sol-70 and Cleaning Method, clean the area indicated on the Remote Controls. (Fig. 9-1)

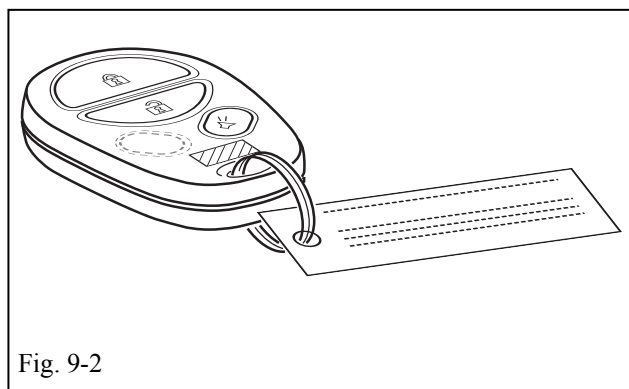
(1) Do not allow cleaner to air dry.

- (c) Attach the Key Labels to the Remote Controls as shown. (Fig. 9-1)

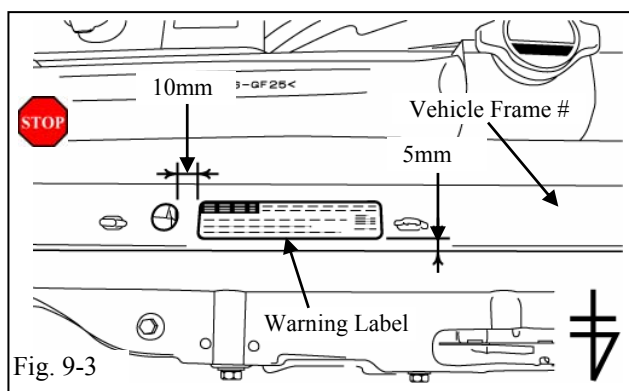
(1) Use a piece of clean adhesive tape to lift the Labels off their protective backing.



CAUTION: Do not touch the adhesive surface.



- (d) Attach the Key Tags to the Vehicle Remotes. (Fig. 9-2)

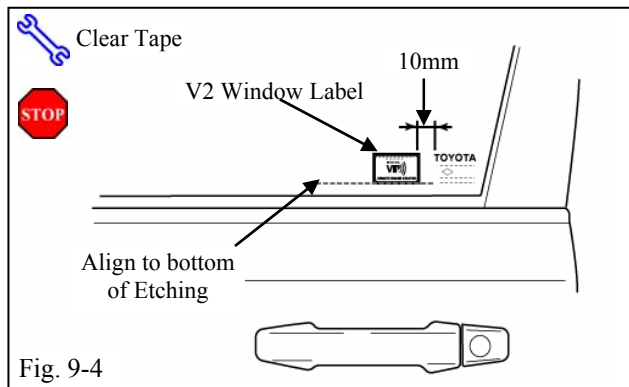


- (e) Using 3M™ Prep Sol-70 and Cleaning Method, clean the area indicated on the Engine Compartment Cover. (Fig. 9-3)

- (f) Attach the Warning Label to the Engine Compartment Cover on the left hand side as shown. (Fig. 9-3)



CAUTION: Do not touch the adhesive surface.

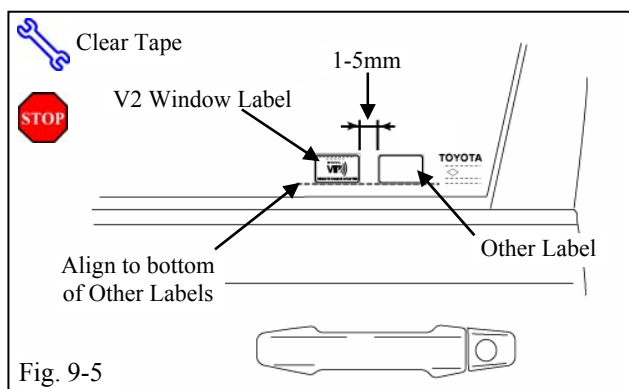


- (g) Using Household Glass Cleaner, clean the inside of the Front Door Windows. (Fig. 9-4)
- (h) Place the Warning Labels on the inside of the Front Door Windows as shown. (Fig. 9-4)
- (1) Use a piece of clean adhesive tape to lift the Labels off their protective backing.



CAUTION: Do not touch the adhesive surface.

- (2) Line up the labels properly. Do not attempt to reposition the Labels once they are placed.



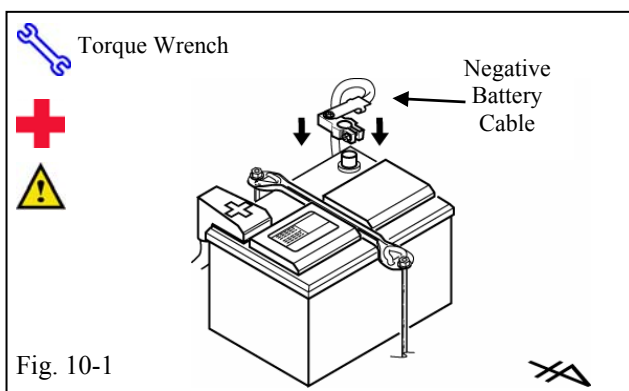
NOTE: If Labels are being installed with other Window Labels align them as shown in Fig. 9-5.

10. Completing the Installation.

- (a) Complete the reassembly of the vehicle.
 - (1) Verify the panels fit together properly, with no uneven gaps.
- (b) Position the Negative Battery Cable at the original factory position. (Fig. 10-1)
 - (1) Tighten the Nut to 36 in•lbf (4.07 N•m)



CAUTION: Do not touch the positive terminal.



- (c) Clean up and remove any Trash.
- (d) Sealed in its protective bag, place the Owner's Guide in the Glove Box.
- (e) Reset the Power Windows.
 - (1) Turn Ignition Key to the "ON" position.
 - (2) Push down the Power Window Switches, and lower the windows halfway.
 - (3) Pull up the switches until the windows close
 - (4) Continue holding up on the switches for a minimum of 1 second.

Accessory Function Checks

Close the hood, place the shift lever in the “P” (parking) position, set the parking brake, remove the key from the ignition, close all doors, and exit the vehicle.

1	Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds.	The hazard lights flash after 3 seconds. The engine starts. The hazard lights flash repeatedly for 20 seconds.
2	Press the remote control’s unlock button.	The engine stops. The hazard lights flash twice.
3	Start the Vehicle again using the remote. With the engine running, press and hold the remote control’s lock button 2 seconds.	Refer to Step 1. The engine stops. The hazard lights flash once.
4	Start the Vehicle again using the remote. Unlock the doors with the key.	Refer to Step 1. The engine stops. The hazard lights flash once.

Enter the vehicle and close all doors.

5	Start the Vehicle again using the remote. With the engine running, manually unlock any door with the inside lock switch.	Refer to Step 1. The engine stops. The hazard lights flash once. The security alarm triggers. (if equipped)
6	Start the Vehicle again using the remote. With the engine running, push down on the accelerator until the engine speed exceeds 3000 RPMs.	Refer to Step 1. The engine stops. The hazard lights flash once.
7	Start the Vehicle again using the remote. With the engine running, push on the foot brake.	Refer to Step 1. The engine stops. The hazard lights flash once.
8	Start the Vehicle again using the remote. With the engine running, insert the key into the ignition switch.	Refer to Step 1. The engine stops. The hazard lights flash once
9	Move the shift lever out of “P” (Park). Attempt to start the Vehicle using the remote.	The engine does not start.
10	Start the Vehicle again using the remote. With the engine running, pull the hood release handle.	Refer to Step 1. The engine stops. The hazard lights flash once. The security alarm triggers. (if equipped)

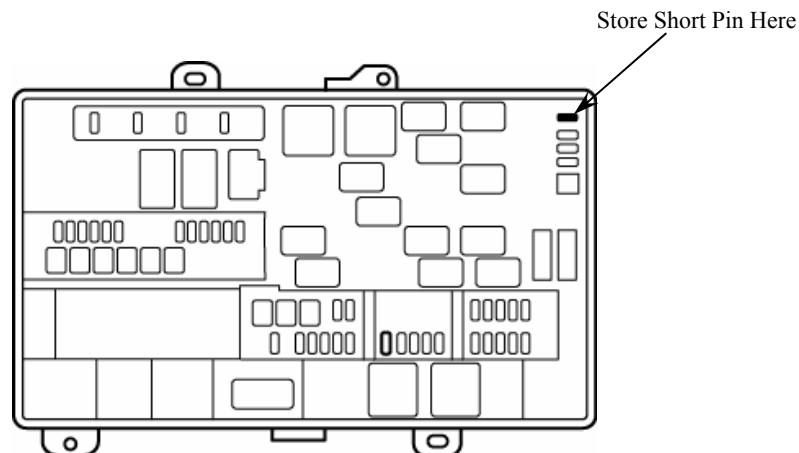
Vehicle Function Check

	Function		Function
<input type="checkbox"/>	Head Light	<input type="checkbox"/>	ABS Light (if equipped) <i>If the warning light remains on, it may indicate a system malfunction.</i>
<input type="checkbox"/>	High Beams	<input type="checkbox"/>	Rear Wiper/Washer (if equipped)
<input type="checkbox"/>	Turn Signal Lights	<input type="checkbox"/>	Clock (if equipped)
<input type="checkbox"/>	Tail Lights	<input type="checkbox"/>	Accessory Power Socket (if equipped)
<input type="checkbox"/>	Stop Lights	<input type="checkbox"/>	Starter
<input type="checkbox"/>	Backup Lights	<input type="checkbox"/>	Audio/Video (if equipped)
<input type="checkbox"/>	Hazard Lights	<input type="checkbox"/>	Power Sliding Door (if equipped)
<input type="checkbox"/>	Marker Lights	<input type="checkbox"/>	Convenience Memory Settings (if equipped)
<input type="checkbox"/>	Dome/Courtesy Lights	<input type="checkbox"/>	Heated Seats (if equipped)
<input type="checkbox"/>	Panel/Switch Illumination	<input type="checkbox"/>	Massage Seats (if equipped)
<input type="checkbox"/>	Accessory Controls/Illumination (if equipped)	<input type="checkbox"/>	Rear Window Defogger (if equipped)
<input type="checkbox"/>	Key Sensor Buzzer	<input type="checkbox"/>	Power Side Mirrors (if equipped)
<input type="checkbox"/>	Fog Lights (if equipped)	<input type="checkbox"/>	Side Mirror Defogger (if equipped)
<input type="checkbox"/>	Daytime Running Lights (if equipped)	<input type="checkbox"/>	Front Windshield Defogger (if equipped)
<input type="checkbox"/>	Trunk/Tailgate/Bed Lights (if equipped)	<input type="checkbox"/>	Navigation System (if equipped)
<input type="checkbox"/>	Glove Box Light (if equipped)	<input type="checkbox"/>	Rear Sunshade (if equipped)
<input type="checkbox"/>	Cruise Control Light (if equipped)	<input type="checkbox"/>	Steering Wheel Audio Control (if equipped)
<input type="checkbox"/>	Seat Belt Warning Light <i>If the warning light remains on, it may indicate a system malfunction.</i>	<input type="checkbox"/>	Steering Wheel Column Adjusts Without Interference VERIFY: that the connectors stay connected and there is no strain on the Harnesses.

	Function		Function
<input type="checkbox"/>	Air Bag Warning Light <i>If the warning light remains on, it may indicate a system malfunction.</i>	<input type="checkbox"/>	Lamp Failure Sensor <i>If the warning light remains on, it may indicate a system malfunction.</i>
<input type="checkbox"/>	Track/Skid Control Light (if equipped) <i>If the warning light remains on, it may indicate a system malfunction.</i>	<input type="checkbox"/>	Front Wiper/Washer
<input type="checkbox"/>	HVAC	<input type="checkbox"/>	Hood Latch Release
<input type="checkbox"/>	Power Locks (if equipped)	<input type="checkbox"/>	Passenger Air Bag Switch (if equipped)
<input type="checkbox"/>	Power Windows (if equipped)	<input type="checkbox"/>	Rollover Side Curtain Air Bag Switch (RSCA) (if equipped)
<input type="checkbox"/>	Power Seats (if equipped)	<input type="checkbox"/>	Tire Pressure Monitoring System (TPMS). <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>
<input type="checkbox"/>	Horn		
<input type="checkbox"/>	Gauges		
<input type="checkbox"/>	Sunroof (if equipped)		

Remove the short pin after Function check.

Check with your Port/Dealer to see if this step is necessary.



TIPS FOR REMOTE ENGINE STARTER (RES) REGISTRATION PROCEDURE

1. **SLOW DOWN** this is the best thing you can do. The procedure is difficult and long but there is plenty of time to do everything.
When turning the key, inserting the key or pressing the remote make your action rhythmic like a clock. Slow and deliberate.
2. **READ** these instructions and the instructions supplied in the *Vehicles V4 Installation Instructions* completely before attempting Registration.
3. **ASK** someone else to read these steps to you while you perform the procedure. This will help you remember what needs to be done next without having to look back at the Instructions.
4. **PROBLEMS** if you've failed to Register the Vehicle several times RESET the Vehicle. Start by disconnecting the RES Diagnostic Connectors. Then disconnect the Vehicle Battery. Next turn the Vehicles Ignition Switch to ON and then back to OFF.
Now **TAKE A BREAK** let you and the Vehicle de-stress for about 10 minutes. This will allow the RES ECU's to completely RESET and give you a fresh start to try Registration.

REMOTE ENGINE STARTER (RES) REGISTRATION PROCEDURE
-----For vehicles w/o Smart Entry and w/Immobilizer-----

1. **OPEN** the Hood
2. **VERIFY** that the Short Pin is in the Appropriate location (*disconnect the Battery if you need to move the Short Pin*)
3. Temporarily **CONNECT** the Negative Battery Terminal
4. **OPEN** the Passenger Front Door
5. **LOCATE** the 1P RES Diagnostic Connectors in the Right Kick Panel.
6. **CONNECT** the 1P RES Diagnostic Connectors together
7. **CLOSE** all Doors (LEAVE THE HOOD OPEN)
8. **INSERT** a MASTER (Black) Immobilizer Key into the Ignition Switch (*use this key for the entire process*)
9. **TURN** the Key from LOCK to ON five (5) times, ending in the ON position
10. **LOOK** for the Hazard Lights to flash ONCE
11. **TURN** the Ignition Switch to the OFF position
12. **START** the Engine and allow to idle for at least 10 seconds
13. **TURN** the Ignition Switch to the OFF position.
14. **LOOK** for the Hazard lights to flash ONCE. *If they do not flash or they flash TWICE, disconnect the 1P RES Diagnostic Connectors and start over from Step 6.*
15. **TURN** the Key to the ON position and back to the OFF position
16. **REMOVE** the Key from the Ignition Switch
17. **OPEN** the Driver's Door
18. Using a Remote Control, **PRESS** the LOCK button TWICE and then a THIRD time and HOLD it for 4 seconds
19. **INSERT** the key into the Ignition Switch.
20. **REMOVE** and **INSERT** the Key 6 times.
21. **CLOSE** the Driver's Door
22. **OPEN** and **CLOSE** the Driver's Door seven (7) times, ending in the CLOSED position. THIS STEP NEEDS TO BE COMPLETED WITHIN 35 SECONDS OF INSERTING THE KEY INTO THE IGNITION (step 21)
23. **LOOK** for the IMMOBILIZER LED to turn on for one (1) second then go OFF
24. **WAIT** one (1) second
25. **LOOK** for the IMMOBILIZER LED to turn ON again and stay on
26. **REMOVE** the Ignition Key.
27. **LOOK** for the IMMOBILIZER LED to turn OFF
28. **CLOSE** the Hood
29. **LOOK** for the Hazard lights to flash TWICE to confirm Registration.
If the Hazard lights flash THREE times Registration was NOT successful (Start over from step 6)
30. **UNPLUG** the 1P RES Diagnostic Connector.

