

Part Number: 08586-OC910

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

Conflicts

Do not install into vehicles without RKE systems.

Recommended Sequence of Application

Item #	Accessory	
1	TVIP/RES	Any TVIP or RES system
2	XM Radio	

Kit Contents

Item #	Quantity	Description
1	1	Wire Harness
2	1	BUS 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	BUS ECU
3	5	Small Foam Tape Strips (1 per.)
4	20	Wire Ties
5	1	M6x18 Bolt
6	1	M6 Flange Nut
7	2	Window Warning Labels
8	2	Transmitter Labels
9	2	Key Label
10	1	Warning Label for Under Hood
11	1	Shift Tag
12	1	Owners Manual
13	2	Caps


Additional Items Required For Installation


Item #	Quantity	Description
1	1	Hood Switch Kit (08586-oc920) for vehicles without factory alarm. (1 V4 Hood Latch, 2 Nut Covers)
2	1	Black Electrical Tape


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, Flatblade Jewelers
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Side Cutters	
Torque Wrench	36 in•bf (40.67 n•cm)
Utility Knife	
Tape	Clear
Wrench	10mm
Socket	10mm, Extension
Special Chemicals	Notes
Cleaner	3M Prep Sol-70
Glass Cleaner	Household Windex


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

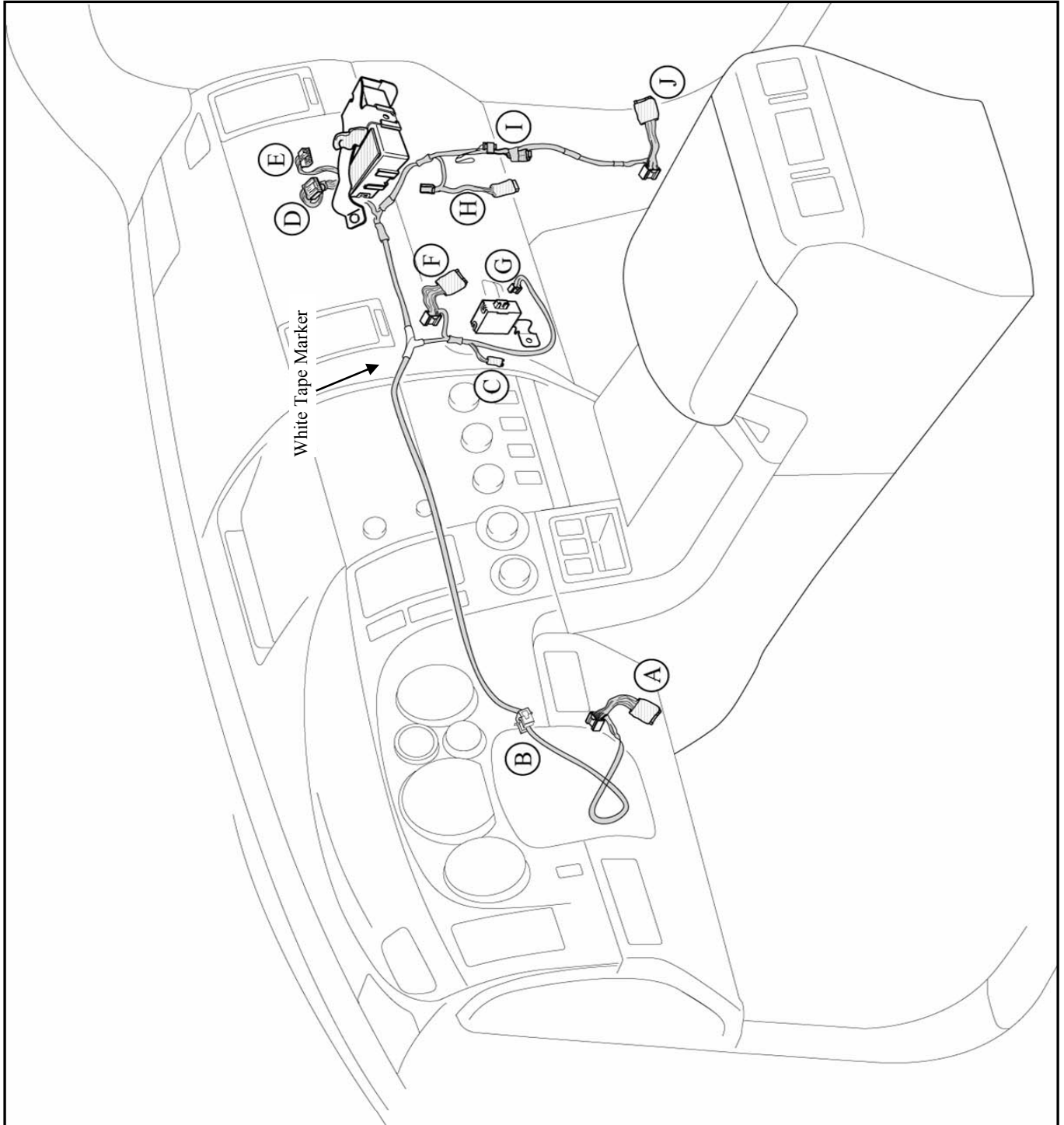
These guidelines can be found in the "Accessory Installation Practices" document.


This document covers such items as:

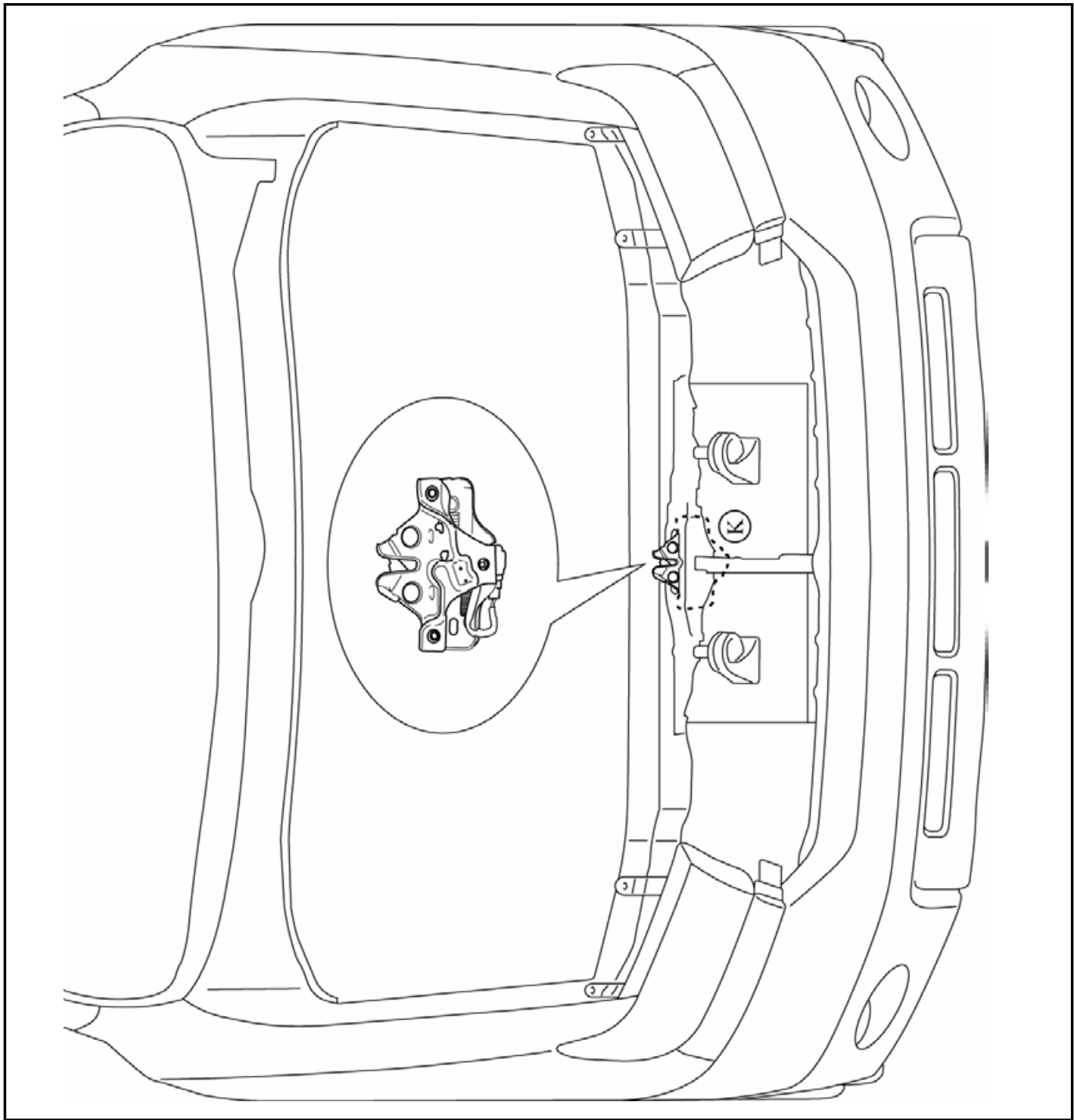
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.)
- Safety (eye protection, rechecking torque procedure, etc.)
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.)
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)

Please see your Toyota dealer for a copy of this document

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



Hood Latch w/switch for Vehicles without Factory Security Systems																				
																				

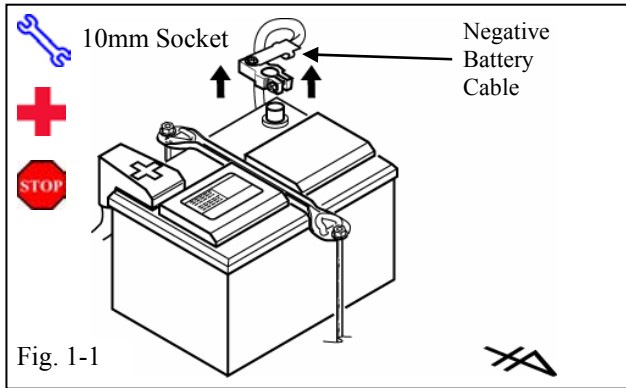


1. Vehicle Disassembly.

- +** (a) Vehicles with Automatic Transmission should be placed in Park and have the Parking Brake Set before disconnecting the Battery.

- (b) Fully extend the Steering Wheel's Tilt and Telescope positions.

- (c) Remove the Negative Battery Cable (Fig. 1-1)

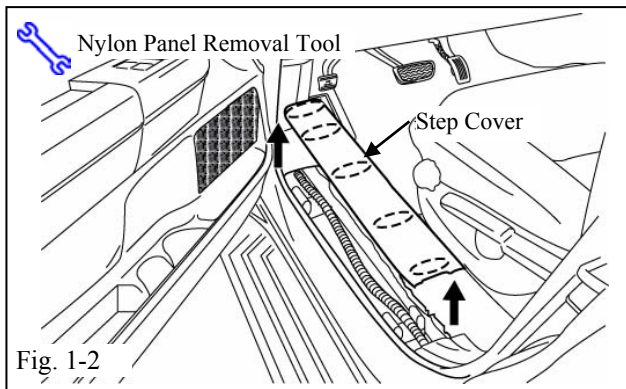


- (1) Protect the Fender before starting.
- (2) Note the Battery Cable position, as it will be re-installed in the same position.



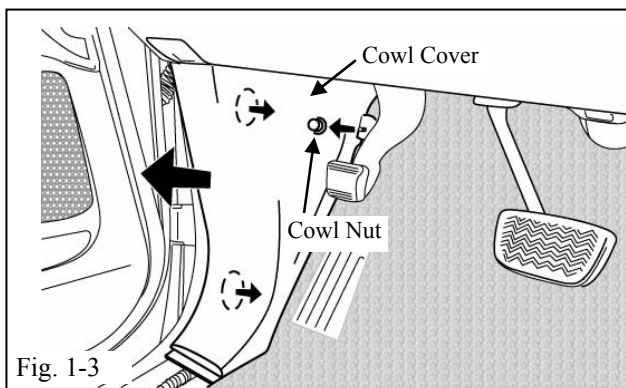
DO NOT TOUCH THE POSITIVE BATTERY TERMINAL.

- (d) Remove the Driver's Step Cover (Fig. 1-2)

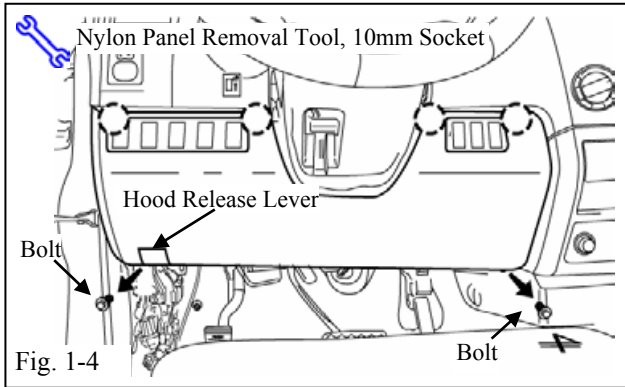


- (1) Begin by protecting the Vehicle Interior with Blankets.

- (e) Remove the Driver's Cowl Cover (Fig. 1-3)

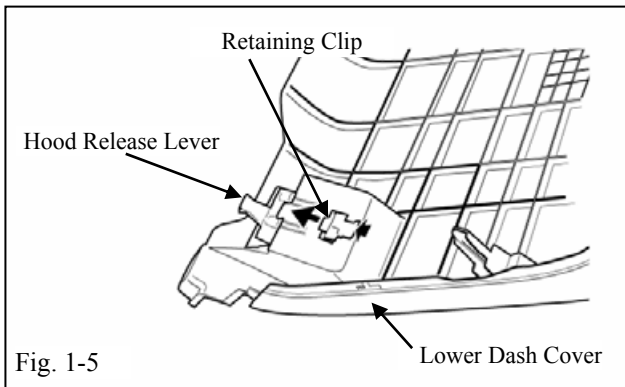


- (1) Remove 1 nut.



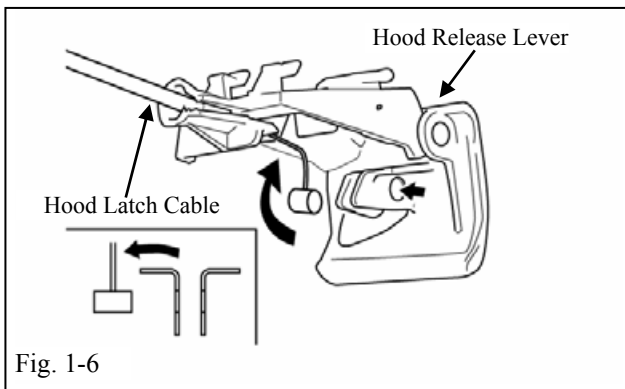
(f) Dislodge the Lower Dash Cover. (Fig. 1-4)

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



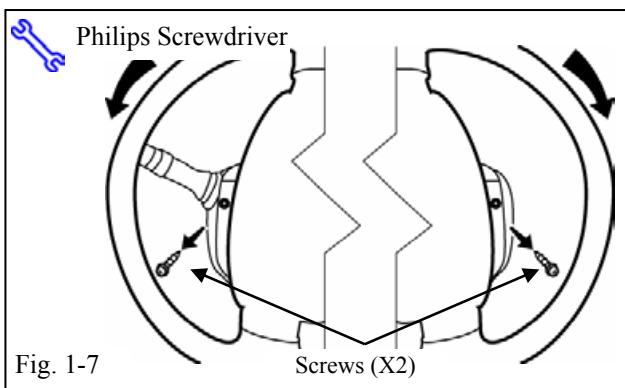
(g) Dislodge the Hood Latch Lever from the Lower Dash Cover. (Fig. 1-5)

- (1) Press down on the Retaining Clip while pushing the Lever out.



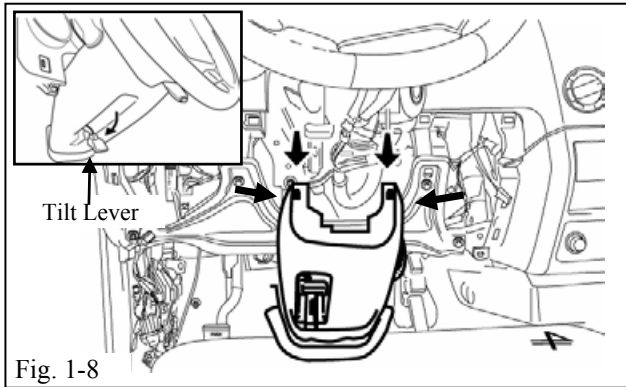
(h) Remove the Hood Latch Cable from the Hood Latch Lever. (Fig. 1-6)

(i) Remove the Lower Dash Cover.



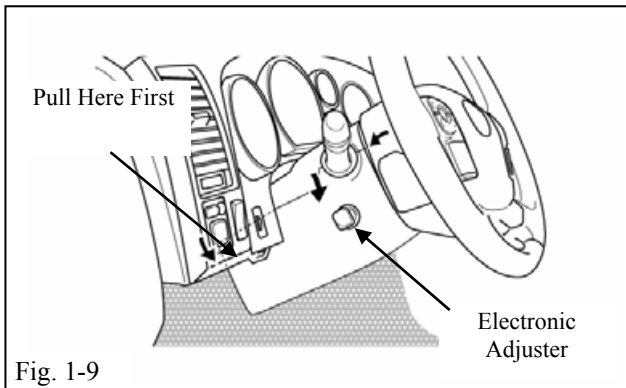
(j) Remove the 2 Screws that secure the Lower Steering Column Cover. (Fig. 1-7)

- (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)

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

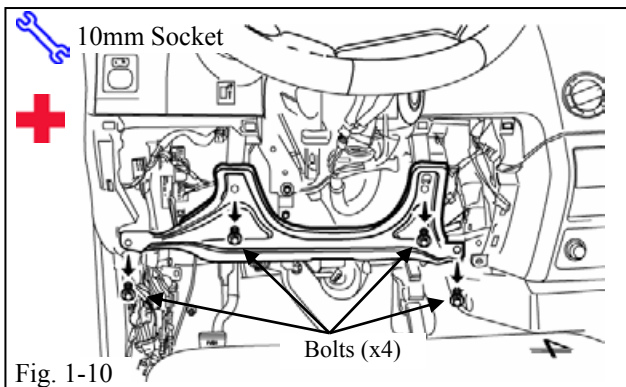


FOR USE ON VEHICLES WITH ELECTRONIC TILT ADJUST (steps m-n)

- (m) 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)
- (n) Pull out on the Top Left Corner of the Steering Column Cover to clear the Electronic Steering Column Adjuster Knob. (Fig. 1-9)



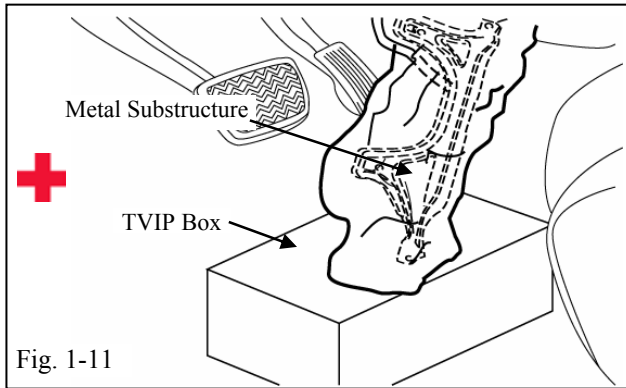
AVOID SCRATCHING THE VEHICLE.



- (o) Remove the Driver's Side Metal Substructure. (Fig. 1-10)
 - (1) Remove 4 Bolts.
 - (2) Remove the Vehicle's Diagnostic Connector from the Metal Substructure.

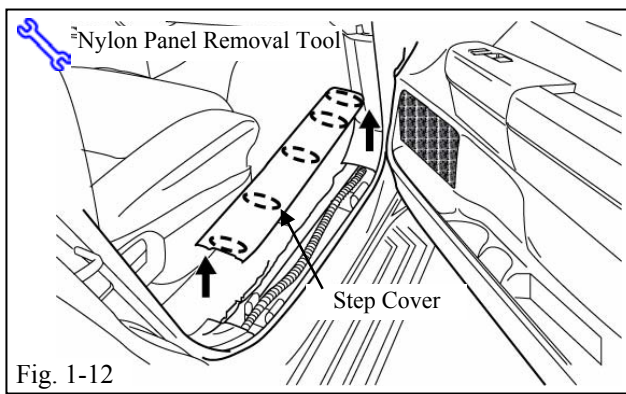


CAUTION: SHARP METAL EDGES.

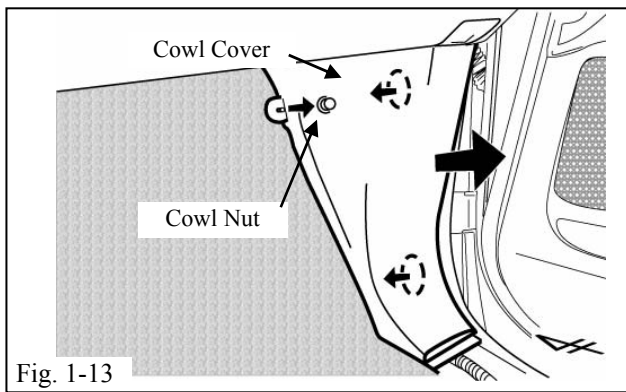


(p) Wrap the Metal Substructure in a blanket and use the TVIP Kit Box to support it. (Fig. 1-11)

CAUTION: SHARP METAL EDGES.

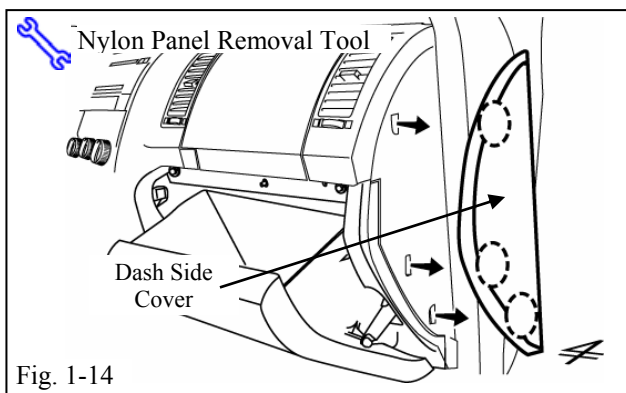


(q) Remove the Passenger's Step Cover (Fig. 1-12)



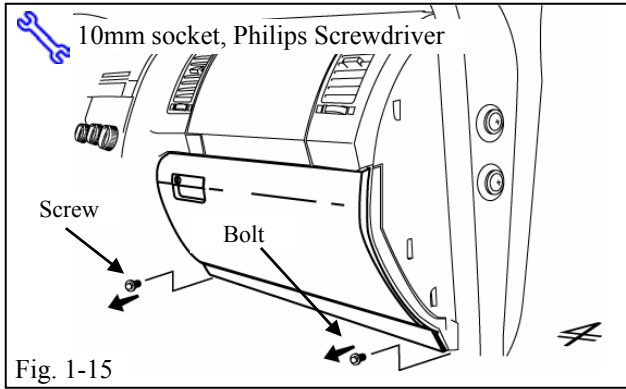
(r) Remove the Passenger's Cowl Cover (Fig. 1-13)

(1) Remove 1 Nut.



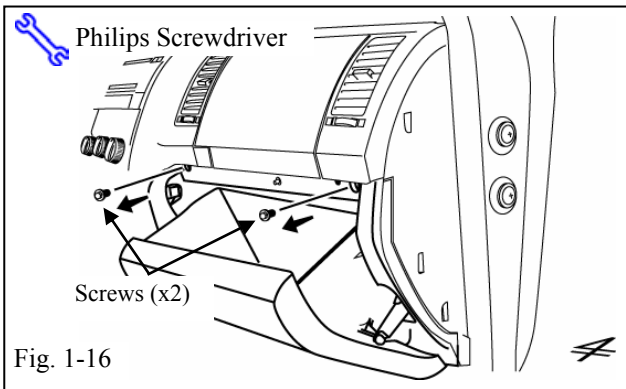
(s) Remove the Passenger's Dash Side Cover (Fig. 1-14)

(1) Open the Glove Box.



(t) Remove 1 Screw and 1 Bolt from the bottom of the Glove Box. (Fig. 1-15)

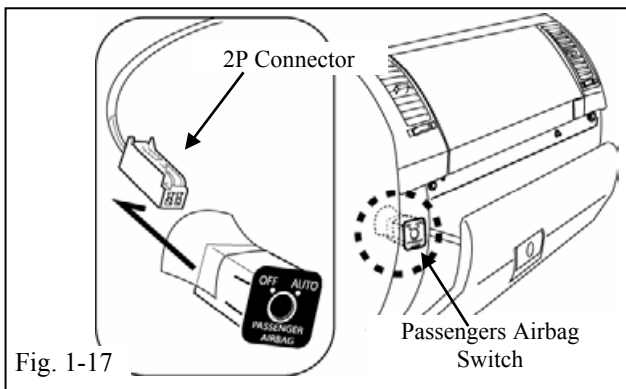
(1) Close the Glove Box.



(u) Remove the Glove Box. (Fig. 1-16)

(1) Open the Glove Box.

(2) Remove 2 Screws.

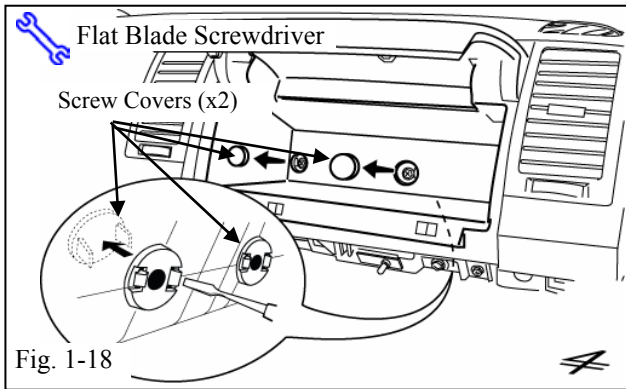


FOR USE ON B-CAB VEHICLES (step v)

STOP

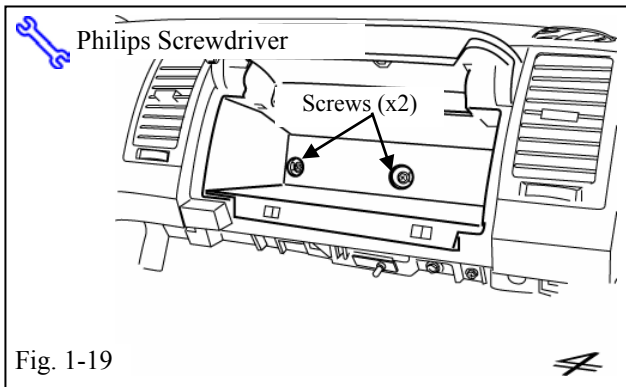
VERIFY THAT THE NEGATIVE BATTERY TERMINAL IS DISCONNECTED.

(v) Disconnect the Vehicle 2P Connector from the Passengers Airbag Switch. (Fig. 1-17)

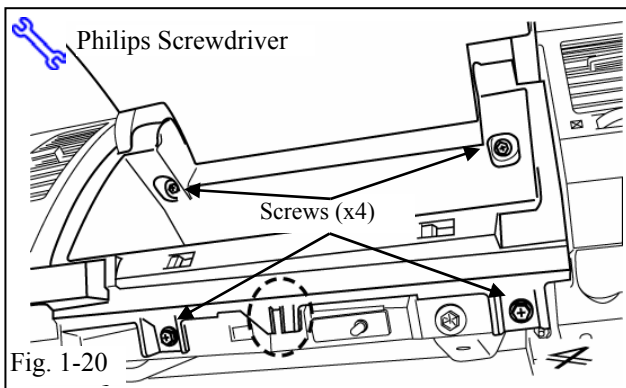


(w) Remove the 2 Screw Covers from the Upper Glove box. (Fig. 1-18)

- (1) Reach up behind the Top Glove Box and press in on the 2 Clips securing each cover in place.

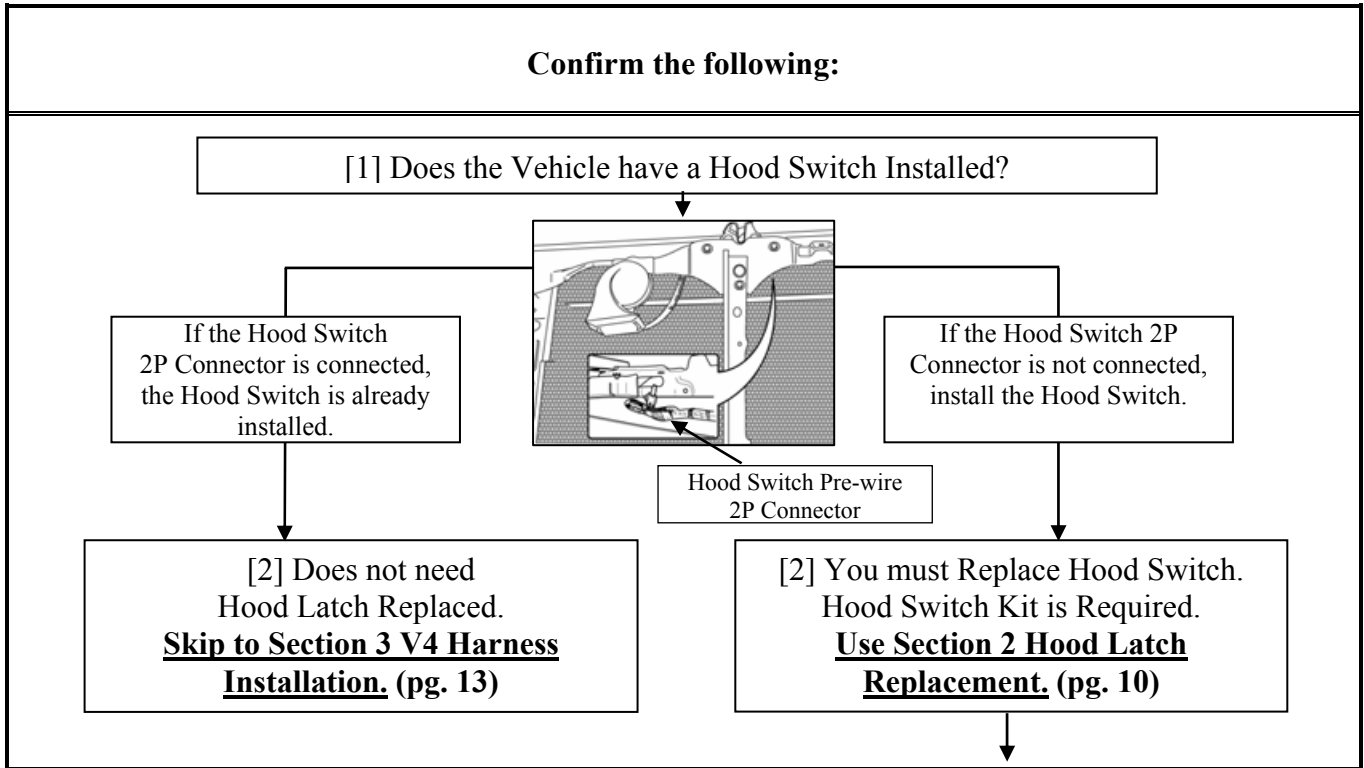


(x) Remove the 2 Screws at the back of the Top Glove Box. (Fig. 1-19)

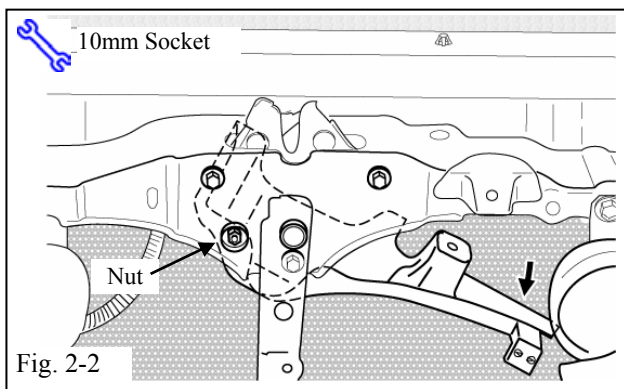
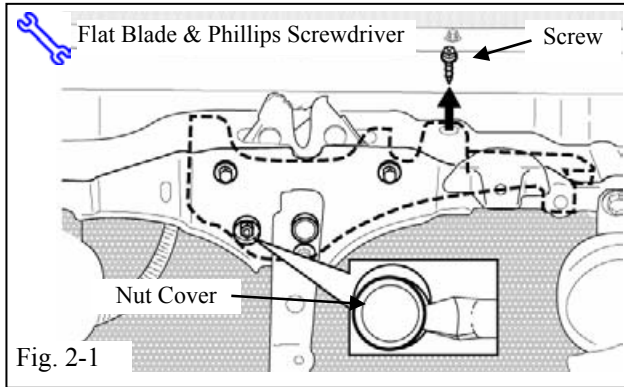


(y) Remove the Top Glove Box. (Fig. 1-20)

- (1) Remove 4 additional screws.



2. Hood Latch Replacement (steps a-o)



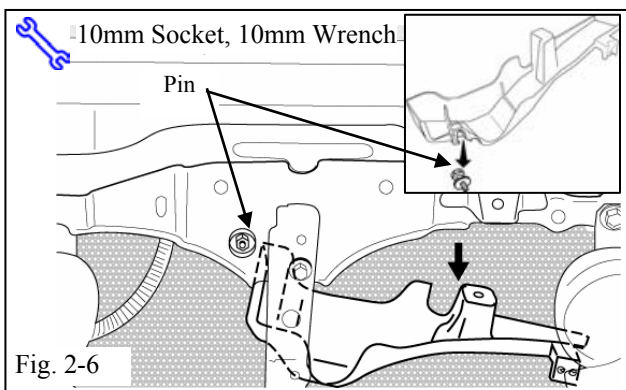
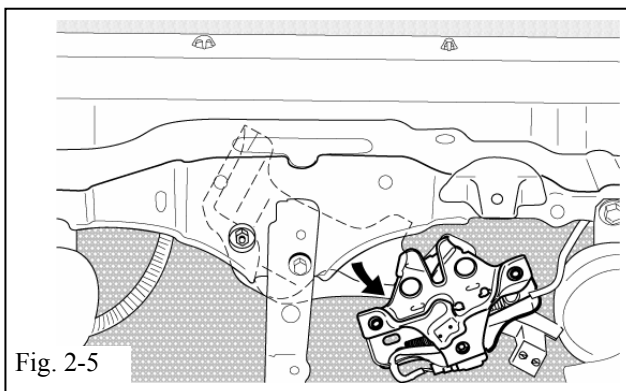
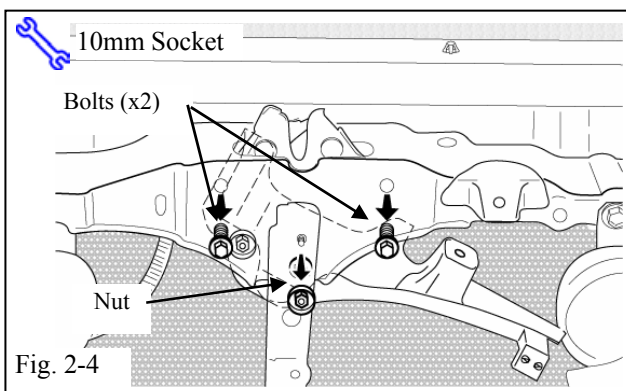
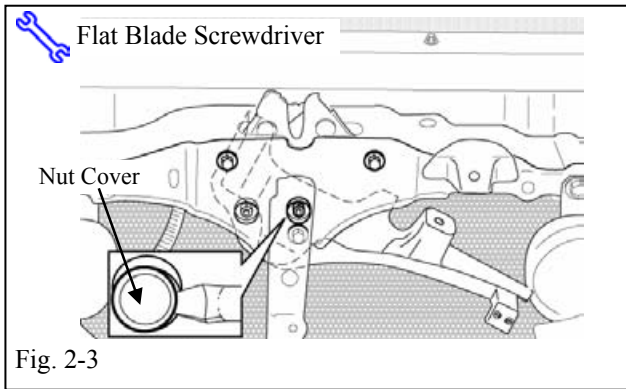
(a) Loosen the Plastic Cover from the Hood Latch Unit. (Fig. 2-1)

- (1) Remove 1 Screw from the Top.
- (2) Remove the Nut Cover.
- (3) Discard the Nut Cover.

(b) Angle the Plastic Cover downward. (Fig. 2-2)

- (1) Loosen 1 Nut.

CONTINUED



(c) Remove 1 Nut Cover. (Fig 2-3)

(1) Discard the Nut Cover.

(d) Remove the 2 Bolts and 1 Nut from the Hood Latch. (Fig 2-4)

(e) Slide the Hood Latch out. (Fig. 2-5)

(f) Remove the Plastic Cover. (Fig. 2-6)

(1) Push the Cover up to release it from the Pin.

(g) Remove the Pin. (Fig. 2-6)

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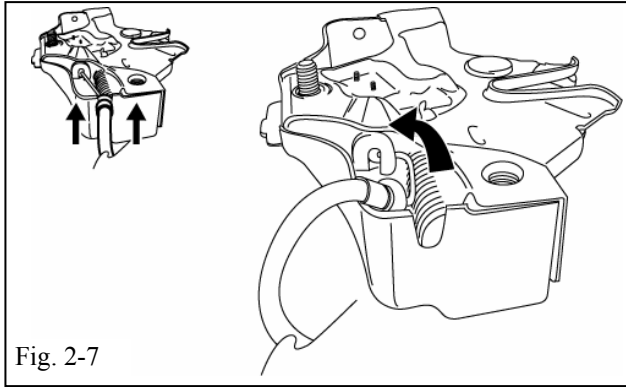


Fig. 2-7

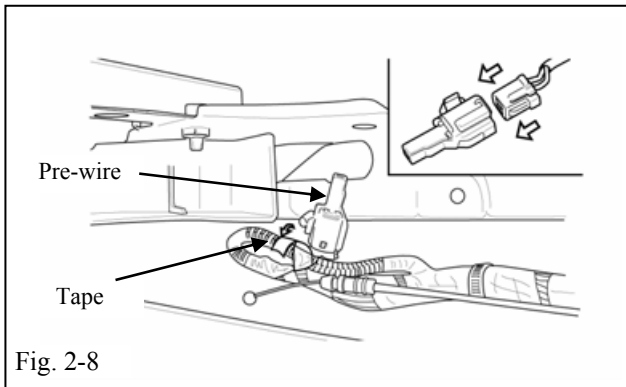


Fig. 2-8

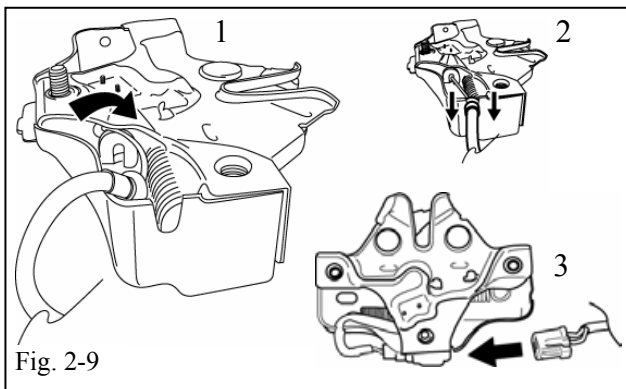


Fig. 2-9

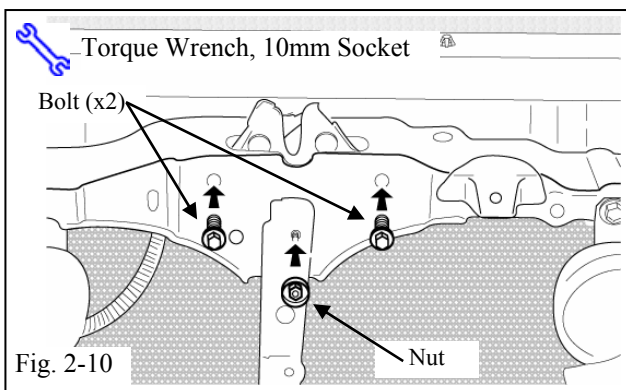


Fig. 2-10

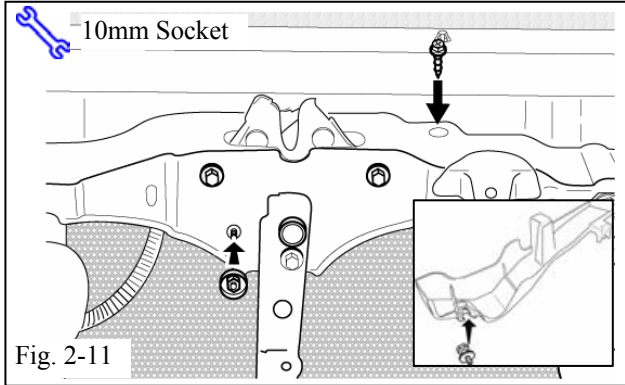
- (h) Disconnect the Vehicle Hood Latch from the Hood Latch Cable. (Fig. 2-7)
 - (1) Pull the Cable upwards and out of the notch in the Vehicle Hood Latch Casing.
 - (2) Use the Braided Cable to guide the Ball out of the Vehicle Hood Latch.
 - (3) Discard the Vehicle Hood Latch.

- (i) Locate the Hood Switch Pre-wire, Black 2P Connector, and remove the tape securing it. (Fig. 2-8)
- (j) Remove the Connector Cover from the Hood Switch Pre-wire. (Fig. 2-8)
 - (1) Discard the Connector Cover.

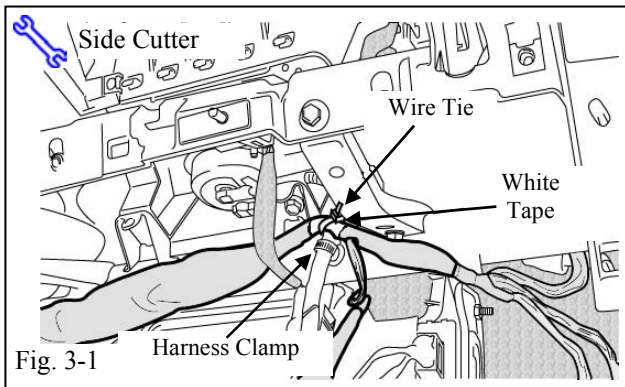
- (k) Connect the V4 Hood Latch to the Vehicle Hood Latch Cable. (Fig. 2-9)
 - (1) Use the Braided Cable to guide the Ball into the V4 Hood Latch Lever.
 - (2) Affix the Cables Shielding to the V4 Hood Latch Case by pressing it down into the Notch in the Case.
- (l) Connect the Black 2P Hood Switch Pre-wire to the V4 Hood Latch. (Fig. 2-9)
 - (1) Verify that the connector is secure.

- (m) Install the V4 Hood Latch. (Fig. 2-10)
 - (1) Tighten the Nut and Bolts to 71 in•lbf ± 25. (8.02 n•m ± 2.82)
 - (2) Replace the Nut Cover with 1 Nut Cover supplied in the kit.

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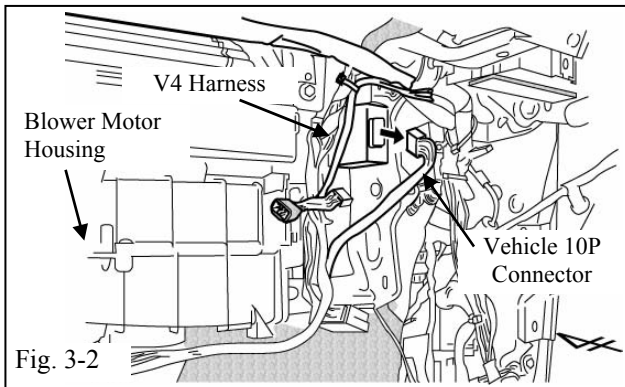


- (n) Insert the Pin into the plastic cover. (Fig. 2-11)
- (o) Reinstall the Plastic Cover. (Fig. 2-11)
 - (1) Replace the Nut Cover with 1 Nut Cover supplied in the kit.

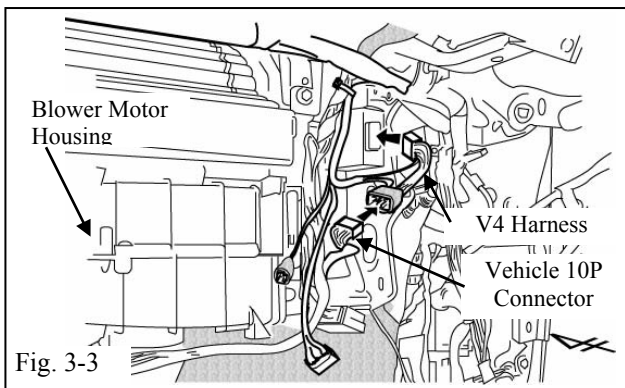


3. V4 Harness Installation (Passenger's Side)

- (a) Secure the White Taped Marker of the V4 Harness to the Vehicle Harness Clamp with 1 Wire Tie. (Fig. 3-1)



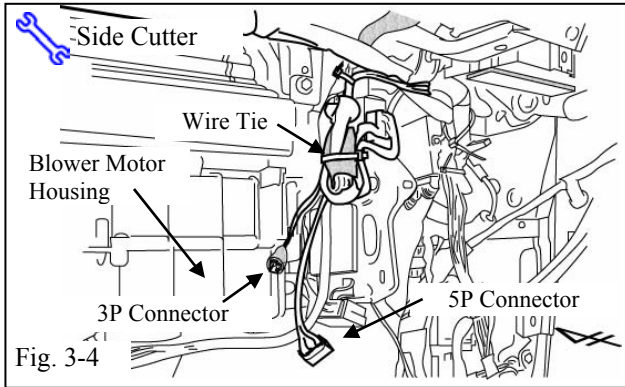
- (b) Disconnect the Vehicle's White 10P Connector from the Vehicle ECU located on the right side of the HVAC Center Duct. (Fig. 3-2)



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

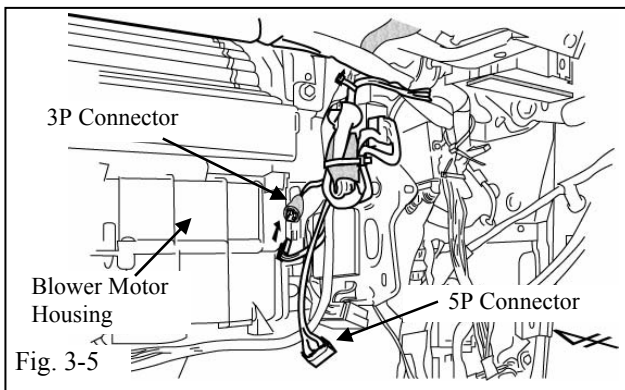


- (1) Verify secure connection.



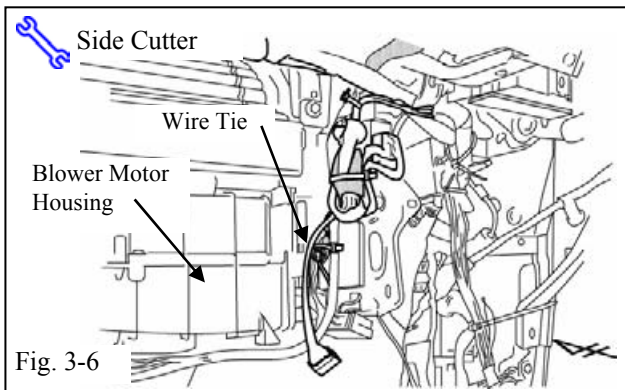
(d) Secure the 10P Connectors and V4 harness to the Vehicle Harness with 1 Wire Tie (Fig. 3-4)

(e) Route the V4 Harness's 3P and 5P Connectors down toward the HVAC Center Duct. (Fig. 3-4)



(f) Locate the vehicle's pre-wire White 3P Male Connector on the right side of the HVAC Center Duct. (Fig. 3-5)

(1) Connect the V4 Harness's 3P Connector to the Vehicle's White 3P Male Connector.



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

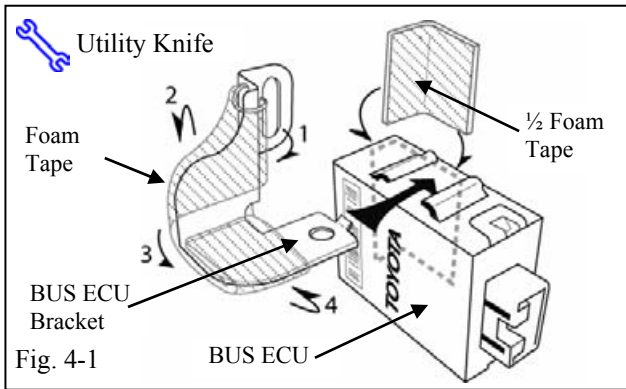


Fig. 4-1

4. BUS ECU Preparation and Installation.

(a) Cut 1 piece of Foam Tape in half. Apply it to the BUS ECU as shown. (Fig. 4-1)

(1) Do not discard the extra Foam Tape.

(b) Use 1 piece of Foam Tape to apply to the BUS ECU Bracket as shown. (Fig. 4-1)

(c) Insert the mounting bracket into the indicated bracket slot on the BUS ECU (Fig. 4-1)



(1) Ensure the bracket is firmly attached to the ECU.

(d) Remove 1 Bolt securing the Vehicle's Brace on the right side of the HVAC Center Duct. (Fig. 4-2)

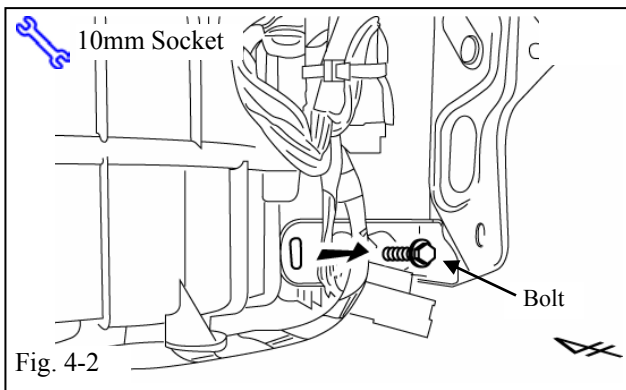


Fig. 4-2

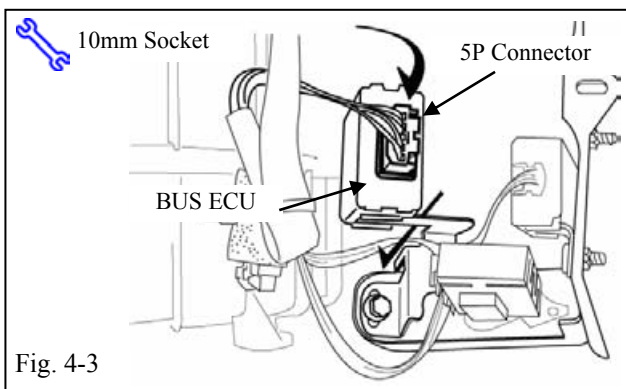


Fig. 4-3

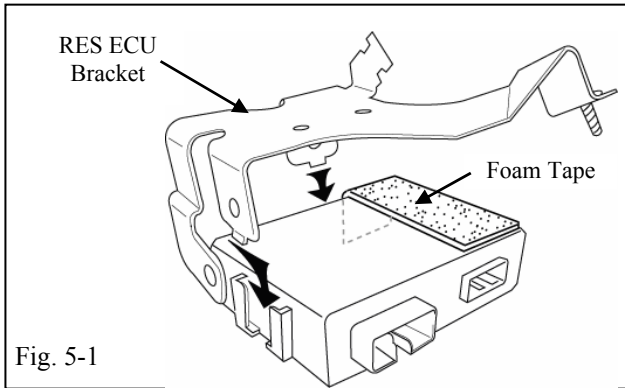
(e) Use the Bolt to secure the BUS ECU to the Vehicle Brace. (Fig. 4-3)

(1) Match the Mounting Bracket Notch with the edge of the Vehicle Brace.

(f) Connect the V4 Harness' White 5P Connector to the BUS ECU. (Fig. 4-3)

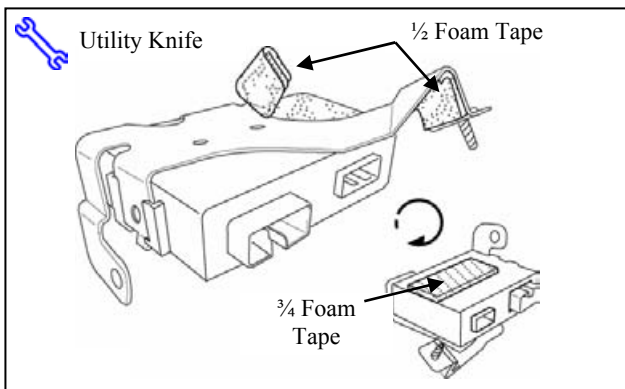


(1) Verify secure connection.

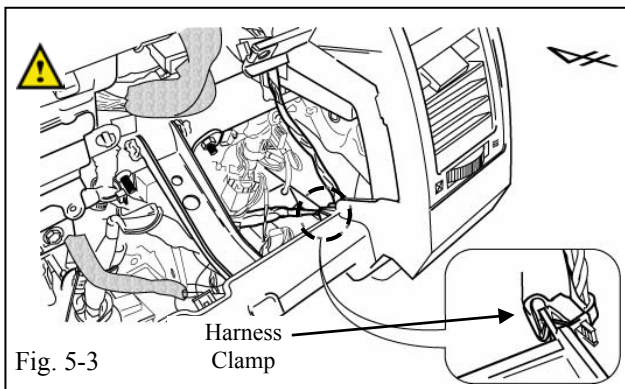


5. RES ECU Preparation and Installation

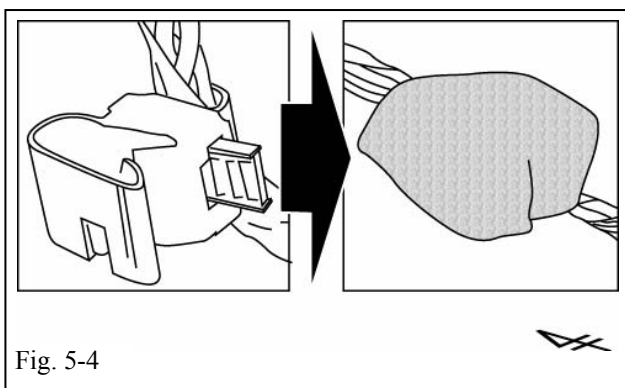
- (a) Apply 1 piece of Foam Tape to the RES ECU as shown. (Fig. 5-1)
- (b) Insert the Mounting Bracket into the indicated Bracket Slots on the RES ECU (Fig. 5-1)
 - (1) Ensure the Bracket is firmly attached to the ECU.



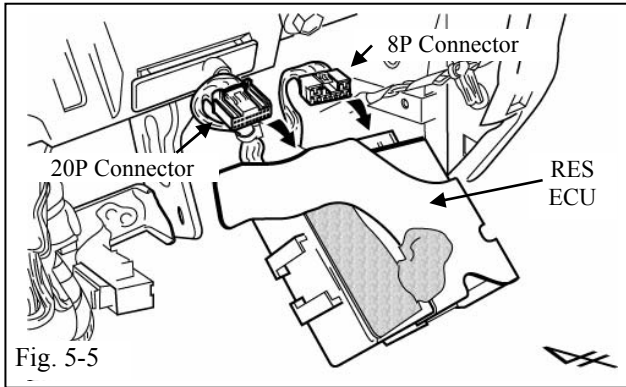
- (c) Cut 1 piece of Foam Tape in half. Affix this piece of Foam Tape to the ECU Bracket as shown. (Fig. 5-2)
 - (1) Do not discard the extra Foam Tape.
- (d) Cut and affix 3/4 of 1 piece of Foam Tape to the RES ECU as shown. (Fig. 5-2)
- (e) Using the Extra 1/2 of Foam Tape from Fig. 4-1 apply it to the ECU Bracket as shown.



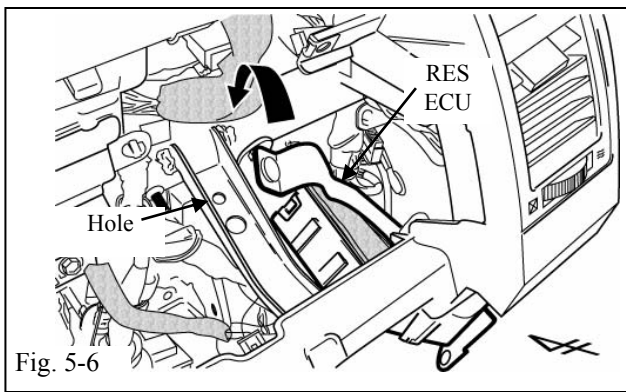
AVOID DAMAGING THE VEHICLE PARTS.



- (g) Wrap the Vehicle Harness Clamp with the piece of Foam Tape from step. (c) (Fig. 5-4)

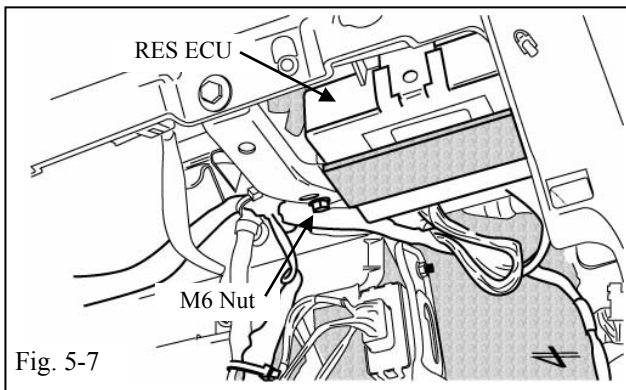


(h) Connect the V4 Harness's White 8P and 20P Connectors to the RES ECU. (Fig. 5-5)

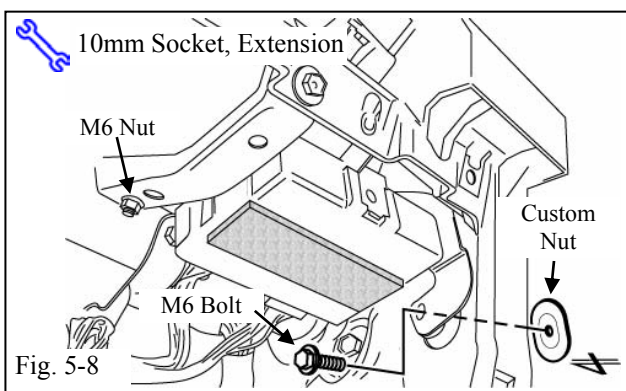


(i) Install the RES ECU from the bottom, up through the opening as shown. (Fig. 5-6)

(1) Guide the Stud on the Mounting Bracket through the Hole in the Vehicle's Brace.



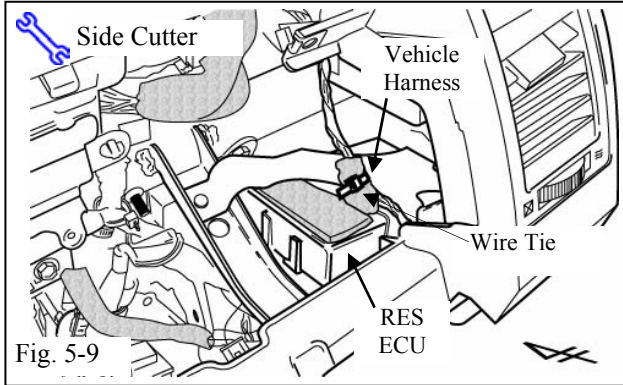
(j) Using the M6 Flange Nut from the Kit, temporarily install the Mounting Bracket. (Fig. 5-7)



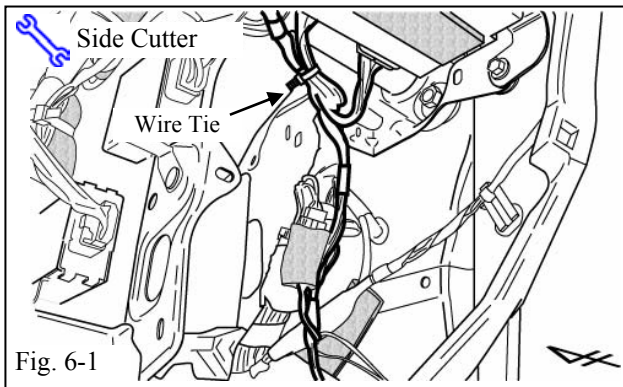
(k) Using the M6 Bolt and the Custom Nut from the kit, install the Mounting Bracket. (Fig. 5-8)

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

(1) Now tightening the M6 Nut until secure (Fig. 5-8)

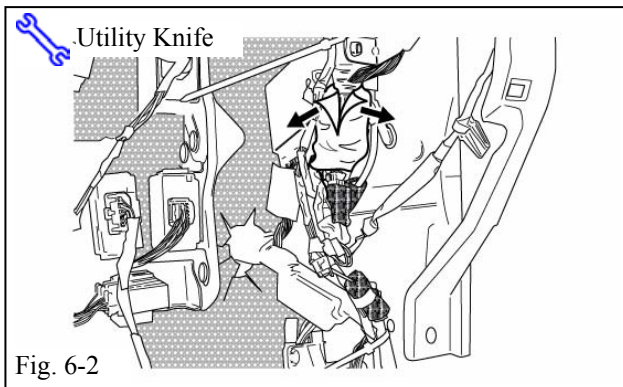


(m) Secure the Vehicle Harness to the Mounting Bracket with 1 Wire Tie (Fig. 5-9)

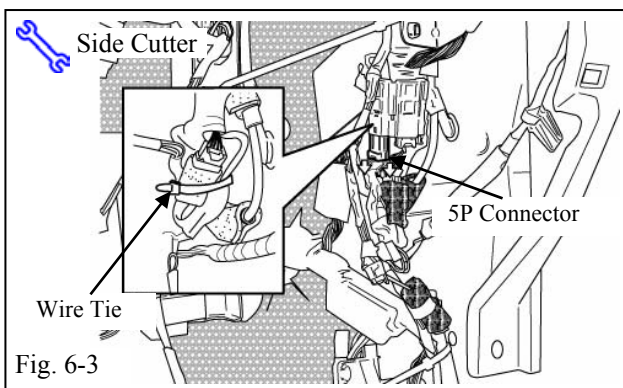


6. V4 Wire Harness Installation (Passenger's Side Continued)

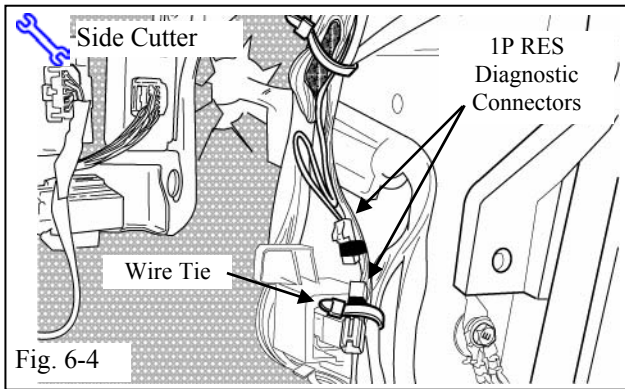
(a) Route the V4 Harness' Black 5P Connector towards the Passenger Side Cowl Area.
(1) Secure it to the Vehicle Harness with 1 Wire Tie. (Fig. 6-1)



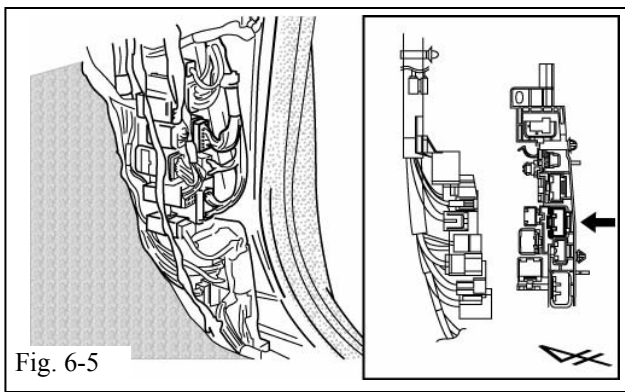
(b) Carefully cut open the Tape securing the 3 Connectors in the upper portion of the Passenger Side Cowl Area. (Fig. 6-2)
(1) Remove the Tape securing any Pre-wire Connectors to the Vehicle Harness.
(2) Do not remove the tape.



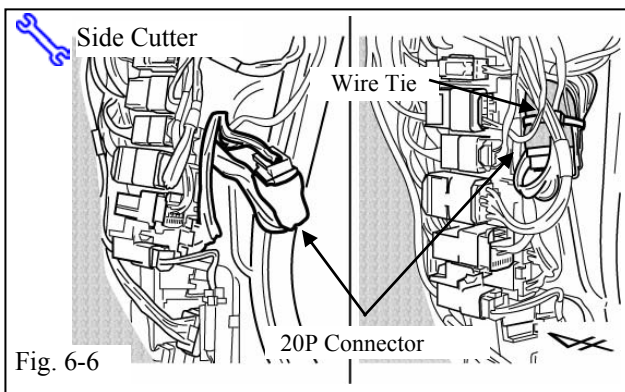
(c) Disconnect the Left Black 5P Connector. (Fig. 6-3)
(d) Plug in the V4 Harness's Black 5P Connectors between the Vehicle Harness's 5P Connectors. (Fig. 6-3)
(e) Use Electrical Tape to Re-secure the Tape and Connectors.
(f) Use 1 Wire Tie to secure the 5P Connector to the Vehicle Harness. (Fig. 6-3)
(g) Re-tape any Pre-wire Connectors to the Vehicle Harness



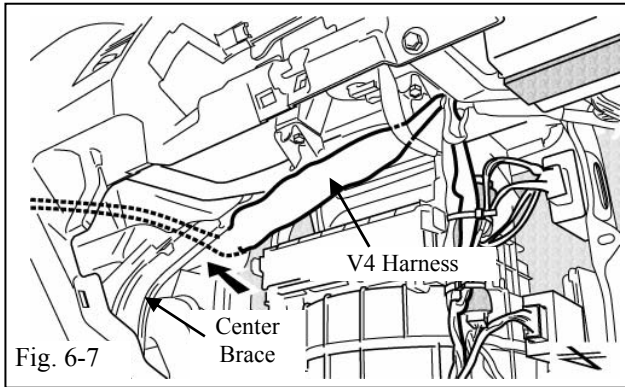
- (h) Continue Routing the V4 Harness Towards the Passengers Cowl Area.
- (i) Secure the V4 Harness and its 1P RES Diagnostic Connector to the Vehicle Harness with 1 Wire Tie. (Fig. 6-4)



- (j) Disconnect the White 20P Connector in the Passenger Side Cowl Area's J/B. (Fig. 6-5)

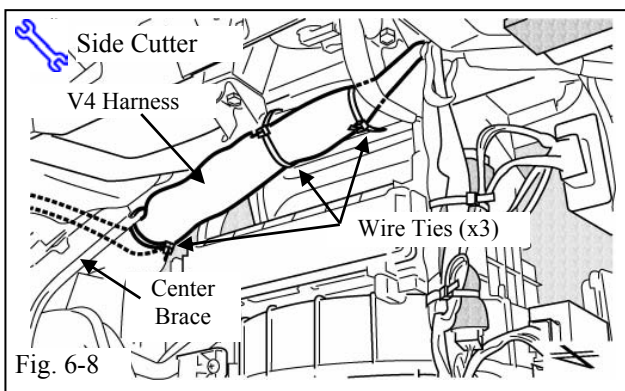


- (k) Plug in the V4 Harness's White 20P Connectors between the Vehicle Harness' 20P Connector and the J/B. (Fig. 6-6)
- (l) Secure the 20P Connectors to the Vehicle Harness with 1 Wire Tie. (Fig. 6-6)



GO BACK TO THE V4 HARNESS WHITE TAPE MARKER.

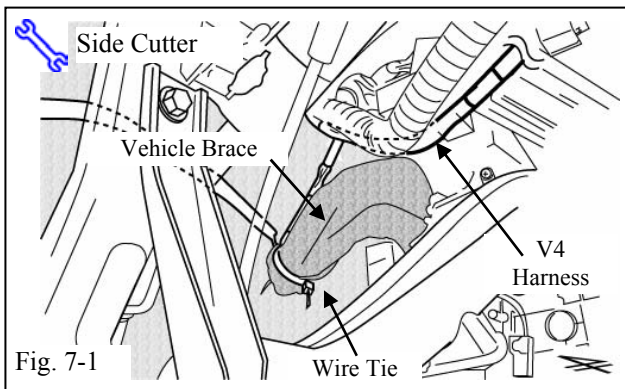
(m) Route the V4 Harness behind the Center Brace towards the Driver's Area. (Fig. 6-7)



(n) Use 2 Wire Ties to secure the V4 Harness to the Reinforcement in the Glove Box Area. (Fig. 6-8)

(o) Use 1 Wire Tie to secure the V4 Harness to the Center Brace. (Fig. 6-8)

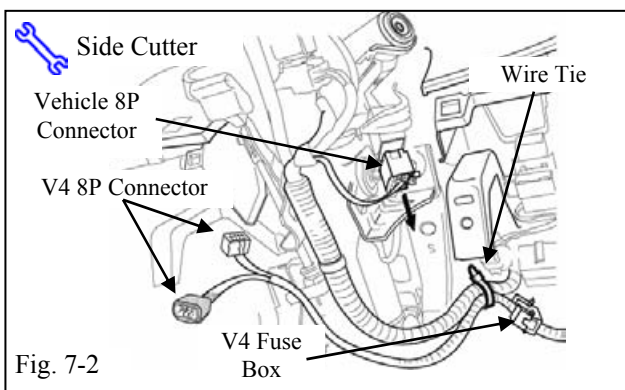
7. V4 Harness Installation (Driver's Side)



(a) Route the V4 Harness toward the Steering Column. (Fig. 7-1)

(b) Secure the V4 Harness to the Foam Tape wrapped Vehicle Brace with 1 Wire Tie. (Fig. 7-1)

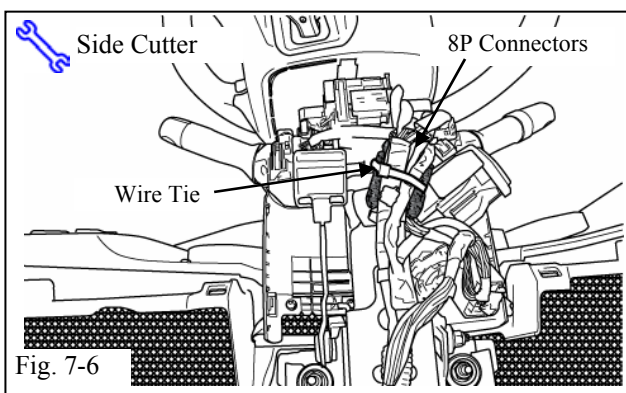
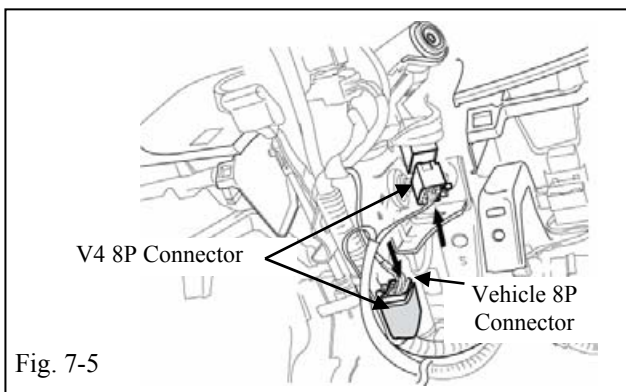
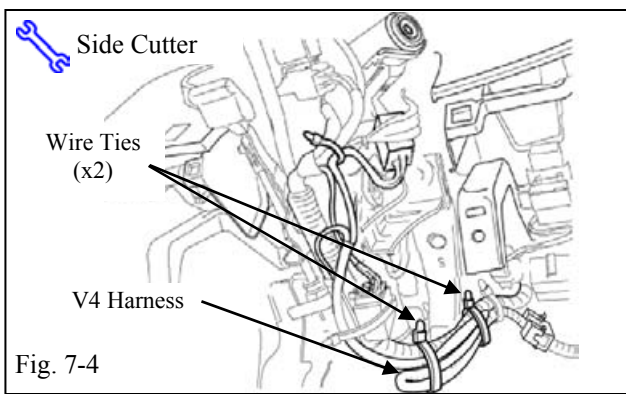
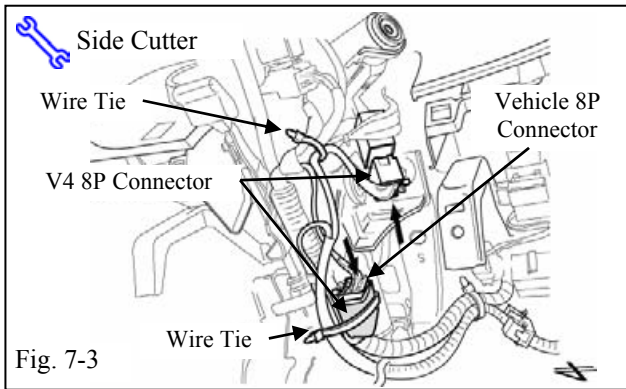
FOR USE ON VEHICLES WITH MANUAL STEERING TILT (steps c-g)



(c) Secure the V4 Harness to the Vehicle Harness with 1 Wire Tie as shown. (Fig. 7-2)

(d) Locate and disconnect the Vehicle's White 8P Ignition Connector. (Fig. 7-2)

CONTINUED

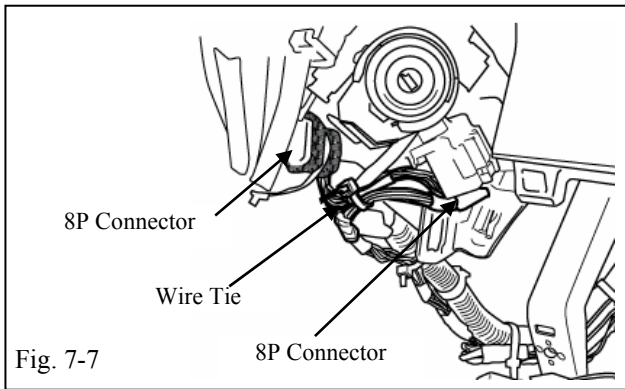


- (e) Plug in the V4 Harness's 8P Connectors between the Vehicle Harness's 8P Connector and the Ignition Switch Connectors. (Fig. 7-3)
- (f) Use 1 Wire Tie to secure the 8P Connectors to the Vehicle Harness. (Fig. 7-3)
 - (1) Verify secure connection.
- (g) Use 1 Wire Tie to secure the TVIP Harness to the vehicle harness
- (h) Fold the excess V4 Harness in half and use 2 Wire Ties to secure the V4 Harness to the Vehicle Harness. (Fig. 7-4)

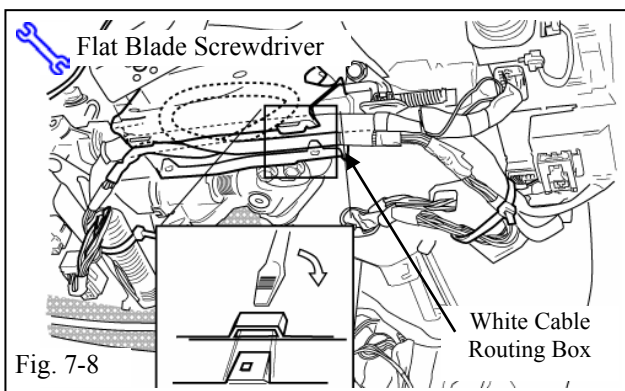
FOR USE ON VEHICLES WITH ELECTRONIC STEERING TILT (steps h-p)

- (i) Locate and disconnect the Vehicle's 8P Ignition Connector. (Fig. 7-5)
- (j) Plug the V4 8P Connectors in between the Ignition and the Vehicle's 8P Connector. (Fig. 7-5)
- (k) Position the 8P connectors behind the Black Vehicle Harness. Use 1 Wire Tie to secure the Connectors to the Vehicle Harness. (Fig. 7-6)

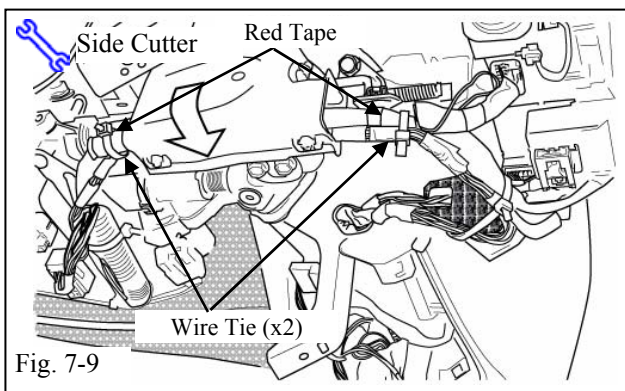
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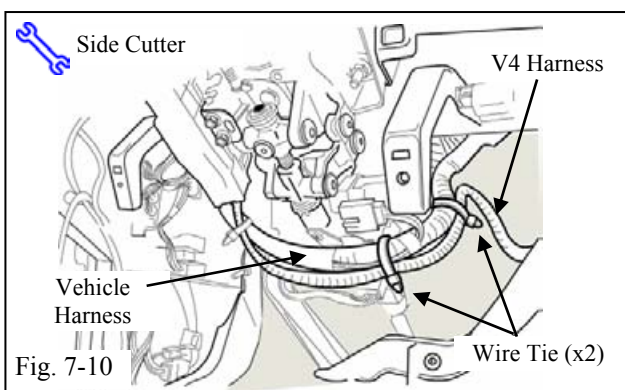
- (l) Use 1 Wire Tie to secure the slack in the Wires connecting the V4 8P Connectors to the Vehicle Harness. (Fig. 7-7)



- (m) Open up the White Cable Routing Box. (Fig. 7-8)
 - (1) Be careful not to damage the clips excessively. They will discolor slightly but should not be broken.



- (n) Loop the V4 Harness once inside of the White Cable Routing Box. (Fig. 7-8)
- (o) Locate and Secure the V4 Harness's 2 Red Tape Markers to the Vehicle Harness using 2 Wire Ties as shown. (Fig. 7-9)
- (p) Close the White Wire Routing Box. (Fig. 7-9)



- (q) Use 2 Wire Ties to securing the V4 Harness to the Vehicle Harness. (Fig. 7-10)

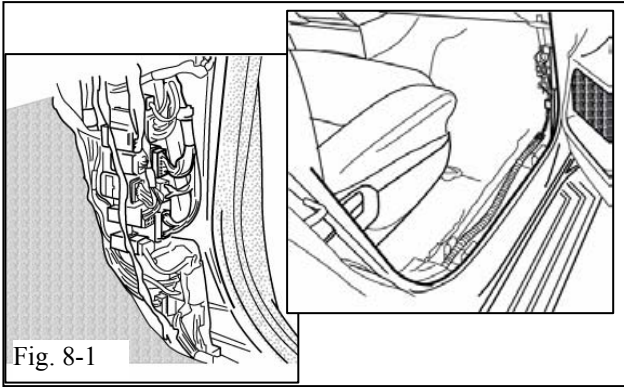


Fig. 8-1

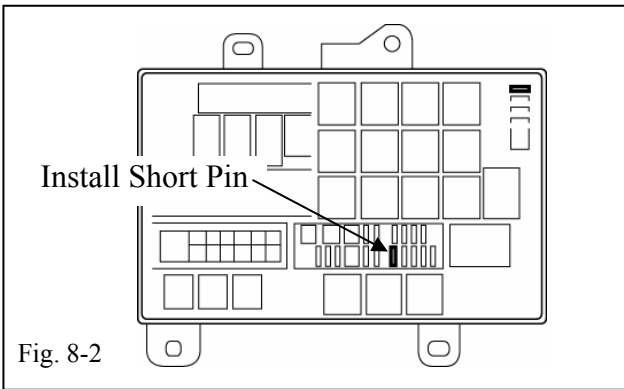


Fig. 8-2

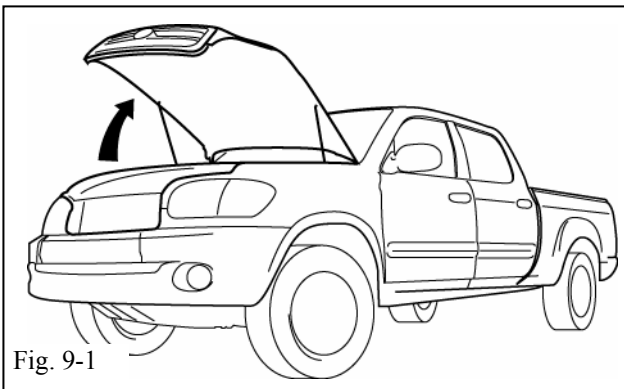


Fig. 9-1

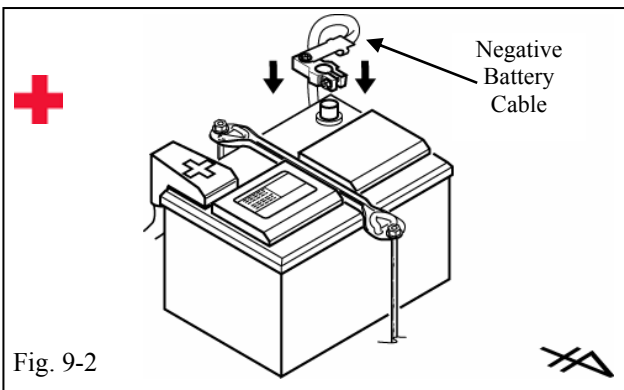


Fig. 9-2

8. Partial Reassembly.

- (a) Reassemble the Vehicle, except for the Passengers Cowl Cover, and Step Cover. (Fig. 8-1)
 - (1) Reconnect any disconnected Connectors.

- (b) Install the Short Pin. (Fig. 8-2)

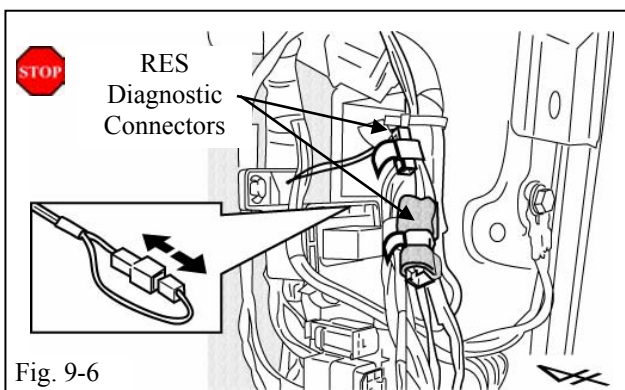
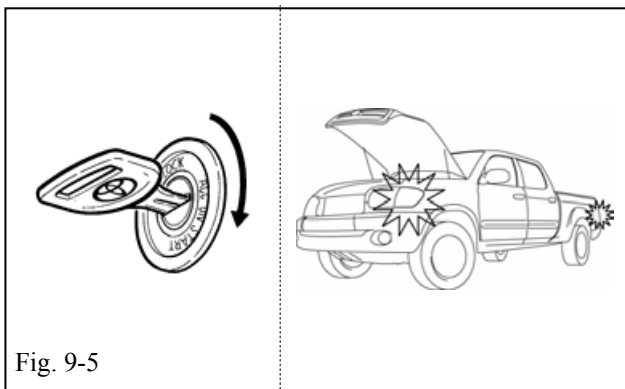
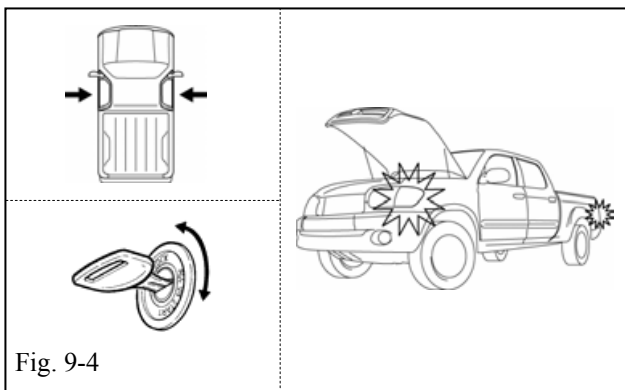
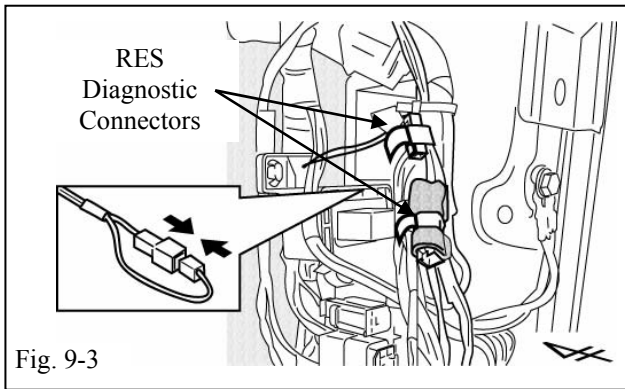
9. Registration.

(Vehicles without Immobilizer)(steps a-n)

- (a) Open the Hood. (Fig. 9-1)

- (b) Temporarily reconnect the Vehicle's Negative Battery Cable. (Fig. 9-2)

DO NOT TOUCH THE POSITIVE BATTERY TERMINAL.



(c) Locate and disconnect the Tape securing the V4 Harness's 1P RES Diagnostic Connectors in the Passengers Side Cowl Area and connect them. (Fig. 9-3)



ONCE CONNECTED YOU WILL HAVE 10 MINUTES TO COMPLETE STEPS d-n.

(d) Close all doors. (Fig. 9-4)

(1) Do not close Hood.

(e) Insert the key into the ignition and turn it from "OFF" to "ON". Repeat 5 times. (Fig. 9-4)

(1) The hazard lights flash 1 time.

(f) Turn the key to the "OFF" position.

(g) Start the Engine. (Fig. 9-5)

(h) After 10 seconds stop the Engine (Fig. 9-5)

(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 Passengers Side Cowl Area. (Fig. 9-6)
- Start again from step c.

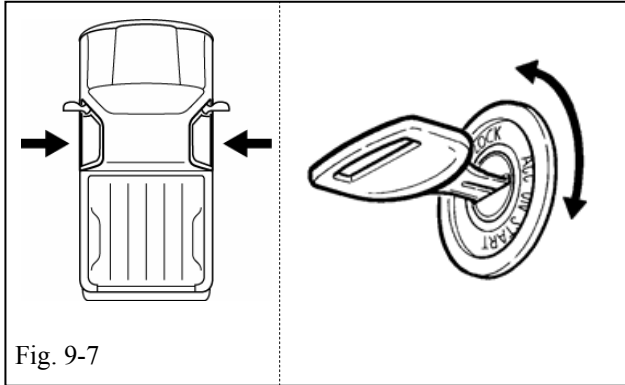


Fig. 9-7

- (i) Verify that all doors are closed. (Fig. 9-7)
 - (1) Do not close the Hood.
- (j) Insert the key into the ignition and turn it from “OFF” to “ON” 5 times (ending at OFF). (Fig. 9-7)

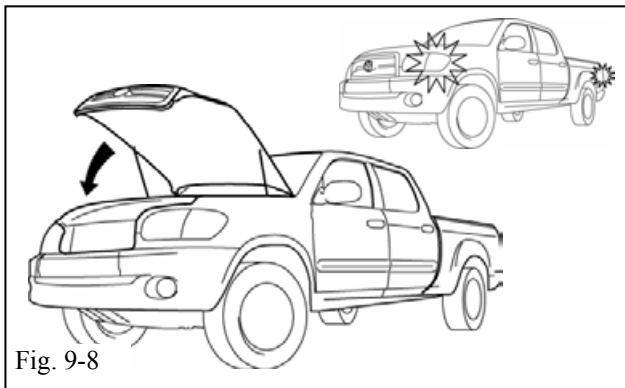


Fig. 9-8

- (k) Close the Hood. (Fig. 9-8)
 - (1) The Hazard Lights flash once. Registration is complete.

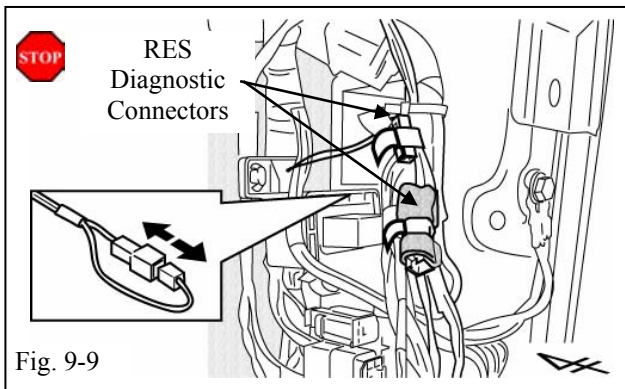


Fig. 9-9



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

- Disconnect the V4 Harness’s White 1P Connectors in the Passengers Side Cowl Area. (Fig. 9-9)
- Start again from step c.

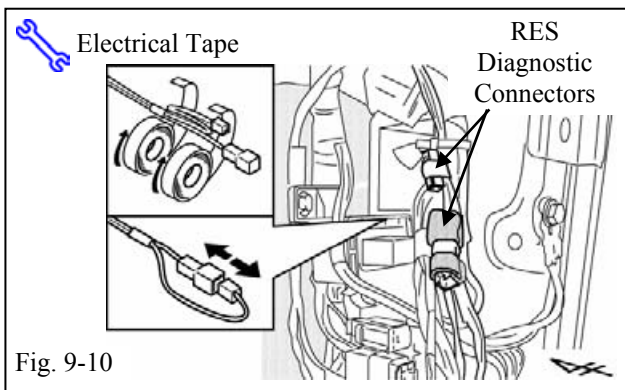


Fig. 9-10

- (l) After a Successful Registration disconnect the V4 Harness's White 1P Connectors (Fig. 9-10)
- (m) Secure the V4 Harness and 1P Connectors with Electrical Tape as shown. (Fig. 9-10)
- (n) Remove the Key from the Ignition Switch.

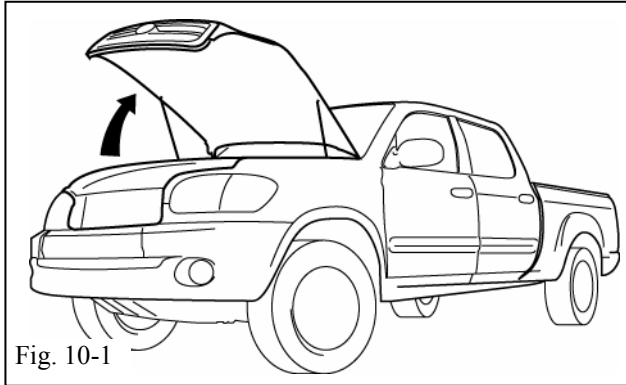


Fig. 10-1

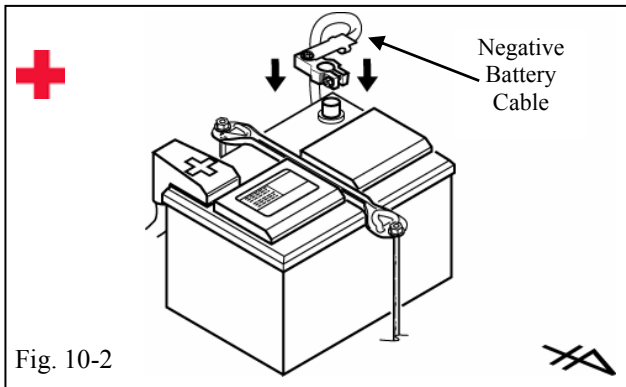


Fig. 10-2

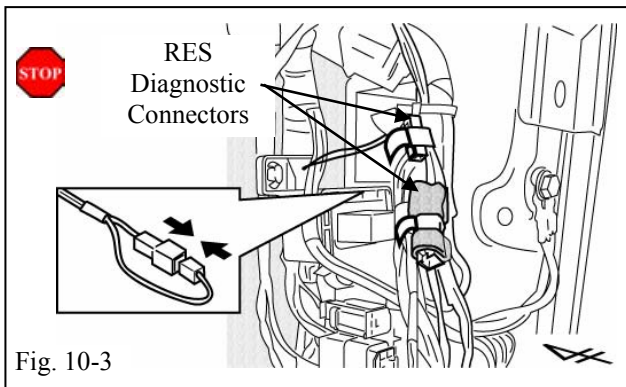


Fig. 10-3

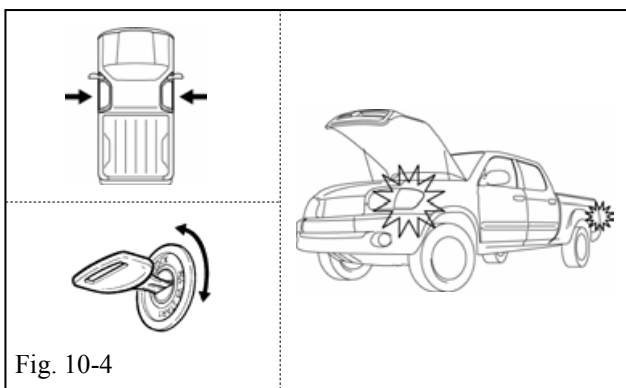


Fig. 10-4

10. Registration

(Vehicles with Immobilizer) (steps a-w)

(a) Open the Hood. (Fig. 10-1)

(b) Temporarily reconnect the Vehicle's Negative Battery Cable. (Fig. 10-2)

DO NOT TOUCH THE POSITIVE BATTERY TERMINAL.

(c) Locate and disconnect the Tape securing the V4 Harness's White 1P Connectors in the Passengers Side Cowl Area and connect them. (Fig. 10-3)

ONCE CONNECTED YOU WILL HAVE 10 MINUTES TO COMPLETE STEPS d-t.

(d) Close all doors. (Fig. 10-4)

(1) Do not close the Hood.

(e) Insert the key into the ignition and turn it from "OFF" to "ON". Repeat 5 times. (Fig. 10-4)

(1) The hazard lights flash 1 time.

(2) Turn the key to the "OFF" position.

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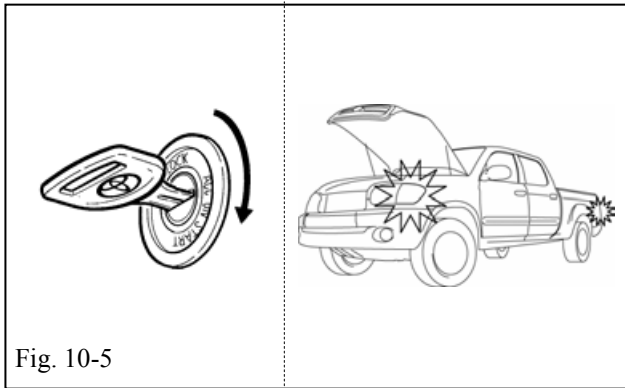


Fig. 10-5

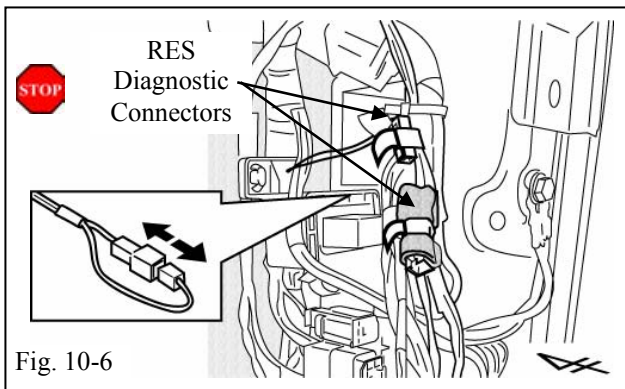


Fig. 10-6

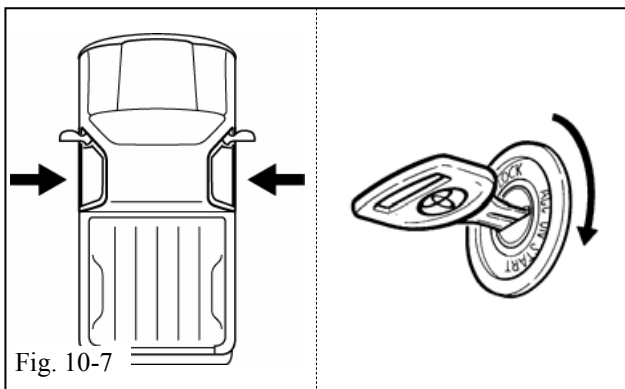


Fig. 10-7

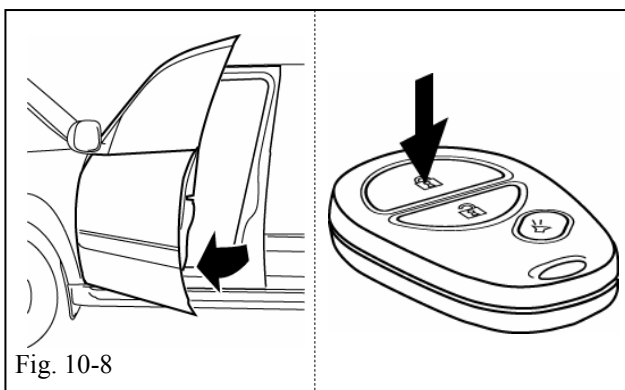


Fig. 10-8

- (f) Start the Engine. (Fig. 10-5)
- (g) After 10 seconds stop the Engine (Fig. 10-5)
 - (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 Passengers Side Cowl Area. (Fig. 10-6)
- Start again from step c.

- (h) Verify that all doors are closed. (Fig. 10-7)
 - (1) Do not close the Hood.
- (i) Insert the Key into the ignition and turn it to the "ON" position. (Fig. 10-7)
- (j) Turn the Key to the "OFF" position and remove it from the ignition. (Fig. 10-7)

- (k) Open the Driver's Door. (Fig. 10-8)



ONCE OPEN, YOU HAVE 20 SECONDS TO COMPLETE STEPS p-s.

- (l) Using the Remote, press the Lock Button twice within 2 seconds. (Fig. 10-8)
- (m) Press and hold the lock button for 4 seconds. (Fig. 10-8)

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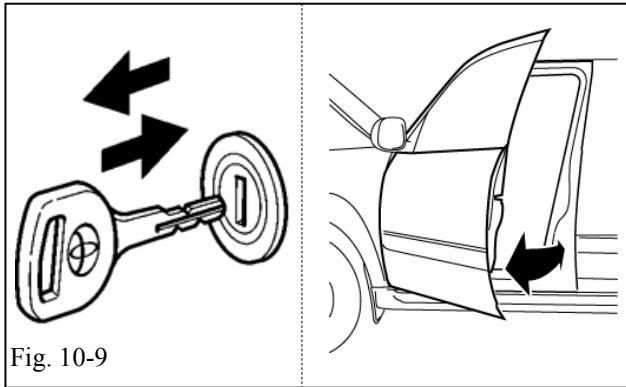


Fig. 10-9

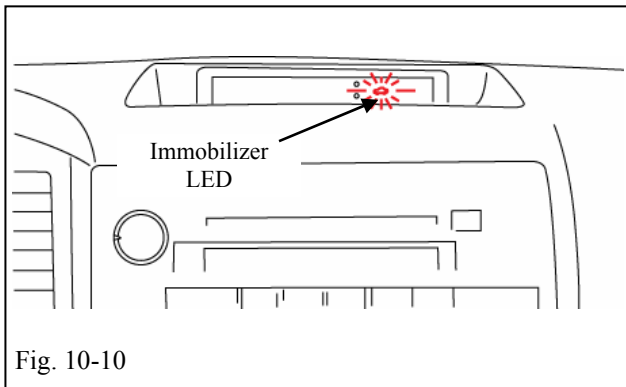
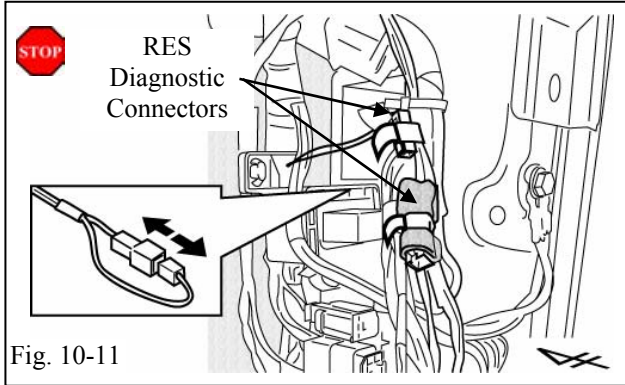


Fig. 10-10

- (n) Insert and remove the Key into the ignition. Repeat 6 times. (Fig. 10-9)
- (o) Insert and leave the key in the ignition. (Fig. 10-9)
- (p) Close the Driver's Door. (Fig. 10-9)
- (q) Open, and close the Driver's Door. Repeat 7 times. (Fig. 10-9)
 - (1) Complete these steps within 35 seconds.

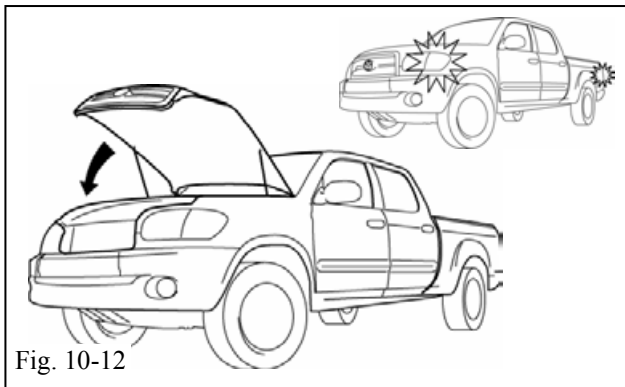
- (r) If registration was successful, the Immobilizer LED will light up for 1 second, and turn off. (Fig. 10-10)
- (s) After the light is off for 1 second, the LED will light up again and stay on until the Key is removed from the ignition. (Fig. 10-10)

CONTINUED



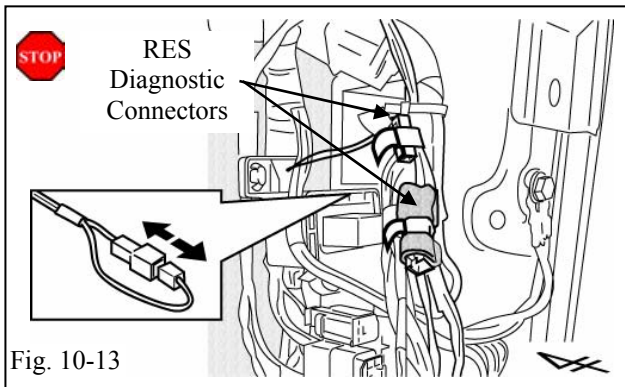
If this procedure failed, registration has failed.

- Disconnect the V4 harness's White 1P Connector from the Passenger Side Cowl Area. (Fig. 10-11)
- Start again from step c.



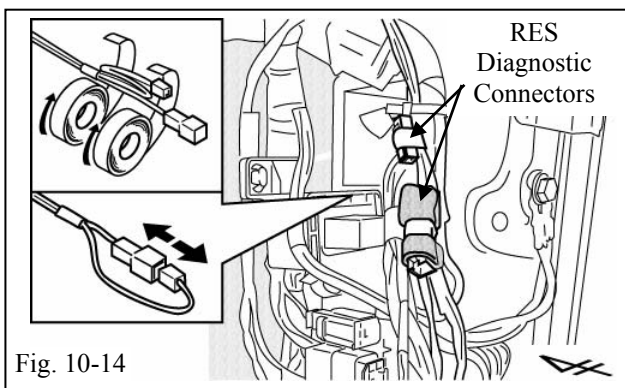
(t) Close the Hood. (Fig. 10-12)

- (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. 10-13)
- Start again from Step (c).



(u) After a Successful Registration disconnect the V4 Harness's White 1P Connectors (Fig. 10-14)

(v) Secure the V4 Harness and 1P Connectors with Electrical Tape as shown. (Fig. 10-14)

(w) Remove the Key from the Ignition Switch.

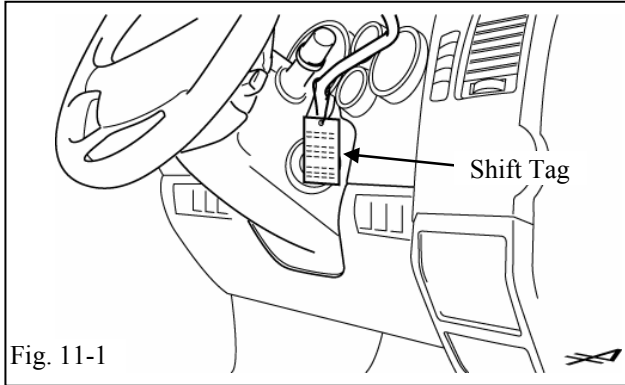


Fig. 11-1

11. Tags and Label Installation.

(a) Hang the Shift Lever Tag on the Shift Lever.
 (Fig. 11-1)

(b) Remove 2 of the Remote Controls from its protective bag. (Fig. 11-2)

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

(c) Using 3M Prep Sol-70 and Cleaning Method, clean the area indicated on the Remote Controls. (Fig. 11-2)

(1) Do not allow cleaner to air dry.

(d) Attach the Key Label to the Remote Controls as shown. (Fig. 11-2)

(1) Use a piece of Clean Adhesive Tape to lift the labels off their protective backing.

(2) Do not touch the label's adhesive surface.

(e) Attach the Remote Engine Starter Tags to the Vehicle Remotes. (Fig. 11-3)

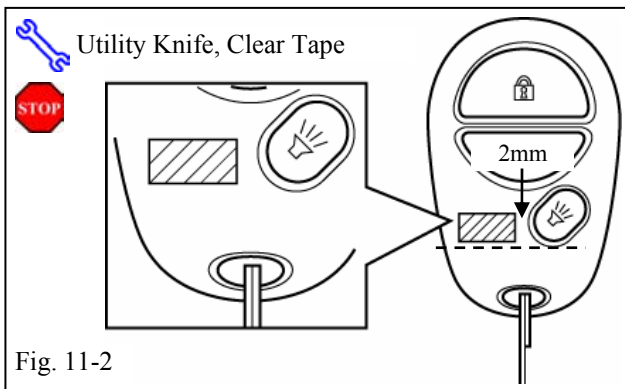


Fig. 11-2

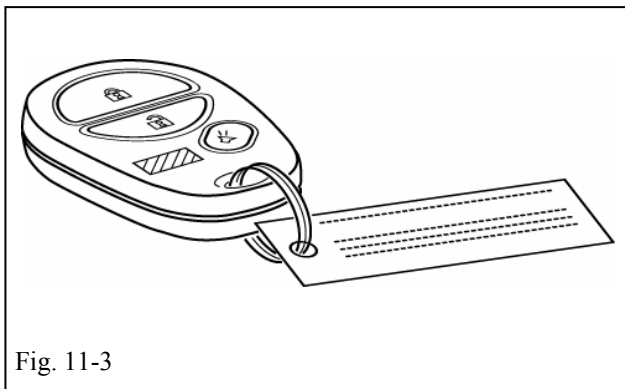


Fig. 11-3

(f) Using 3M Prep Sol-70 and Cleaning Method, clean the area indicated on the engine compartment cover. (Fig. 11-4)

(1) Do not allow cleaner to air dry.

(g) Attach the Warning Label to the Engine Compartment Cover on the Left Hand Side as shown. (Fig. 11-4)

(1) Use a piece of Clean Adhesive Tape to lift the label off its protective backing.

(2) Do not touch the label's adhesive surface.

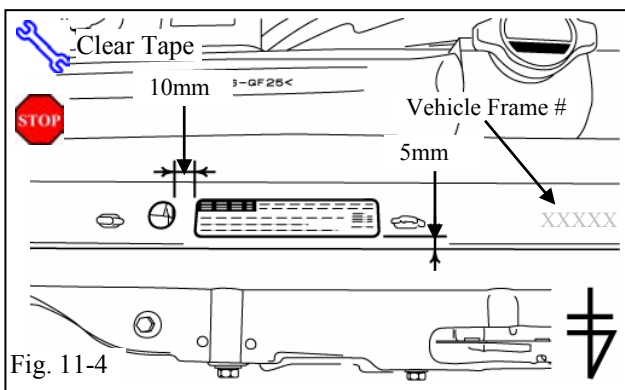


Fig. 11-4

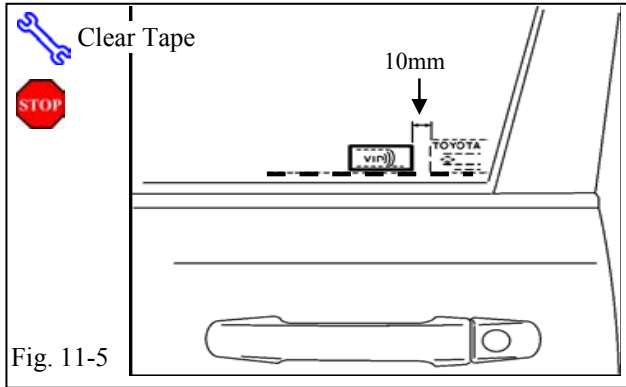


Fig. 11-5



- (h) Using Household Windex, clean the inside of the Front Door Windows. (Fig. 11-5)
 - (1) When cleaning with Household Windex, follow the Manufacturer's Directions.
- (i) Place the warning labels on the inside of the Front Door Windows as shown. (Fig. 11-5)

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

DO NOT TOUCH THE ADHESIVE SURFACE OF THE WARNING LABELS.

- (2) Line up the labels properly and place on the glass. Do not attempt to reposition the Labels once they are placed.
- (3) If the label is being installed with other Window Labels align it horizontally with the other labels and 10mm from the last label.

12. 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. 12-1)



- (1) Tighten the Nut to 36 in•lbf ± 1.5 (40.67 n•cm ± 1.7)



DO NOT TOUCH THE POSITIVE BATTERY TERMINAL.

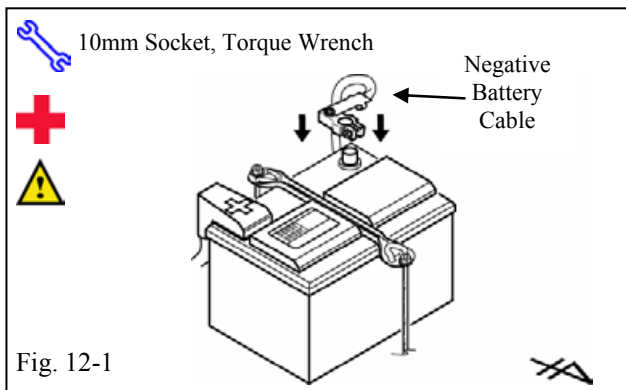


Fig. 12-1

- (c) Clean up and remove any Trash.
- (d) Sealed in its protective bag, place the owner's manual 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.

<u>Check:</u>	<u>Look For:</u>
<p><u>Accessory Function Checks</u></p> <p>Fit the appropriate fuse before beginning.</p> <p>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.</p> <p><input type="checkbox"/> Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds.</p> <p><input type="checkbox"/> Press the remote control’s unlock button.</p> <p><input type="checkbox"/> Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. With the engine running, press and hold the remote control’s lock button 2 seconds.</p> <p><input type="checkbox"/> Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. Unlock the doors with the key.</p> <p>Enter the vehicle and close all doors.</p> <p><input type="checkbox"/> Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. With the engine running, manually unlock any door with the inside lock switch.</p>	<p style="text-align: center;">Function</p> <ol style="list-style-type: none"> 1. The hazard lights flash after 3 seconds. The engine starts. The hazard lights flash repeatedly for 20 seconds. 2. The engine stops. The hazard lights flash twice. 3. Refer to Step 1. The engine stops. The hazard lights flash once. 4. Refer to Step 1. The engine stops. The hazard lights flash once. 5. Refer to Step 1. The engine stops. The hazard lights flash once. The security alarm triggers. (if equipped)

Check:

- Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. With the engine running, pull the hood release handle.

Exit the vehicle, close the hood, then enter the vehicle and close all doors.

- Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. With the engine running, push on the foot brake.

- Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. With the engine running, insert the key into the ignition switch.

Look For:

- 6. Refer to Step 1.
The engine stops.
The hazard lights flash once.
The security alarm triggers. (if equipped)

- 7. Refer to Step 1.
The engine stops.
The hazard lights flash once.

- 8. Refer to Step 1.
The engine stops.
The hazard lights flash once

Vehicle Function Checks

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

- 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

Check:

- Panel/Switch Illumination
- Accessory Controls/Illumination (if equipped)
- Key Sensor Buzzer
- Fog Lights (if equipped)
- Daytime Running Lights (if equipped)
- Trunk/Tailgate/Bed Lights (if equipped)
- Glove Box Light (if equipped)
- Cruise Control Light (if equipped)
- Seat Belt Warning Light

- Air Bag Warning Light

- ABS Light (if equipped)

- Lamp Failure Sensor (if equipped)

- Track/Skid Control Light (if equipped)

- HVAC
- Power Locks (if equipped)

Look For:

- Functioning Controls/Illumination
- Functioning Accessory
- Functioning Key Sensor
- Functioning Fog Lights
- Functioning DR Lights
- Functioning Lights
- Functioning Glove Box Light
- Functioning Cruise Control Light
- Functioning Seat Belt Warning Light. If the warning light remains on, it may indicate a system malfunction.
- Functioning Air Bag Warning Light. If the warning light remains on, it may indicate a system malfunction.
- Functioning ABS Light. If the warning light remains on, it may indicate a system malfunction.
- Functioning Lamp Failure Light. If the warning light remains on, it may indicate a system malfunction.
- Functional Track / VSC Light. If the warning light remains on, it may indicate a system malfunction.
- Functioning HVAC Controls
- Functioning Power Locks

Check:

- Power Windows (if equipped)
- Power Seats (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)
- Steering Wheel Audio Control (if equipped)
- Steering Wheel Column Adjust
- Hood Latch Release

Look For:

- Functioning Power Windows
- Functioning Power Seats
- 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
- Functioning Steering Wheel Audio Control
- Steering Wheel Column Adjusts Without Interference
- Functioning Hood Latch Release

Check:

- Passenger Air Bag Switch (if equipped)
- Rollover Side Curtain Air Bag (RSCA) Switch (if equipped)

Remove the appropriate fuse after checks are completed.

Look For:

Functioning Passenger Air Bag Switch

Functioning RSCA Switch