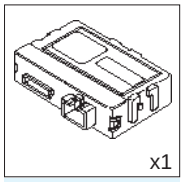
Part #: PT398-89140

Conflicts: Will not program with Techsream Lite.

Kit Contents

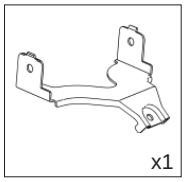
RES ECU



x1

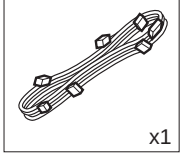
PT398-89100-NS

RES ECU Bracket



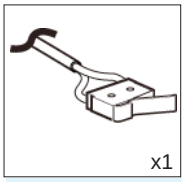
x1

RES Harness



x1

Hood Switch



x1

PT398-89100-RS

Hood Switch Screw



x2

90167-20001

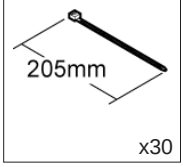
M6 Bolt



x1

91651-60618

Wire Tie



x30

Key Tag



English x2
Spanish x2

(E) PT398-4209E
(S) PT398-4209S

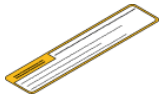
Window Label



English x2
Spanish x2

(E) 08192-07810
(S) PT398-00071-SL

Engine Room Label



English x1
Spanish x1

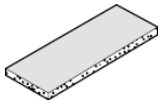
(E) PT398-00070-EL
(S) PT398-00070-SL

Owner's Guide



x1

Foam Tape



x3

Service Part #'s

Additional Items

(may be required)

Item#	Description

Recommended Sequence of Application

Item#	Description

Recommended Tools

Personal & Vehicle Protection	Description
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets, Parts Boxes
Special Tools	
Techstream	Use latest version on TIS (Do not use Techstream Lite)
Installation Tools	
Screwdriver	#2 Phillips, Phillips Jeweler's, Flat Blade Jeweler's
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST# 00002-06001-01
Side Cutters	
Torque Wrench	Battery : 48 in•lbf (5.4 N•m); Hood Lock Assy : 66.4 in•lbf (7.5 N•m); Passenger's Knee Airbag : 88.5 in•lbf (10 N•m)
Utility Knife	
Tape	Clear, Electrical
Socket	10mm, extension
Pliers	Needle Nose
Special Chemicals	
Cleaner	VDC Approved Cleaner
Glass Cleaner	Household Glass Cleaner

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Legend

Do not proceed until process has been completed.

Follow steps carefully to avoid damaging the Vehicle or Accessory

Use caution to avoid injury.

Used in Figures to call attention to specific tools recommended for the process.

Highlights a change in installation with respect to previous issue.

Indicates that torque is related to safety.

Video available; click to play.

Accessory Installation Practice (read before installation)

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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

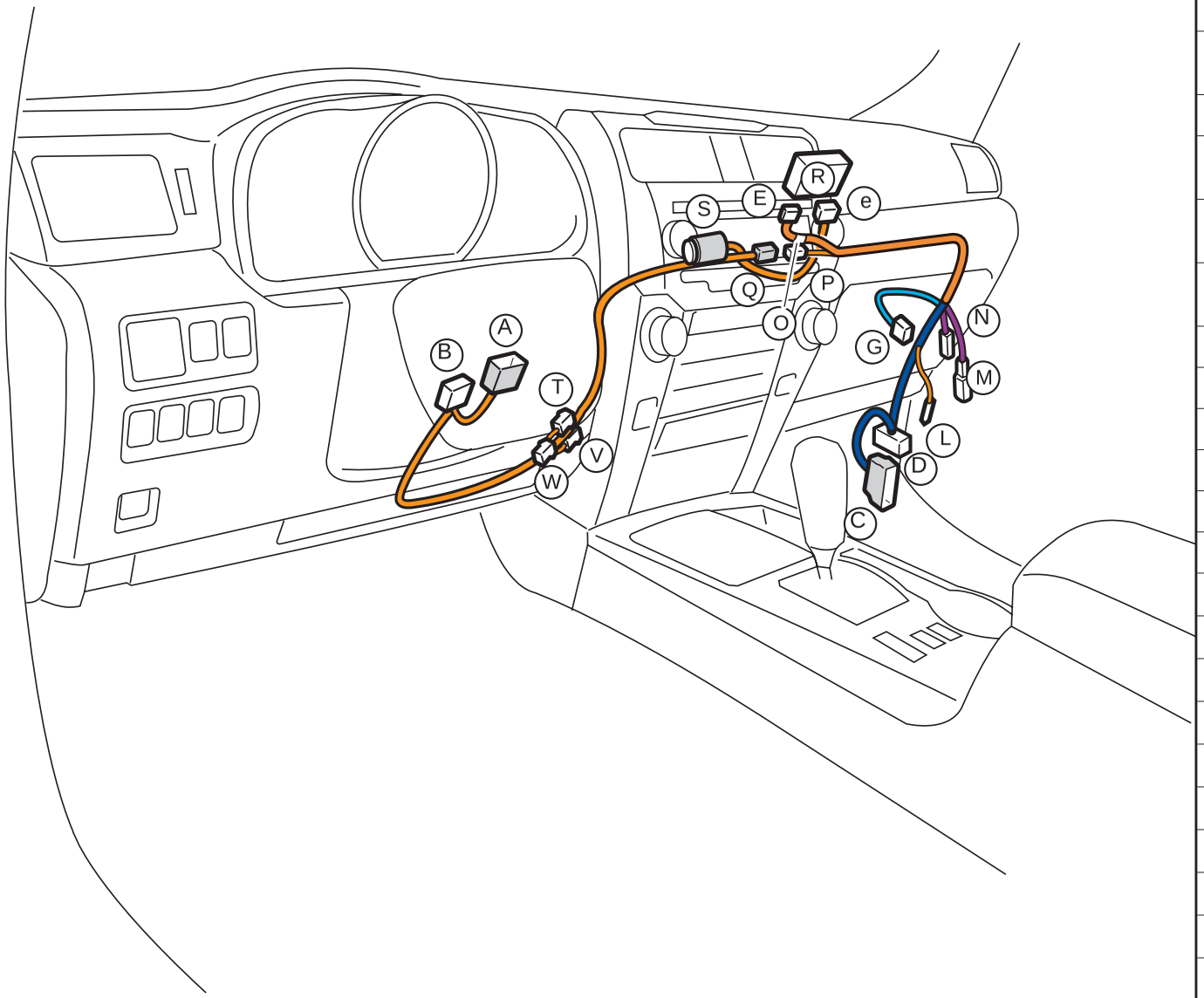
This document covers such items as:

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

Please see your Toyota dealer for a copy of this document.

4Runner RES w/o Smart

Wire Harness Outline* (Vehicle Interior)

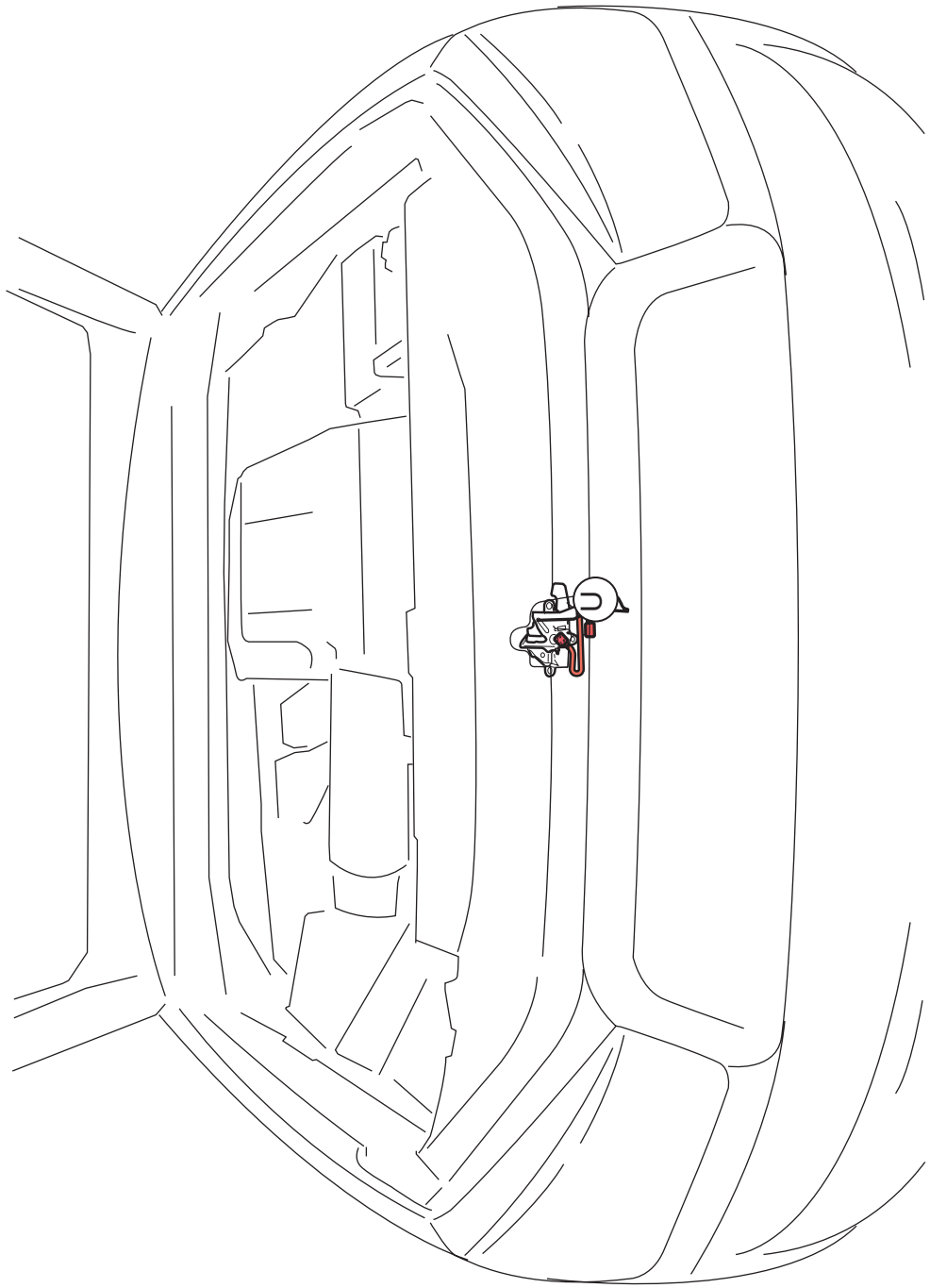


*Color of Harness on Overview corresponds with Colored Tape near Connectors on Harness.

TVIP	Vehicle	Description
A	F15	8P White
B	F15	8P White
C	FN1	64P White
D	FN1	64P White
e	–	8P White *(for RES ECU)*
E	–	24P White *(for RES ECU)*
G	E53	7P White
L	–	Wire Terminal (White/Black Wire)
M	–	1P White *(for Registration)*
N	–	1P White *(for Registration)*
O	–	White Tape Marker
P	–	2P White
Q	–	2P White
R	–	RES ECU
S	–	Relay
T	–	Fuse
V	–	Fuse
W	–	Diode

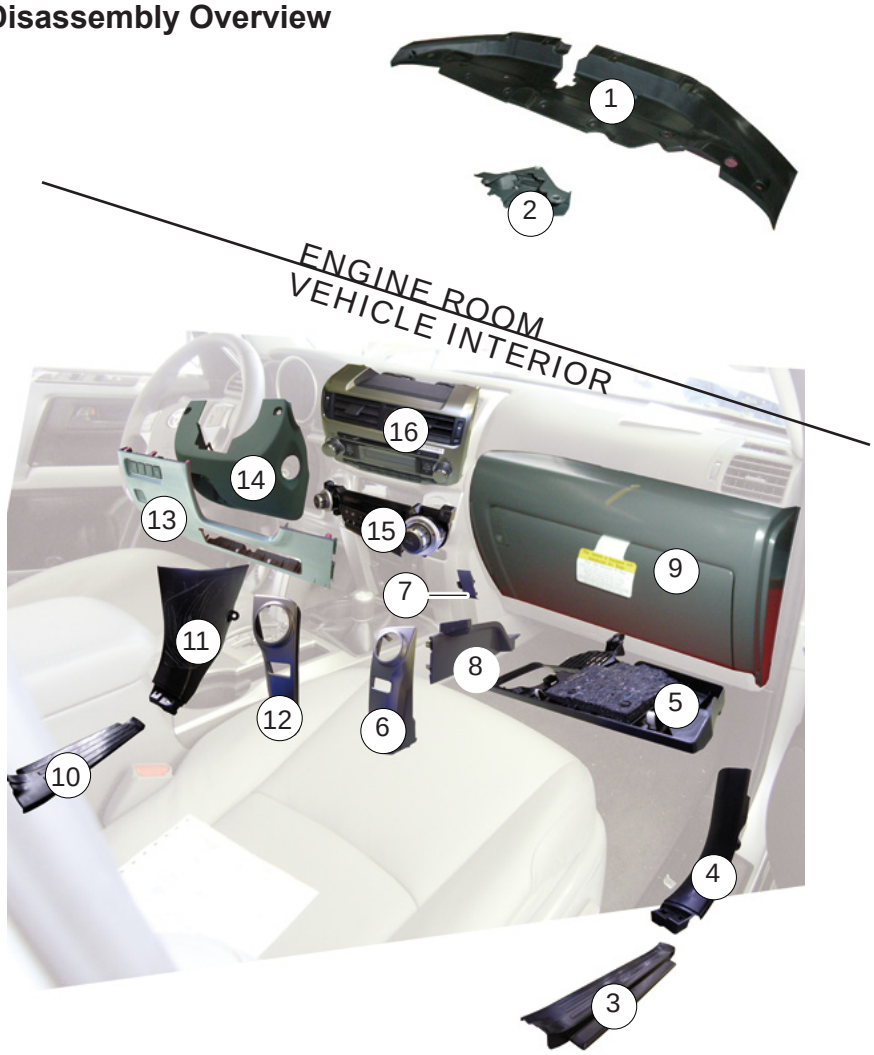
TVIP	Vehicle	Description
U	A19	Hood Switch

4Runner RES w/o Smart
Wire Harness Outline (Engine Compartment)



***Color of Harness on Overview corresponds with Colored Tape near Connectors on Harness.**

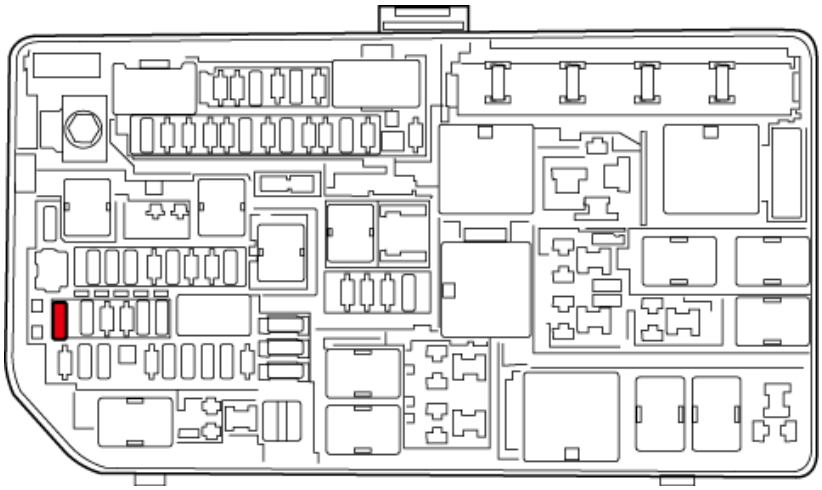
Disassembly Overview



1	Engine Cover
2	Hood Latch Cover
3	PS Step Cover
4	PS Cowl Cover
5	Glove box Under Cover
6	PS IP Trim
7	Lower Glove box Trim
8	PS Center Console Trim
9	Glove box
10	DS Step Cover
11	DS Cowl Cover
12	DS IP Trim
13	DS Lower Dash
14	Column Cover
15	A/C Panel
16	Audio Unit

Disconnect all Corresponding Connectors.

Fig. 1-1



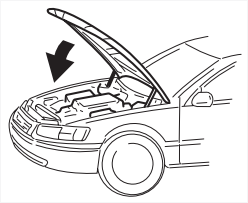
1. Hood Switch Installation

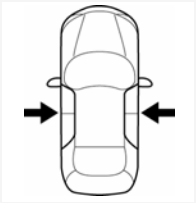
a. Verify that the Short Pin is Installed.

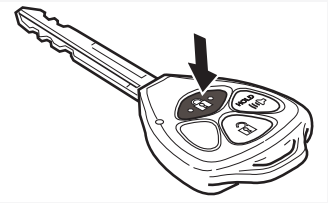
- If not Install now.

Confirm the following:

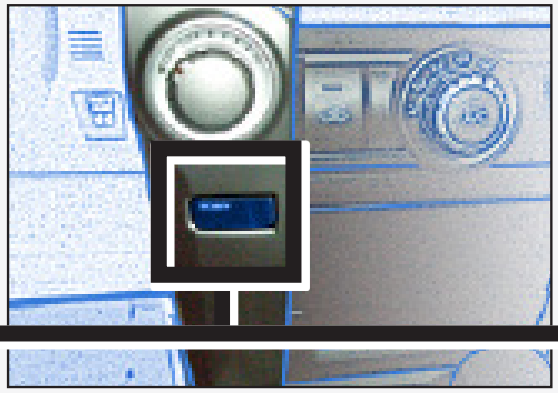
Before beginning, close the Hood and the Doors. Press the remote control's lock button.

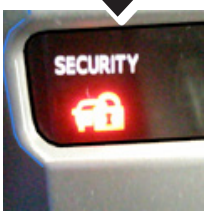






Observe the Security LED on the console





Security LED Turns ON solid for 30 Seconds then starts blinking

WITH ALARM
(Vehicle has Hood Switch)

Security LED starts blinking immediately



WITHOUT ALARM
(Vehicle does not have Hood Switch)

10mm Socket

Fig. 1-2



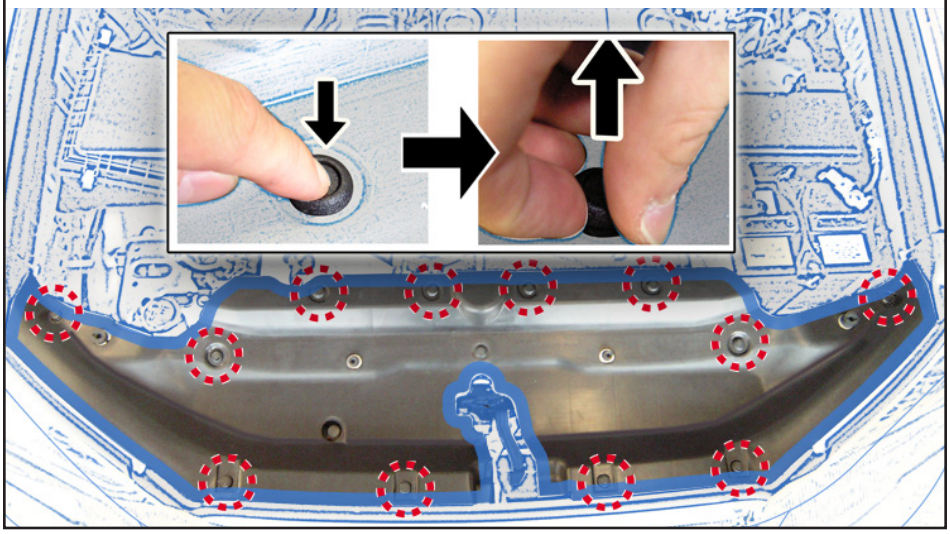
b. Place the Vehicle in Park with the Parking Brake set.

c. Disconnect the Negative Battery Terminal.

- Protect the Fender.
- Note the Battery Cable Position as it will be re-installed in the same position.

CAUTION: Do not touch the Positive Terminal.

Fig. 1-3

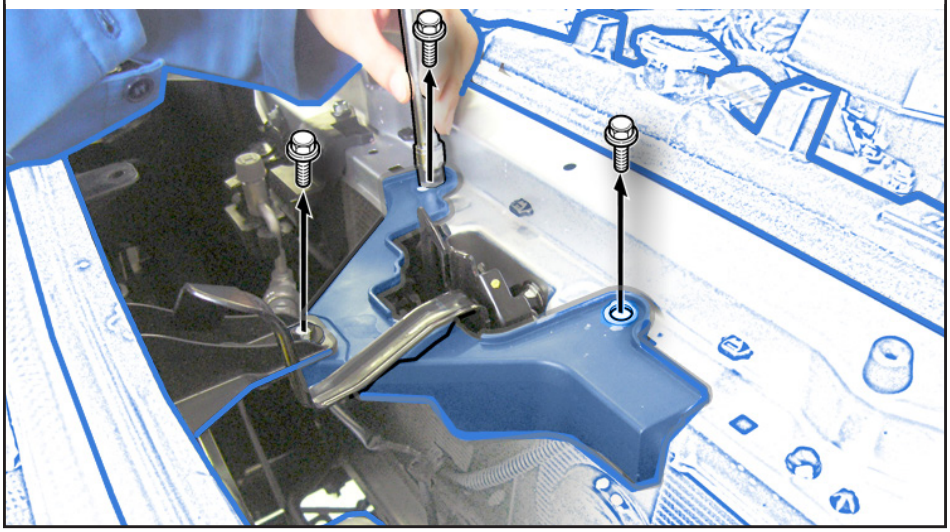


Vehicles Without Hood Switch ONLY

d. Remove the Engine Cover.
   - Remove 12 clips.

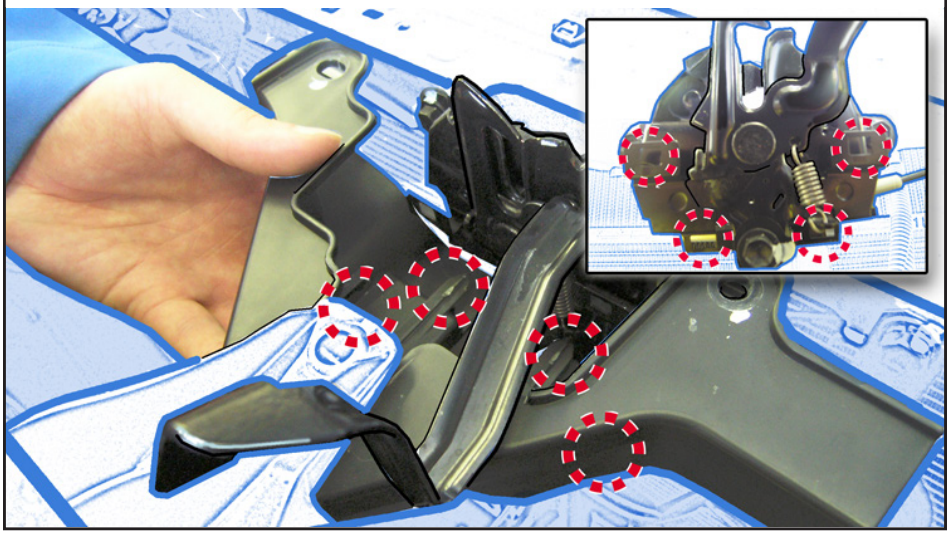
10mm Socket

Fig. 1-4



e. Remove the 3 Bolts on the Hood Latch Cover.

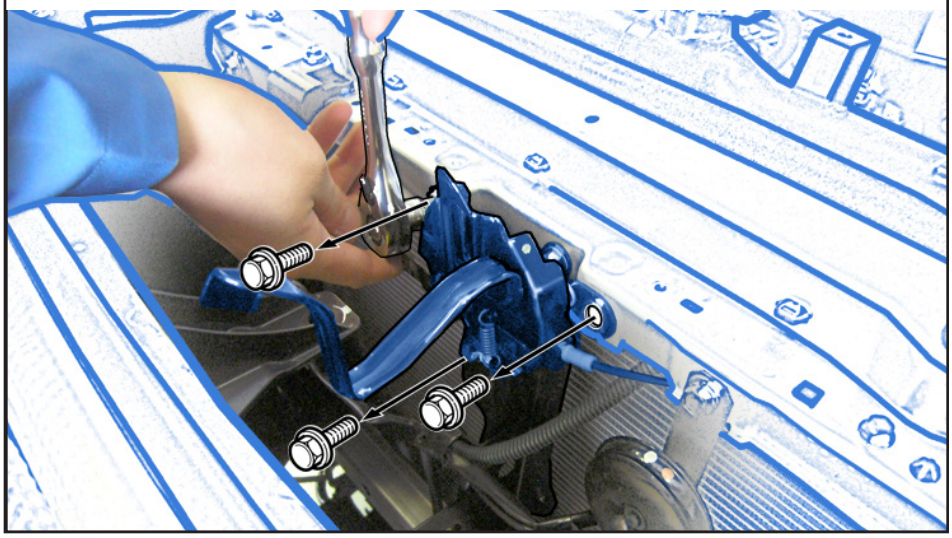
Fig. 1-5



f. Remove the Hood Latch Cover.

10mm Socket

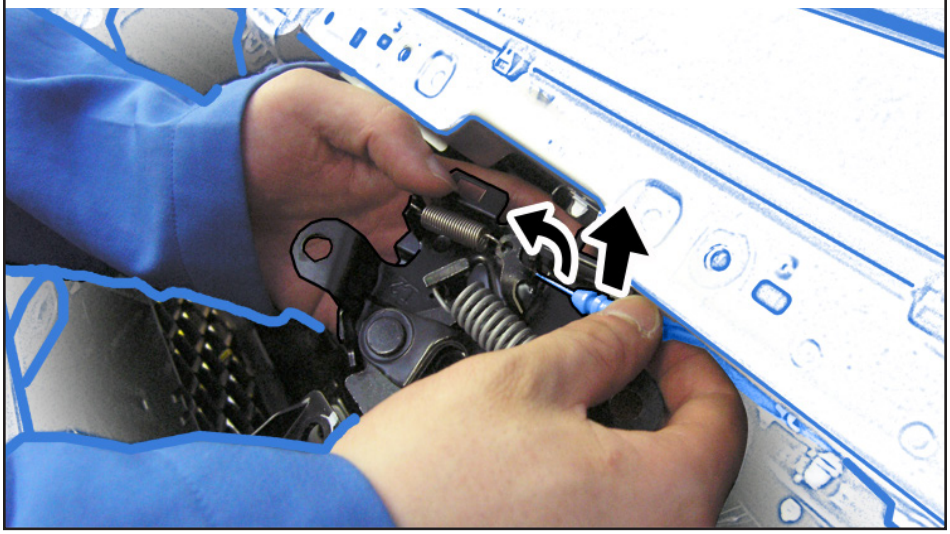
Fig. 1-6



g. Dislodge the Hood Latch Assembly.
   - Remove 3 Bolts.

Needle Nose Pliers

Fig. 1-7



h. Remove the Hood Release Cable from the Hood Latch Assembly.

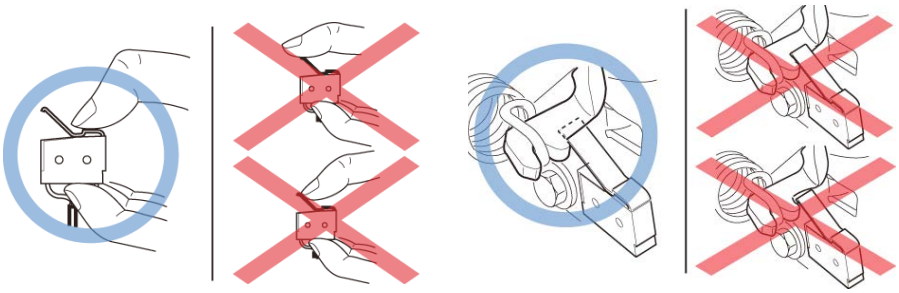
Needle Nose Pliers

Fig. 1-8



i. Dislodge the Spring on the Hood Latch Assembly.
   - Do not discard the Spring.

Fig. 1-9

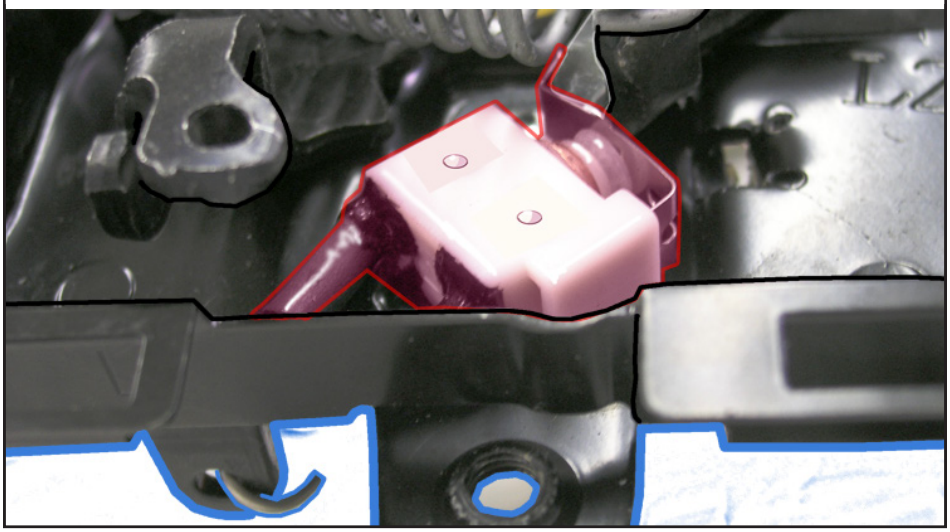


Make sure to hold Hood Switch by its sides.

Make sure the Hood Switch Lever is positioned properly.

If the Hood Switch is broken RES will not function.

Fig. 1-10

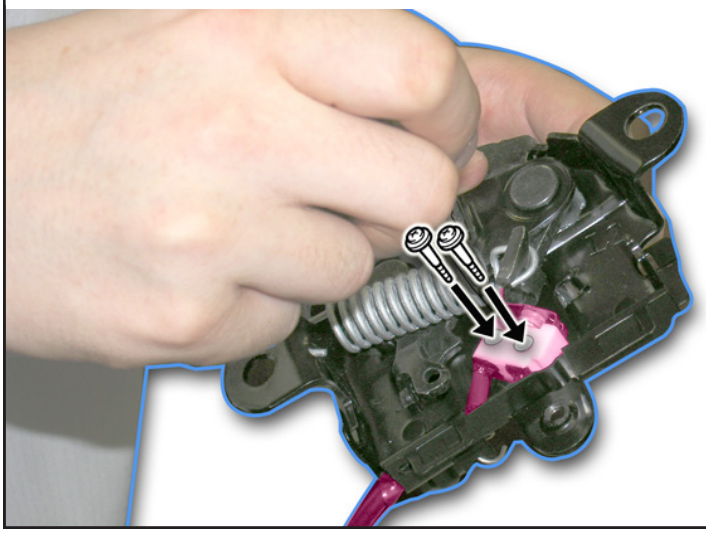


j. Install the Hood Switch with the Switch Lever underneath the Hood Lock Trigger Lever.

CAUTION: Make sure the Hood Switch Lever is under the Latch Lever.

Phillips Screwdriver

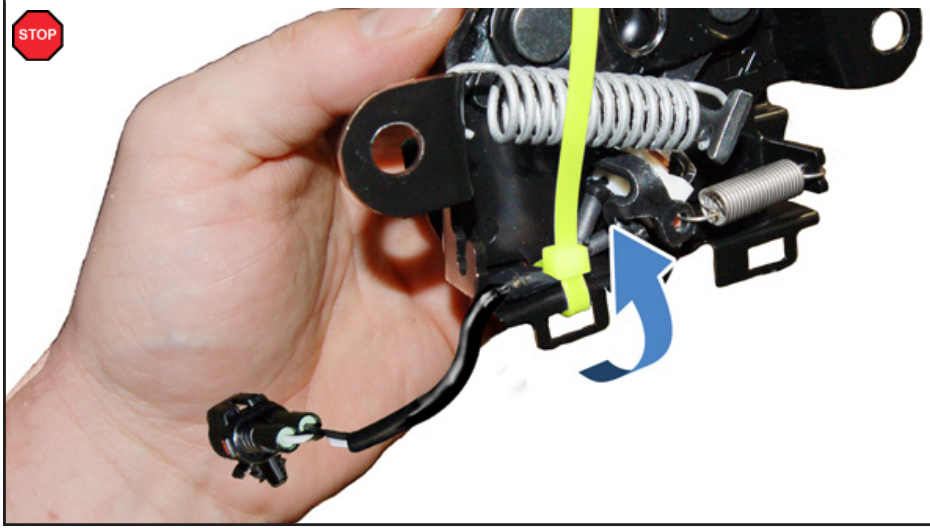
Fig. 1-11



k. Tighten 2 Screws.

Side Cutters

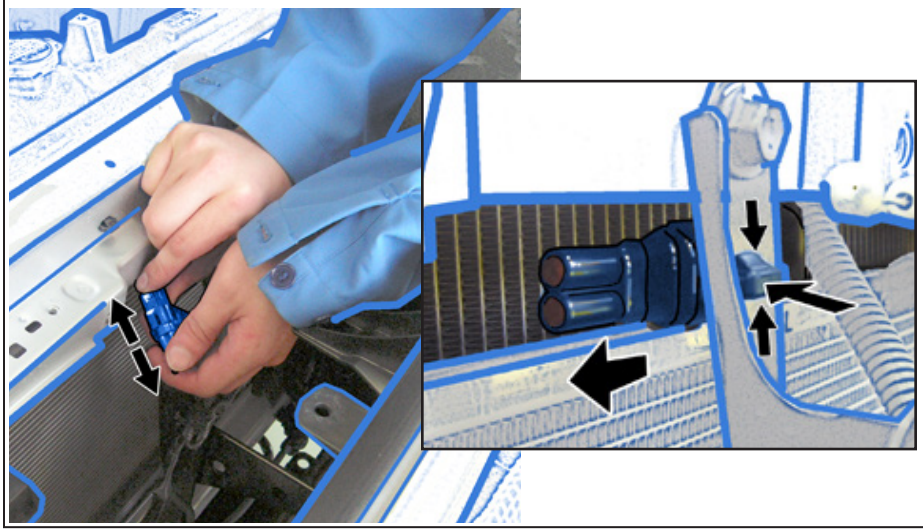
Fig. 1-12



l. Using 1 Wire Tie secure the V4 Hood Switch Harness to the Hood Latch Assembly.

STOP Rotate the Wire Tie Lock to the inside of Hood Latch Assembly.

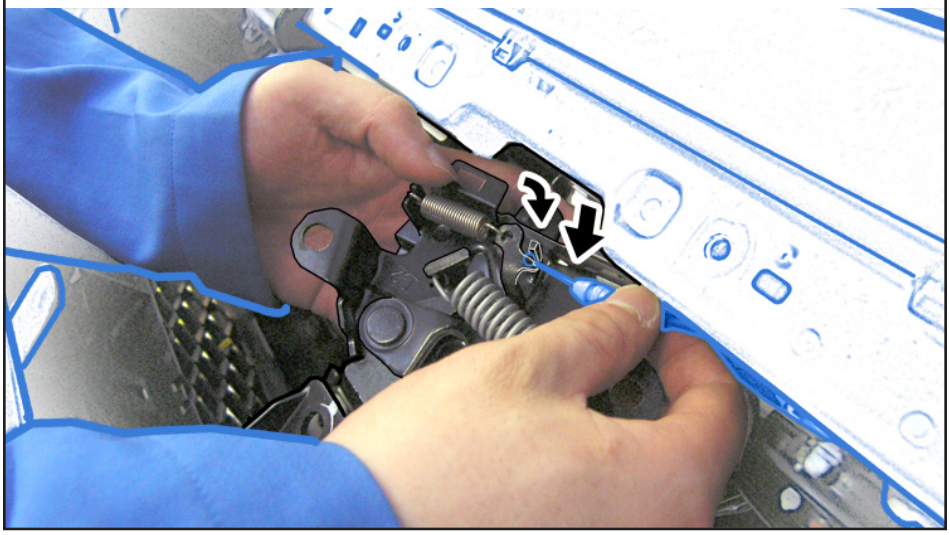
Fig. 1-13



m. Disconnect and discard the Connector Cover from the Hood Switch Pre-Connector.

Needle Nose Pliers

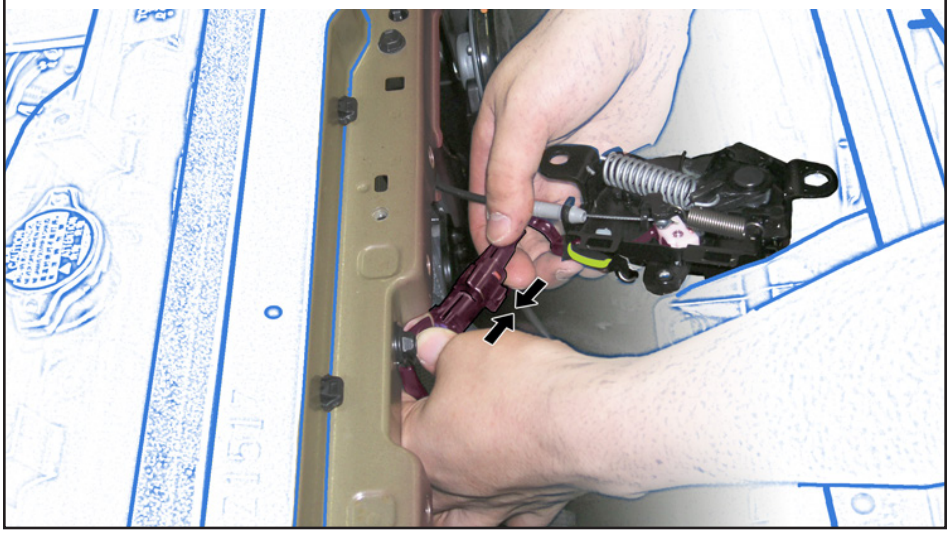
Fig. 1-14



n. Reattach the Hood Latch Spring.

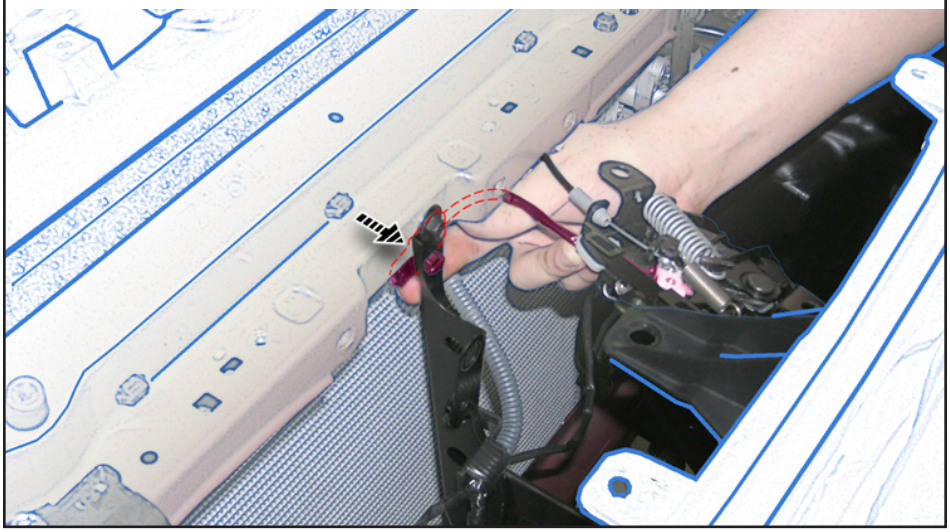
o. Reattach the Hood Release Cable.

Fig. 1-15



p. Connect the Hood Switch Connector to the Vehicle's Pre-Connector.

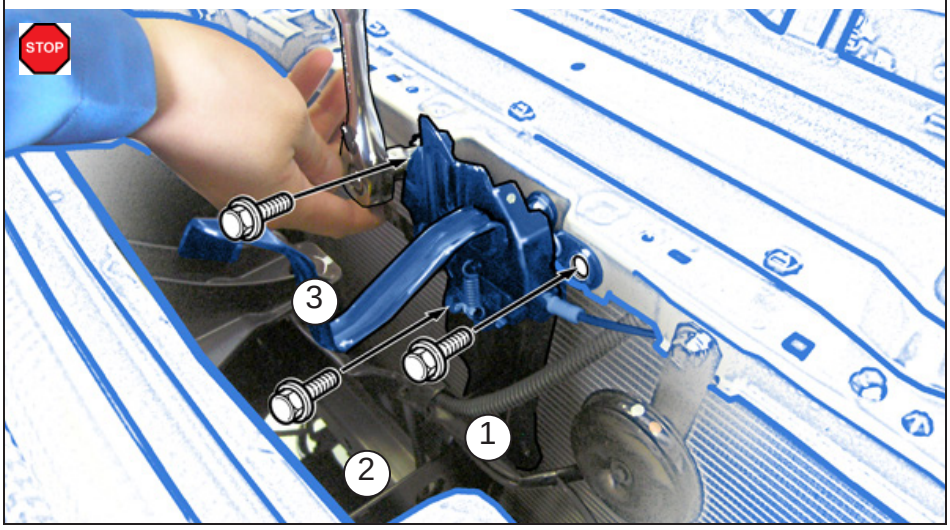
Fig. 1-16



q. Affix the Hood Switch Connector to the Vehicle as shown.

Torque Wrench

Fig. 1-17

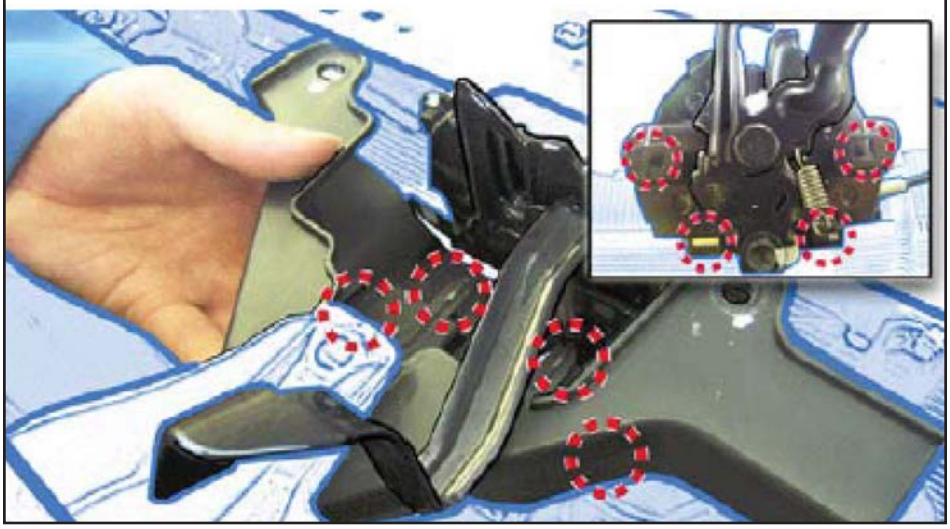


r. Reinstall the Hood Lock Assembly.

STOP NOTE: Make sure to Torque the Bolts in the correct sequence.

(1) (2) (3) **66.4 in•lbf (7.5 N•m)**

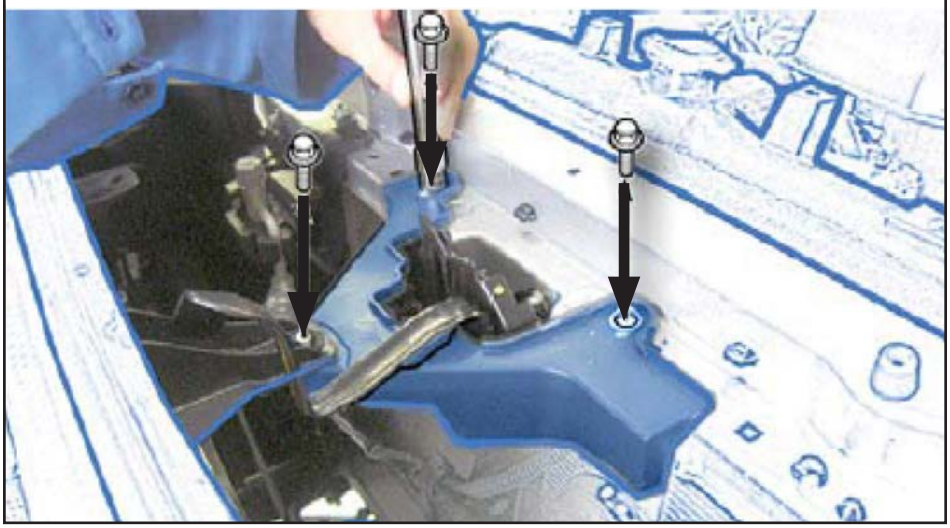
Fig. 1-18



s. Reinstall the Hood Latch Cover.

10mm Socket

Fig. 1-19



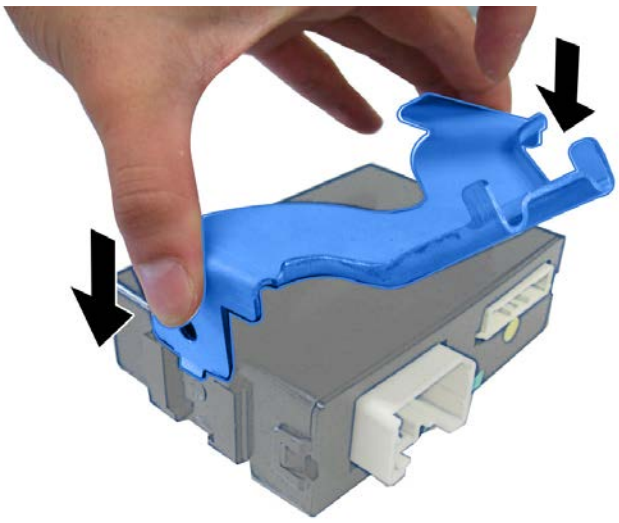
t. Reinstall the 3 bolts on the Hood Latch Cover.

Fig. 1-20



u. Reinstall the Engine Cover.
   - Reinstall the 12 clips.

Fig. 2-1

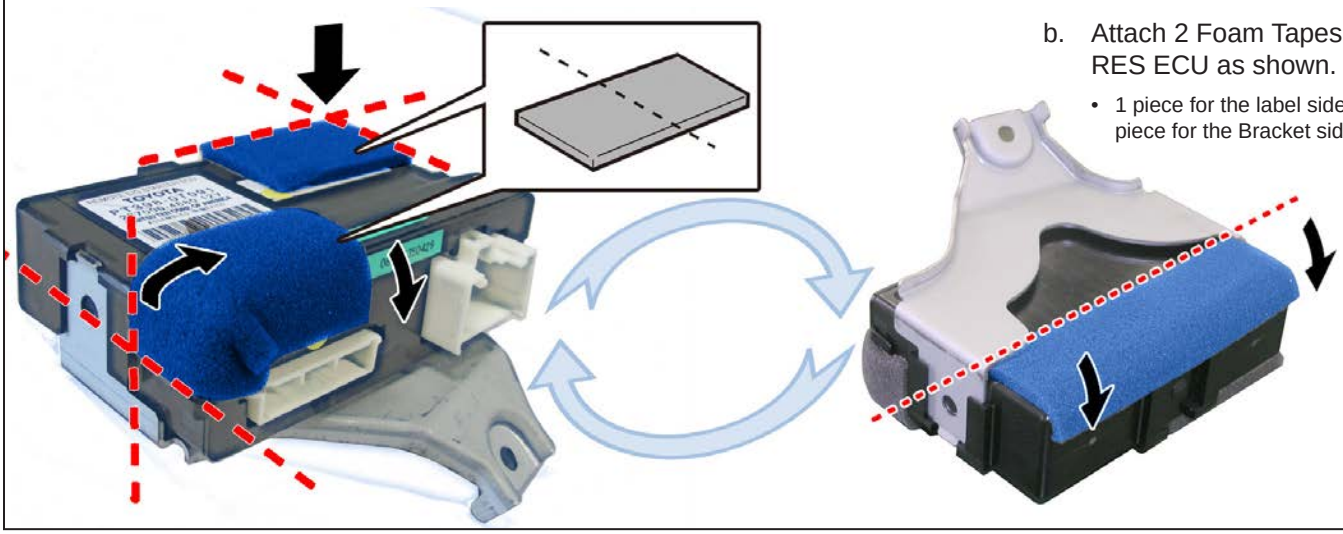


2. RES ECU Preparation

a. Attach the RES Bracket to RES ECU.

Utility Knife

Fig. 2-2



b. Attach 2 Foam Tapes on the RES ECU as shown.

- 1 piece for the label side and 1 piece for the Bracket side.

Nylon Panel Removal Tool

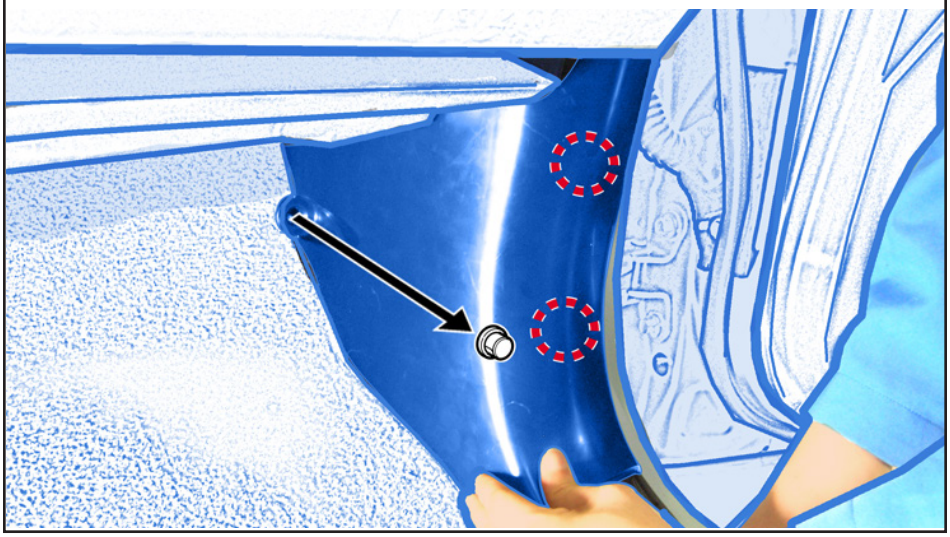
Fig. 3-1



3. Disassembly (Passenger's Area)

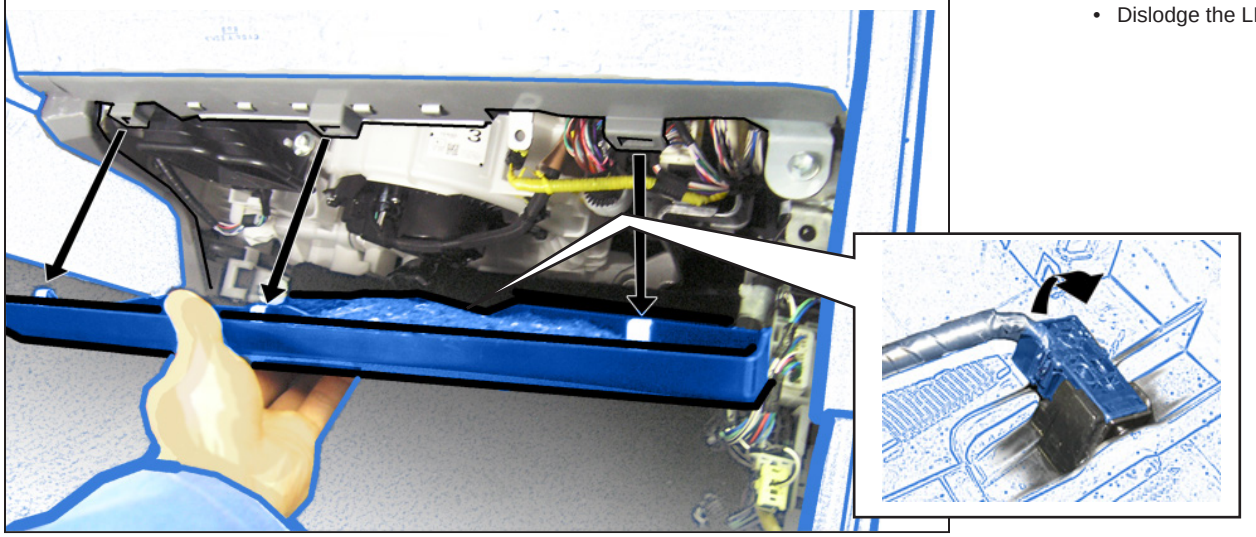
a. Remove the PS Step Cover.

Nylon Panel Removal Tool Fig. 3-2



b. Remove the PS Cowl Cover.
   - Remove 1 Nut.

Nylon Panel Removal Tool Fig. 3-3



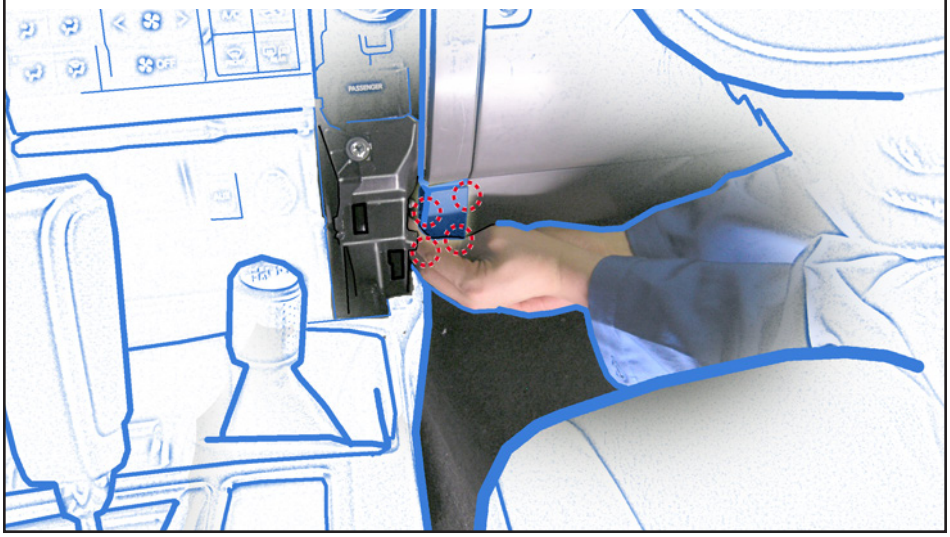
c. Remove the Glove Box Under Cover.
   - Dislodge the LED if present.

Nylon Panel Removal Tool Fig. 3-4



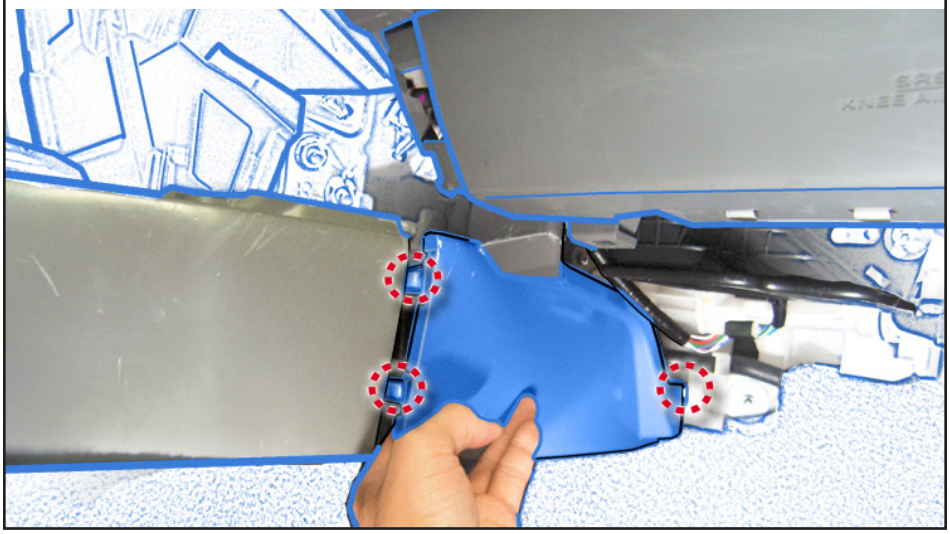
d. Remove the PS IP Trim.

Nylon Panel Removal Tool Fig. 3-5



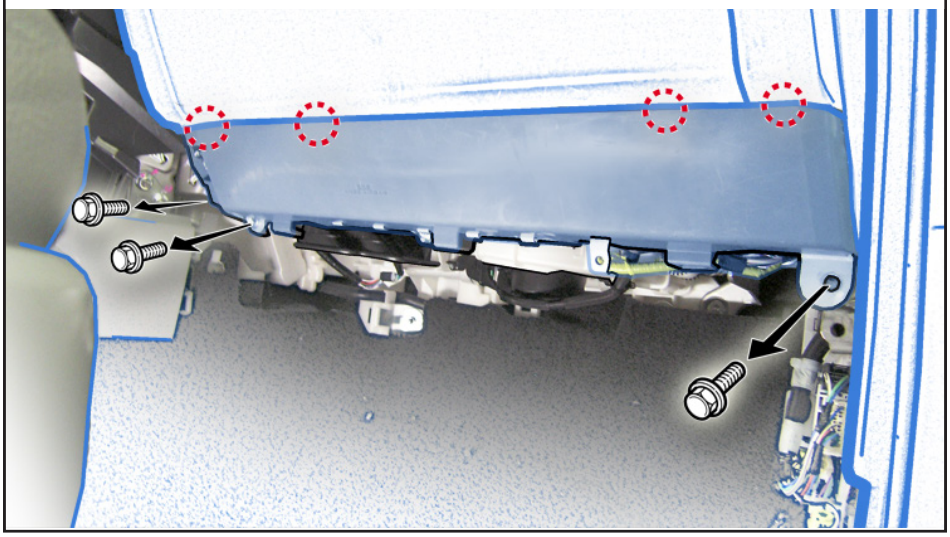
e. Remove the Lower Glove Box Trim.

Nylon Panel Removal Tool Fig. 3-6



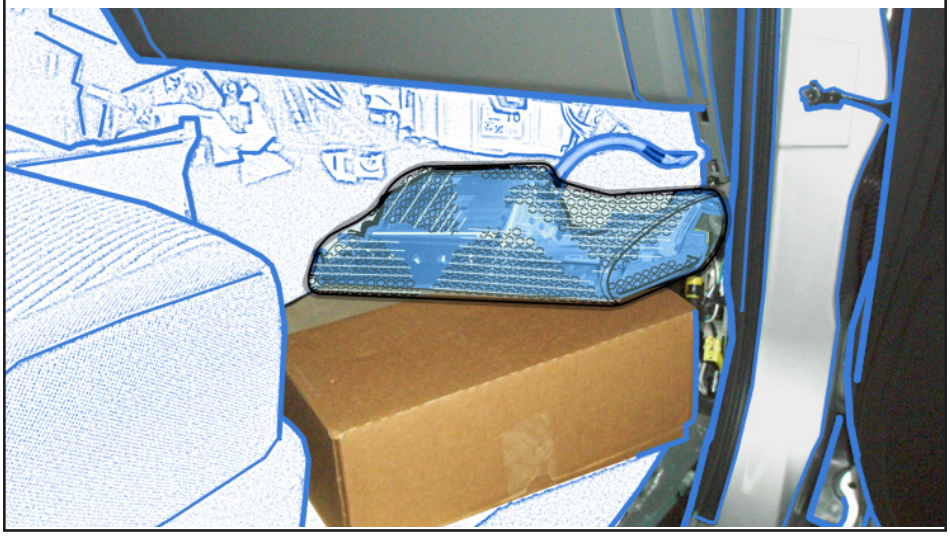
f. Remove the PS Center Console Trim.

Nylon Panel Removal Tool, 10mm Socket Fig. 3-7



g. Dislodge the PS Knee Airbag.
   - Remove 3 Bolts.

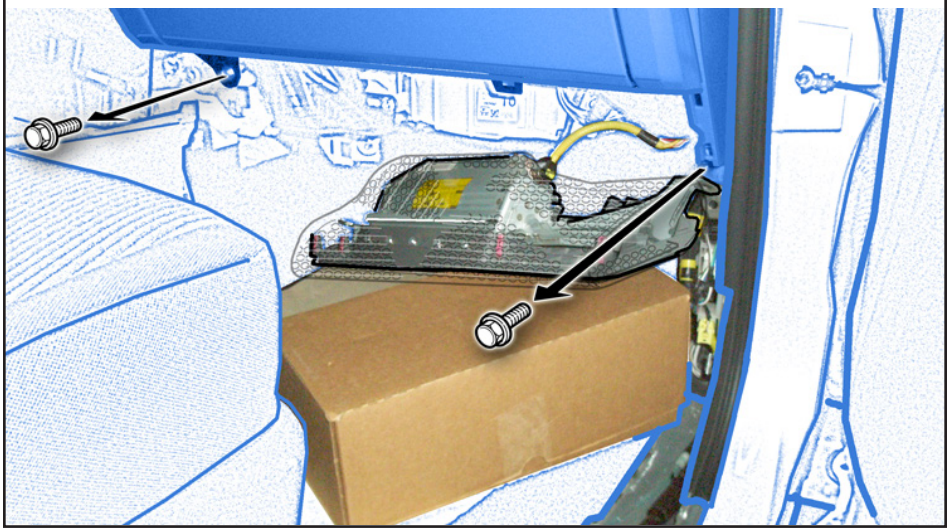
Fig. 3-8



h. Wrap the Airbag in a blanket and place on the TVIP Box.

10mm Socket

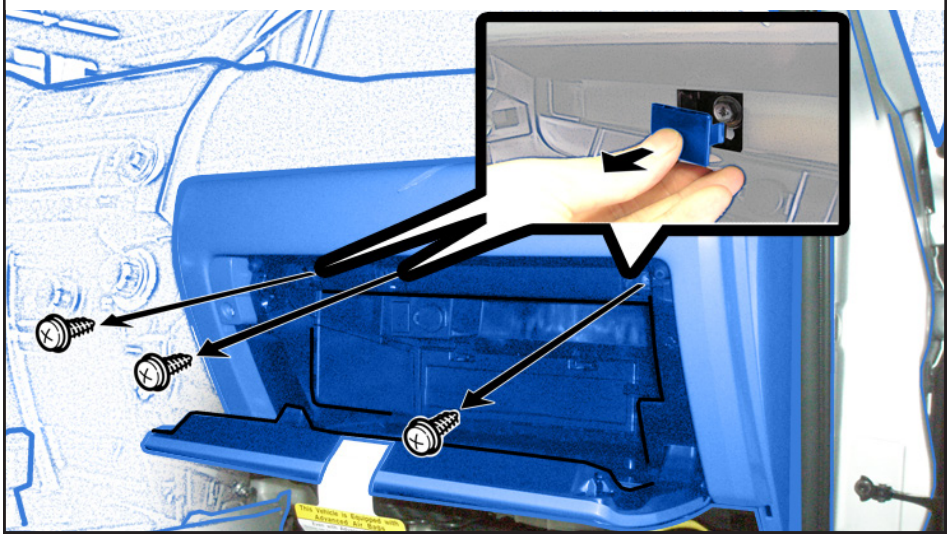
Fig. 3-9



i. Remove the 2 Bolts from the bottom of the Glove box.

Nylon Panel Removal Tool, Phillips Screwdriver

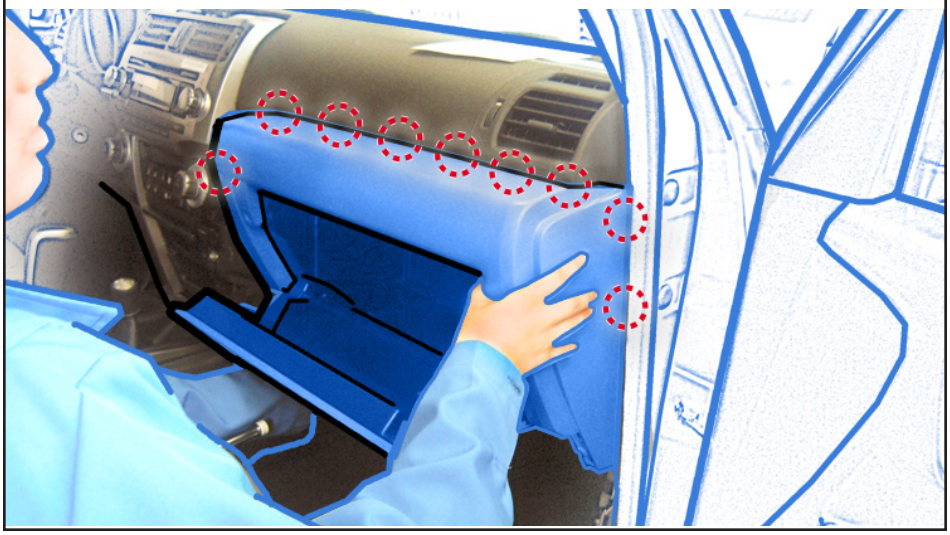
Fig. 3-10



j. Remove the 3 Screws from the Glove box.

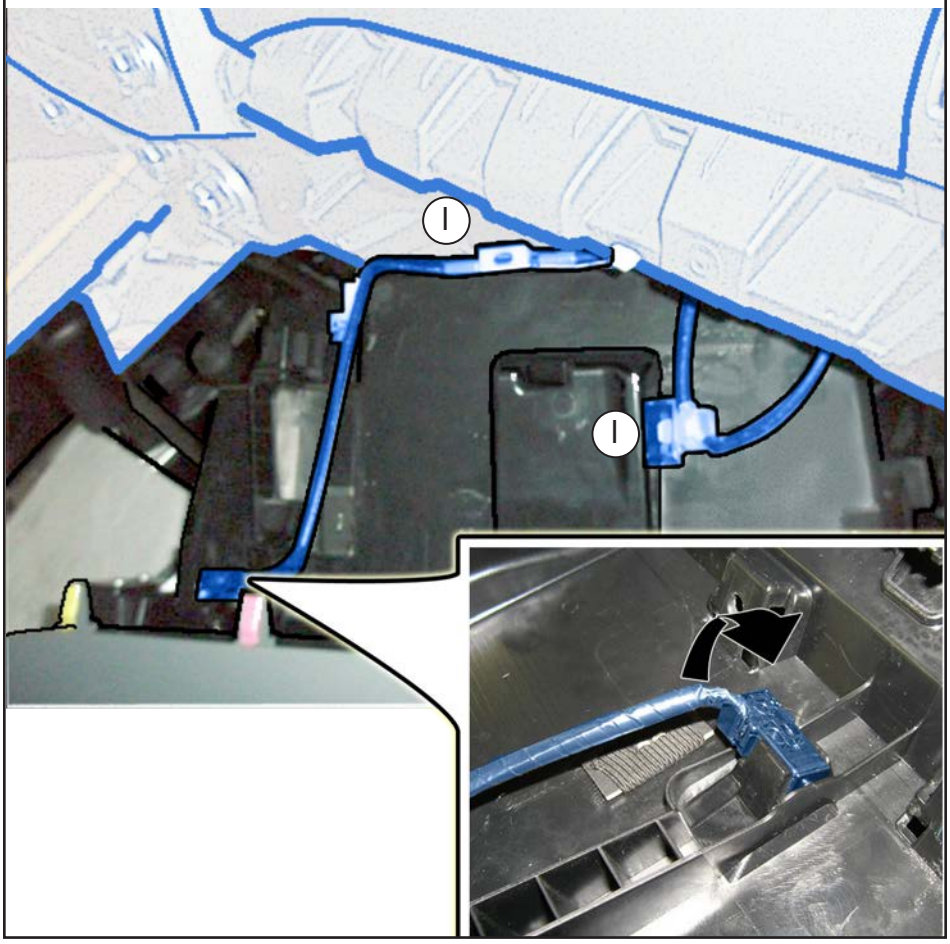
- Open the Glove box.
- Remove the 3 Covers.

Nylon Panel Removal Tool Fig. 3-11



k. Dislodge the Glove box.

Nylon Panel Removal Tool, Needle-nose Pliers Fig. 3-12

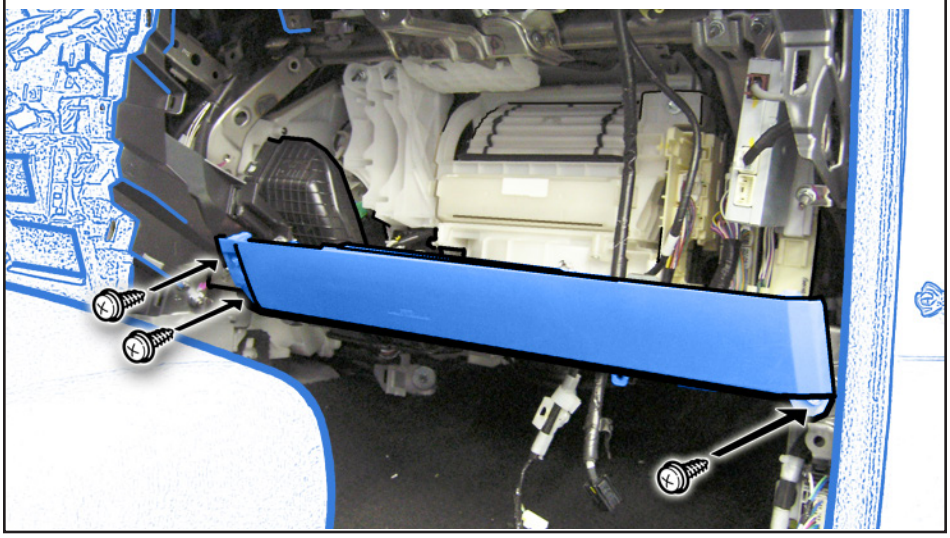


l. Dislodge 2 Harness Clamps.

m. Remove Glove box light.

10mm Socket

Fig. 3-13



n. Temporarily Re-install the Passenger's Knee Airbag.
   - Tighten 3 Bolts.

Nylon Panel Removal Tool

Fig. 4-1

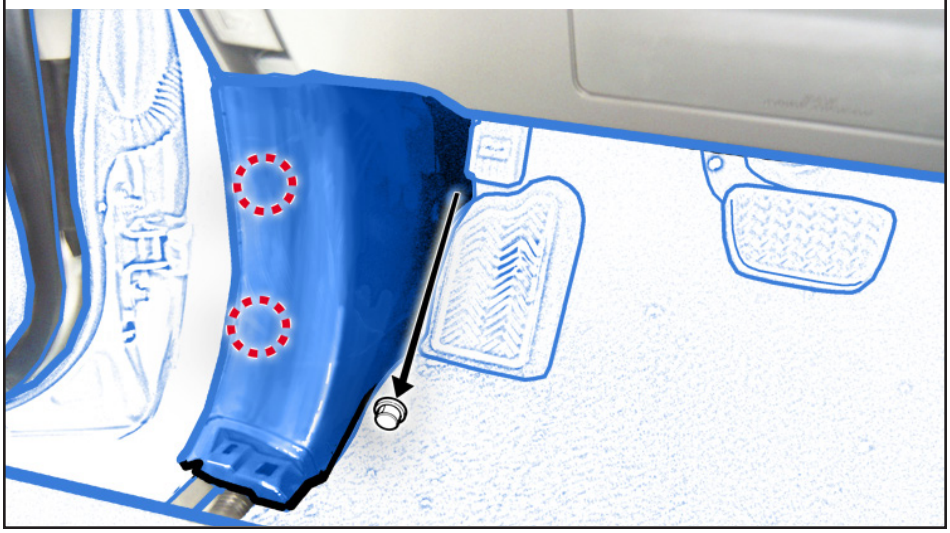


4. Disassembly (Driver's Area)

a. Remove the DS Step Cover.

Nylon Panel Removal Tool

Fig. 4-2



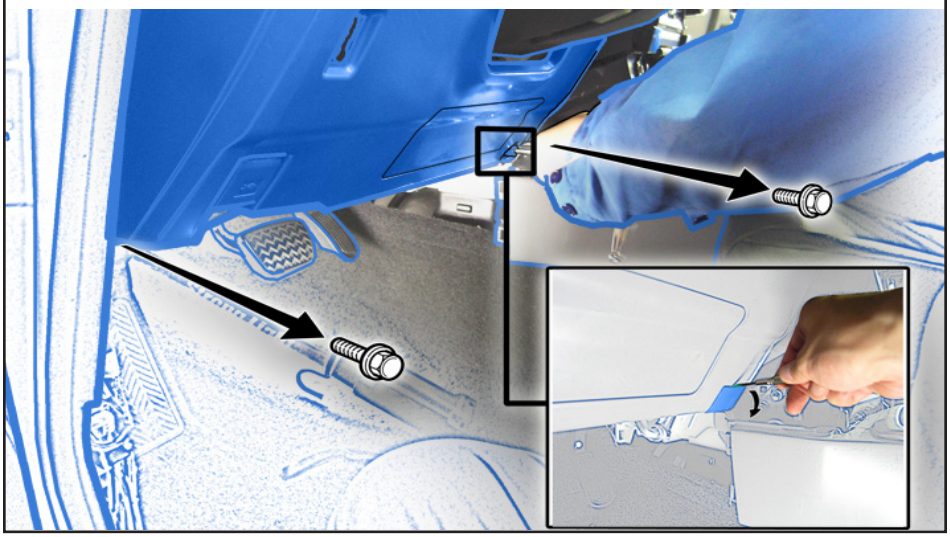
b. Remove the DS Cowl Cover.
   - Remove 1 Nut.

Nylon Panel Removal Tool Fig. 4-3



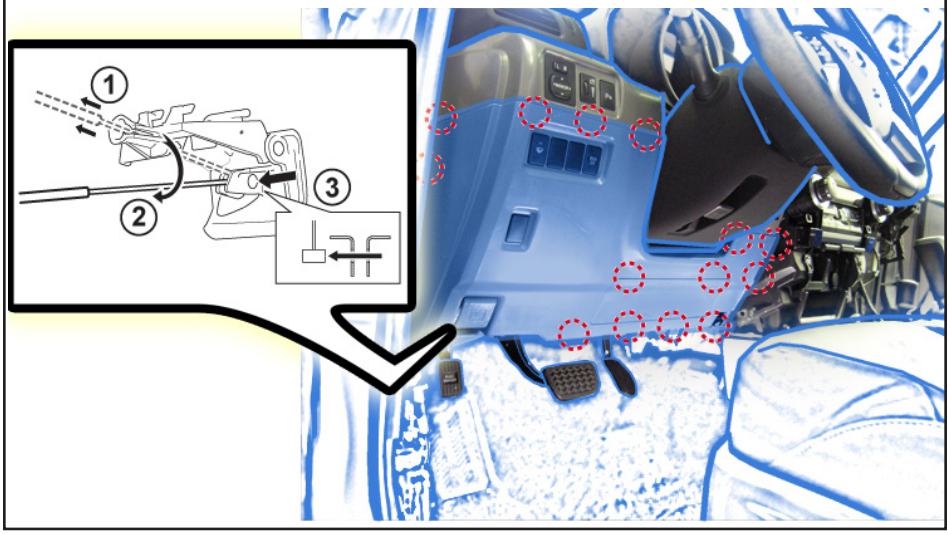
c. Remove the DS IP Trim.

10mm Socket, Flat Blade Jeweler's Screwdriver Fig. 4-4



d. Remove the 2 Bolts on the DS Lower Dash.
   - Open the cover using Flat Blade Jeweler's Screwdriver.

Nylon Panel Removal Tool Fig. 4-5



e. Remove the DS Lower Dash.
   - Dislodge the Hood Release Cable.

Phillips Screwdriver Fig. 4-6



f. Remove the 2 Screws on the Steering Column Cover.

Nylon Panel Removal Tool Fig. 4-7



g. Dislodge the Center Clip on the Steering Column.

CAUTION: Do not force this clip as it is very easy to break.

Nylon Panel Removal Tool Fig. 4-8



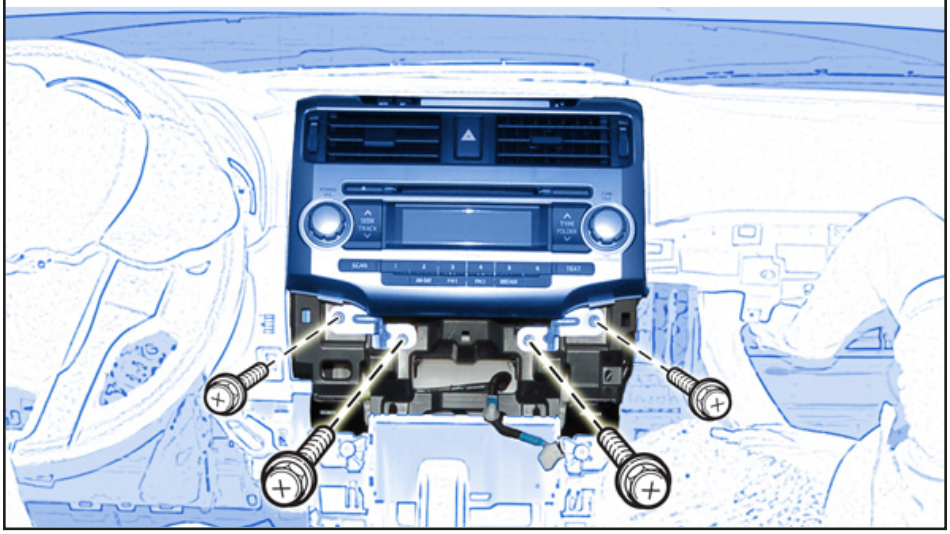
h. Remove the Steering Column Cover.

Nylon Panel Removal Tool Fig. 4-9



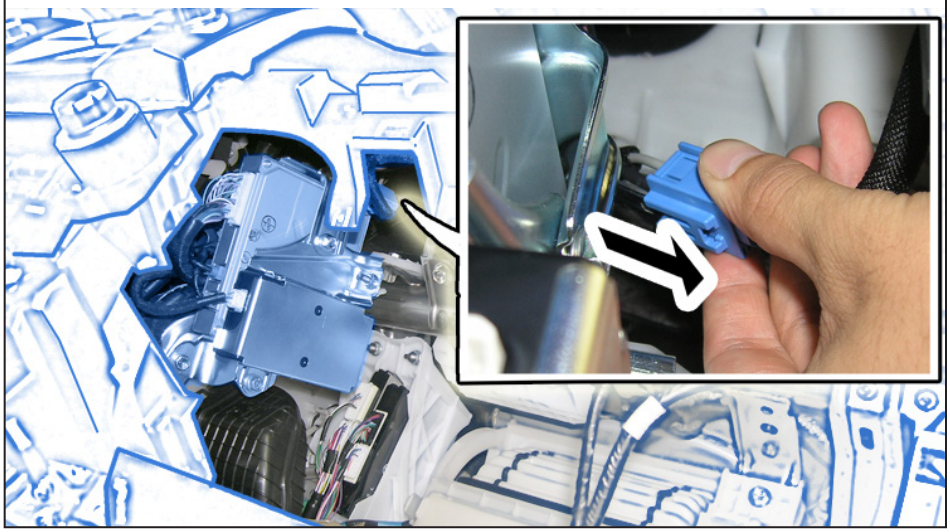
i. Remove the A/C Panel.

10mm Socket Fig. 4-10



j. Remove the Audio Unit.
- Remove 4 Bolts.

Fig. 4-11

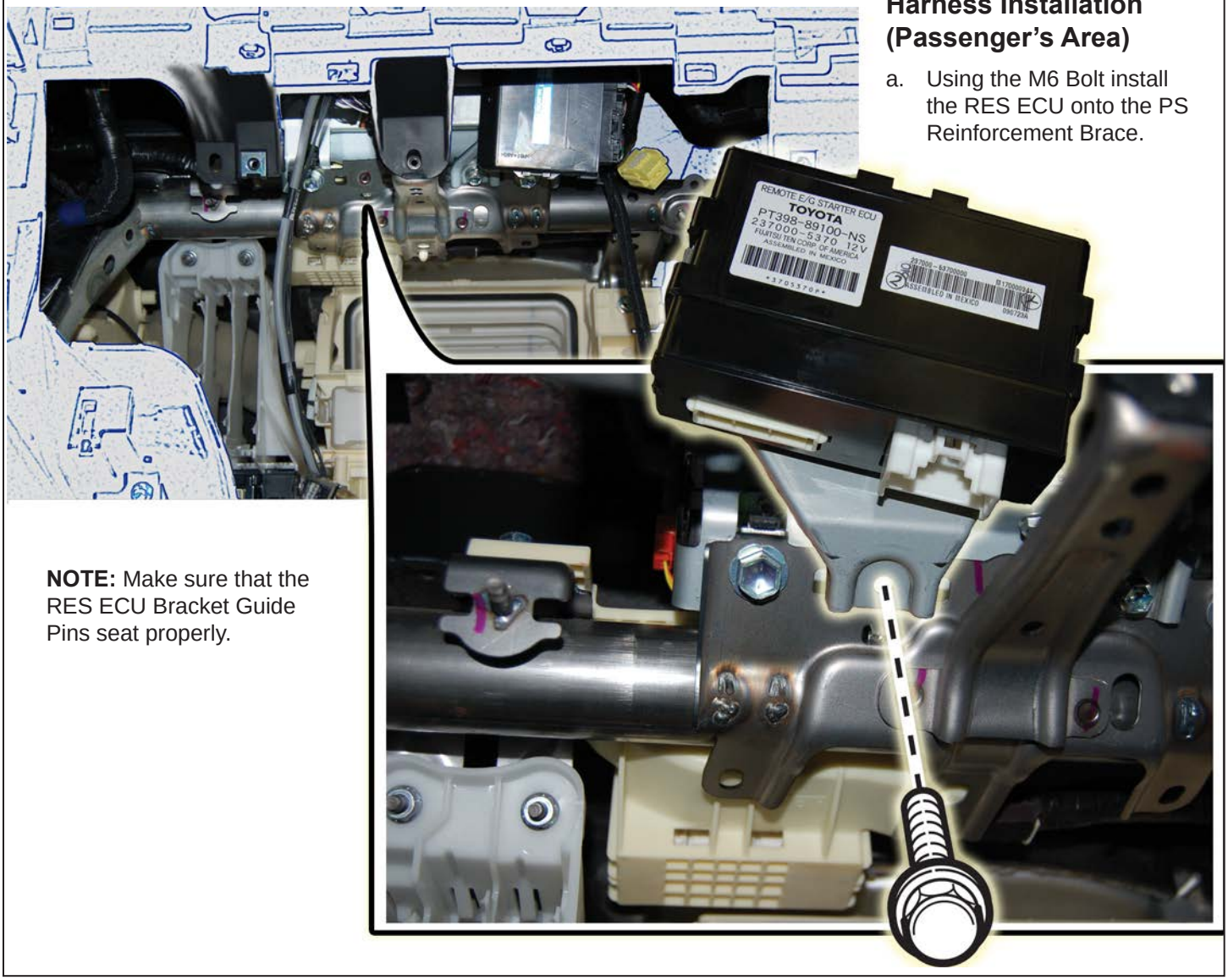


Vehicles with Mayday ECU ONLY

k. Dislodge the Connector as shown.

10mm Socket

Fig. 5-1

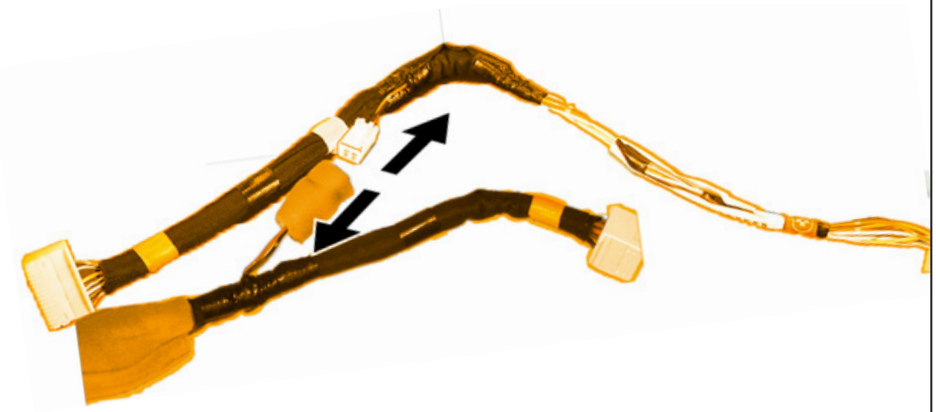


5. V4 ECU and Wire Harness Installation (Passenger's Area)

a. Using the M6 Bolt install the RES ECU onto the PS Reinforcement Brace.

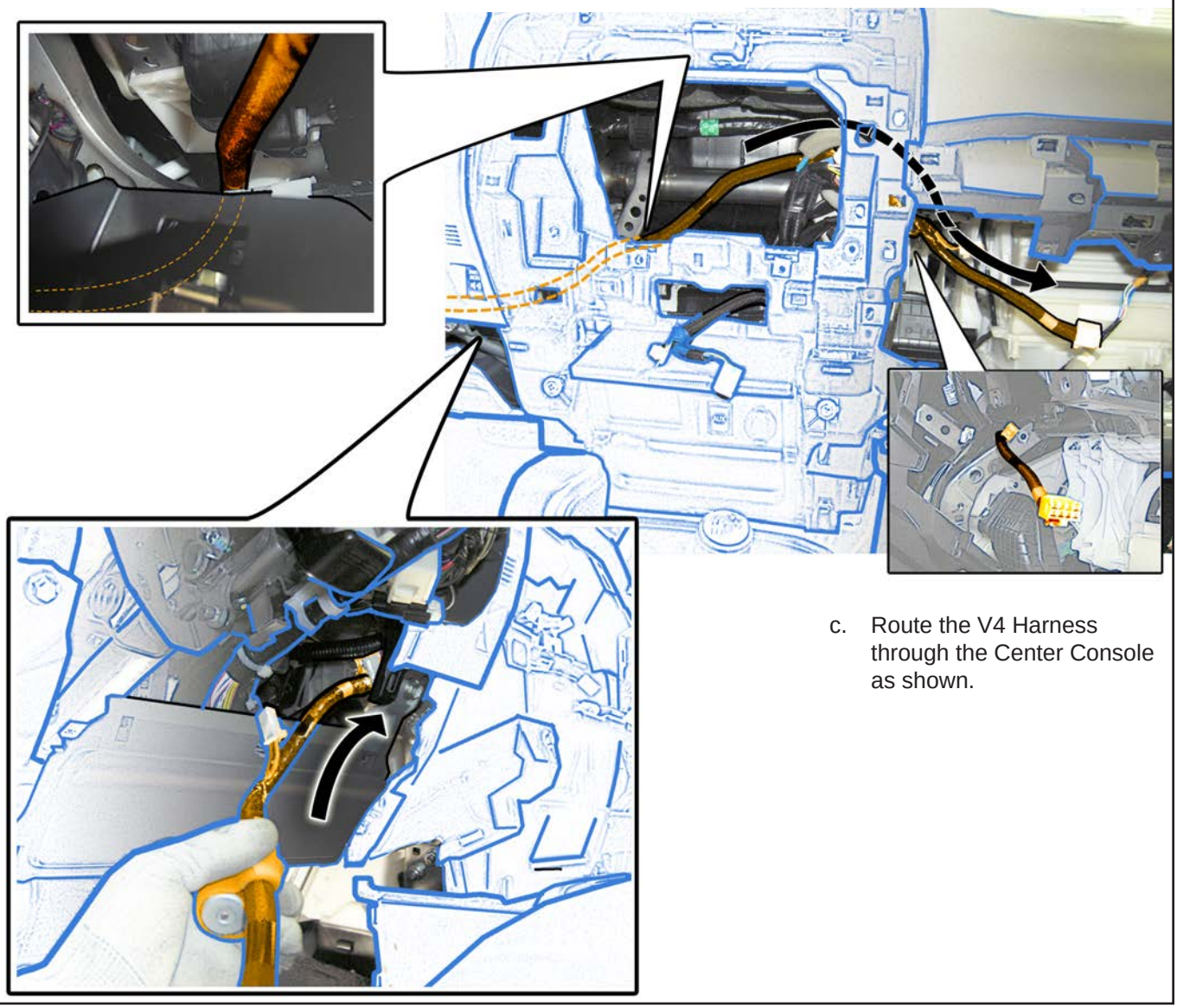
NOTE: Make sure that the RES ECU Bracket Guide Pins seat properly.

Fig. 5-2



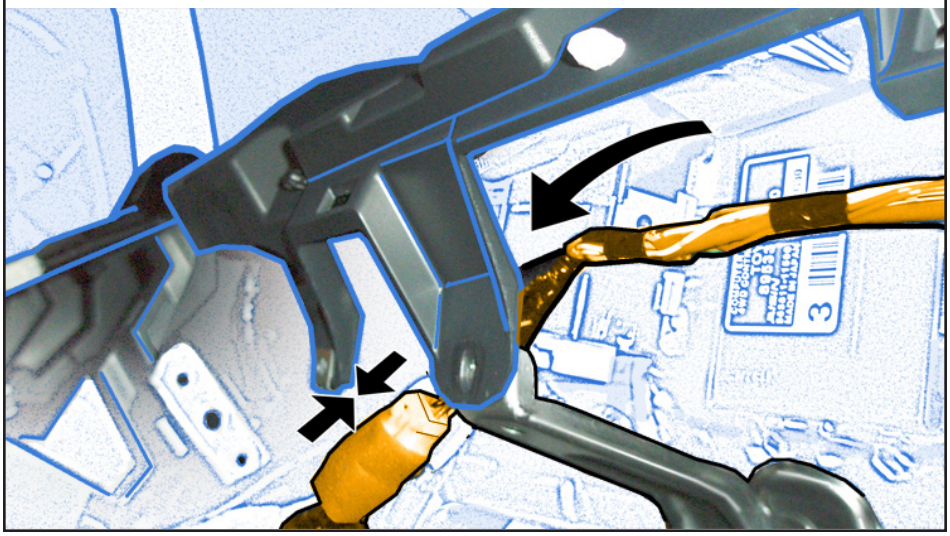
b. Disconnect the V4's 2P Connectors.

Fig. 5-3



c. Route the V4 Harness through the Center Console as shown.

Fig. 5-4



d. Connect the V4's 2P Male and Female Connectors together.

Side Cutters

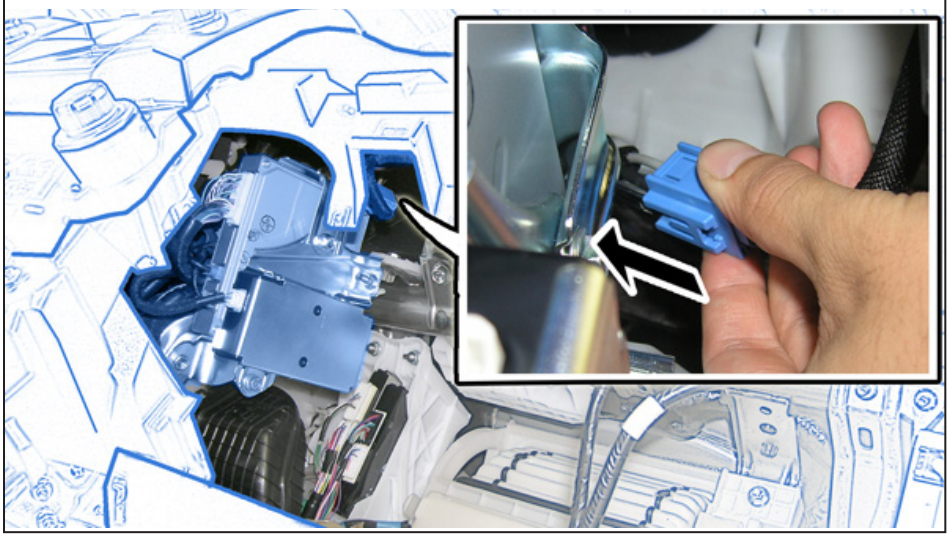
Fig. 5-5



e. Secure the V4's White Tape Marker and the 2P Connector to the Vehicle Harness with 1 Wire Tie.

f. Secure the V4 Harness's Relay to the Vehicle Harness with 1 Wire Tie.

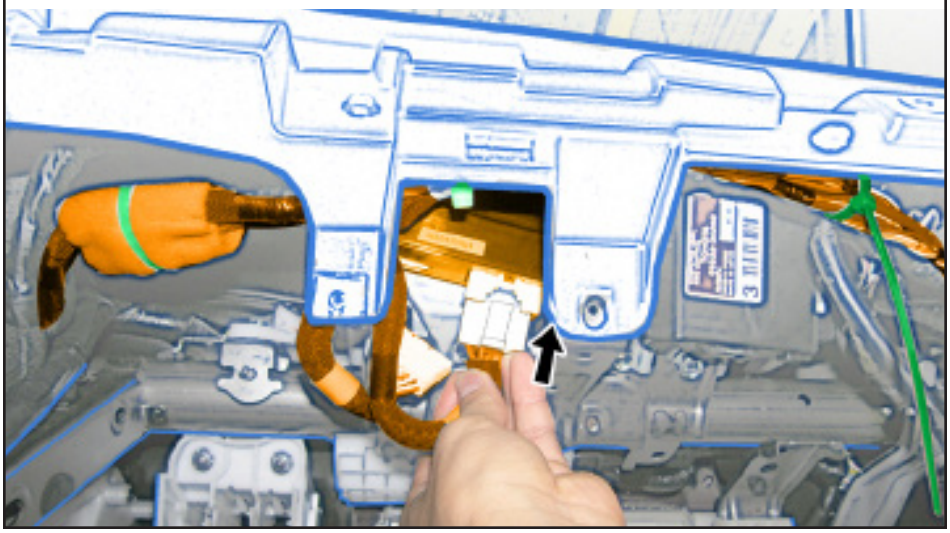
Fig. 5-6



Vehicles with Mayday ECU ONLY

g. Reconnect the Mayday ECU Connector.

Fig. 5-7



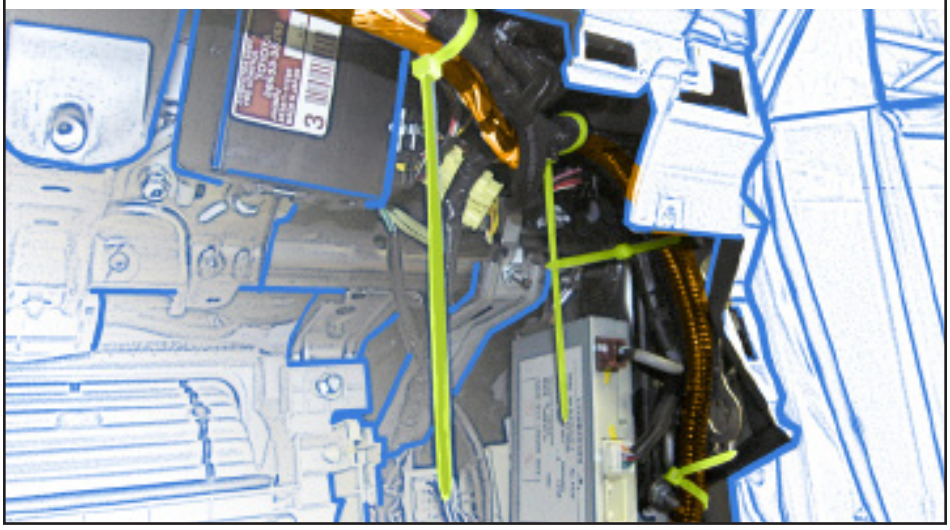
h. Connect the V4's 24P and 8P Connectors to the RES ECU.

Side Cutters Fig. 5-8



i. Secure the V4 Connector Harnesses together with 1 Wire Tie.

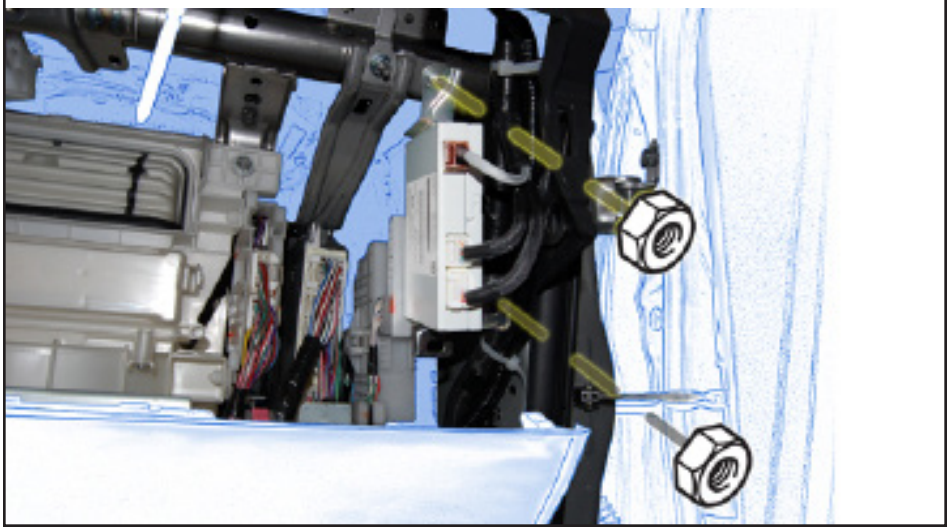
Side Cutters Fig. 5-9



j. Route the V4 Harness toward the Passenger's Cowl Area as shown.

k. Secure the V4 Harness to the Vehicle Harness with 4 Wire Ties.

Side Cutters Fig. 5-10

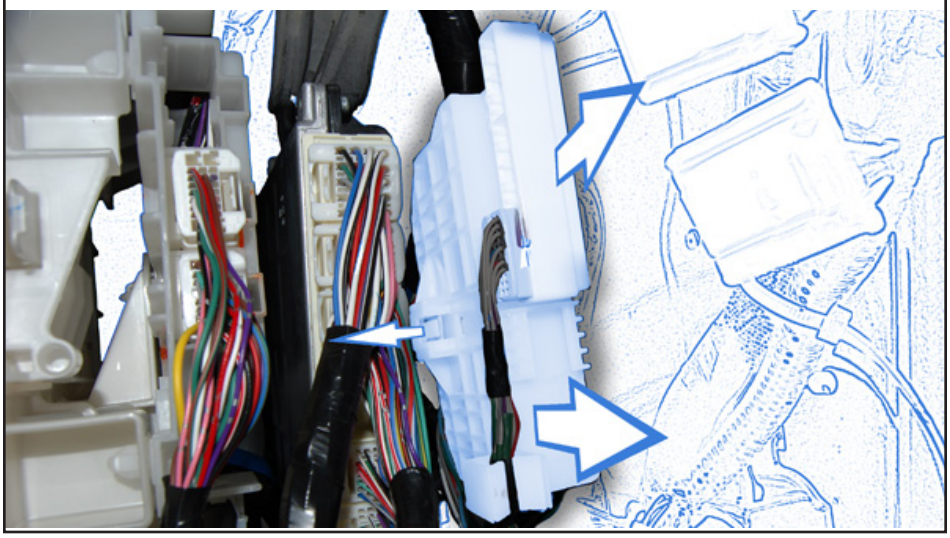


Vehicles with USB ECU ONLY

l. Remove the USB ECU.

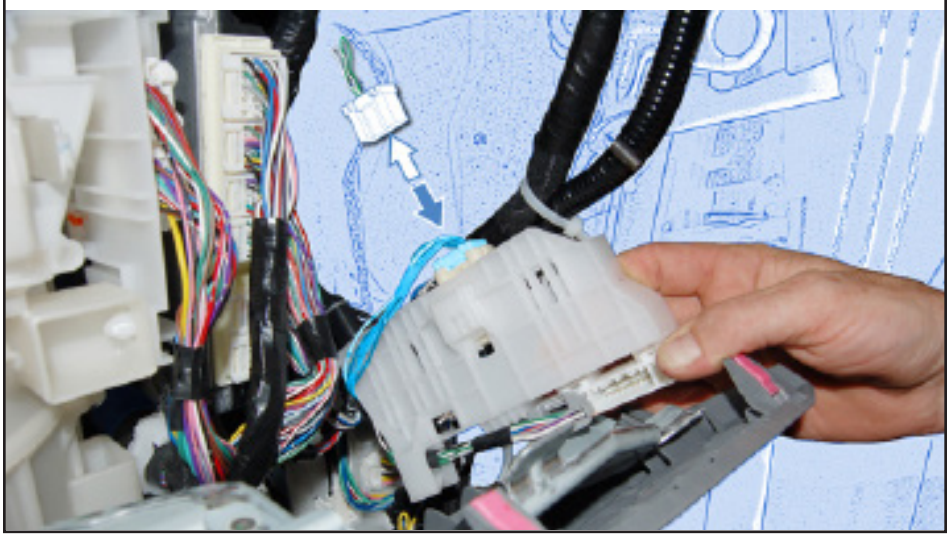
- Remove 2 nuts.

Fig. 5-11



m. Dislodge the Passenger's Side Junction Box (J/B).
   - Release 1 Clip.

Fig. 5-12



n. Locate the 7P Pre-connector on the backside of the Passenger's J/B.

o. Disconnect the Vehicle's 7P Pre-connector.

CAUTION: Do not discard the pre-connector.

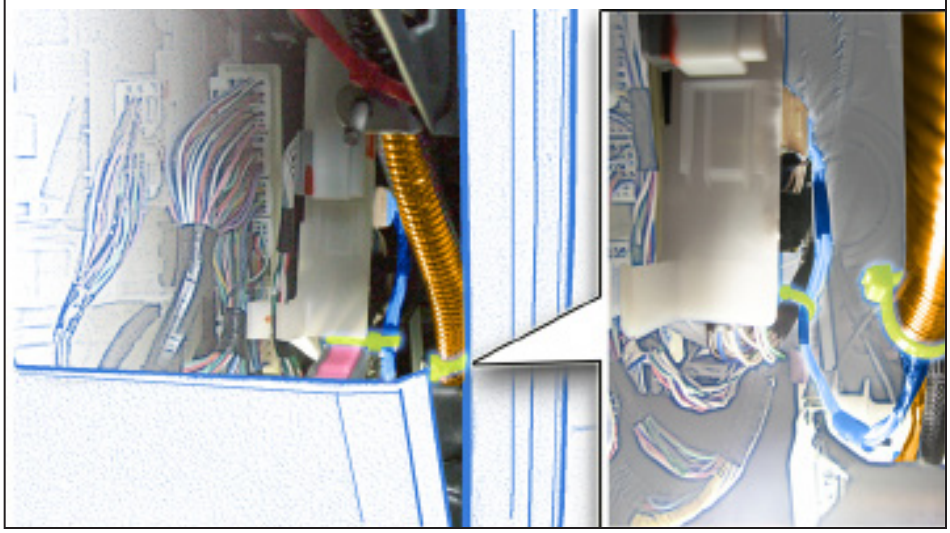
p. Plug the V4 7P Connector into the Vehicle's 7P Connector.

q. Reinstall the J/B.

r. Reinstall the USB ECU (if Equipped)

Side Cutters

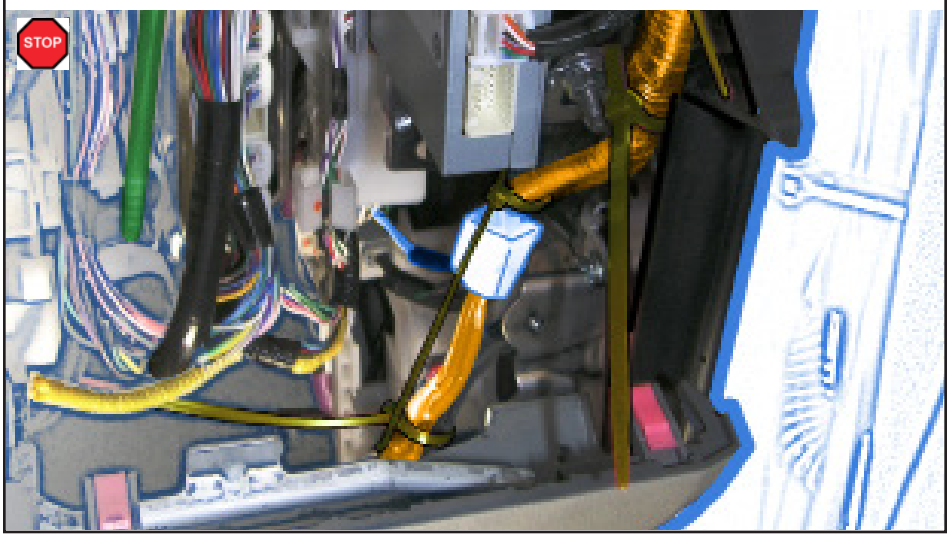
Fig. 5-13



s. Using 2 Wire Ties secure the V4 Harness to the Vehicle Harness.

Electrical Tape

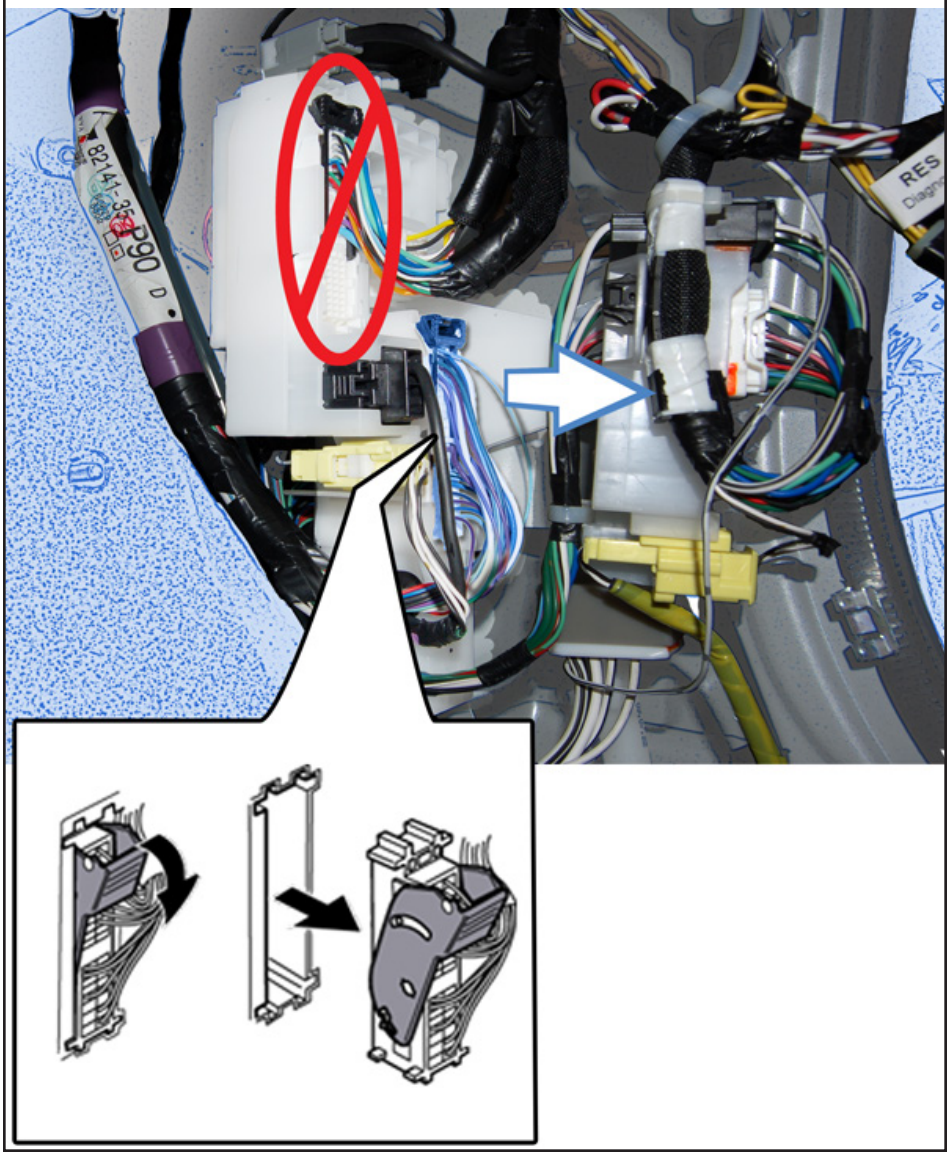
Fig. 5-14



t. Using Electrical Tape secure the Vehicle's 7P Pre-connector to the Vehicle Harness.

NOTE: If the RES system is removed this Pre-connector must be re-installed.

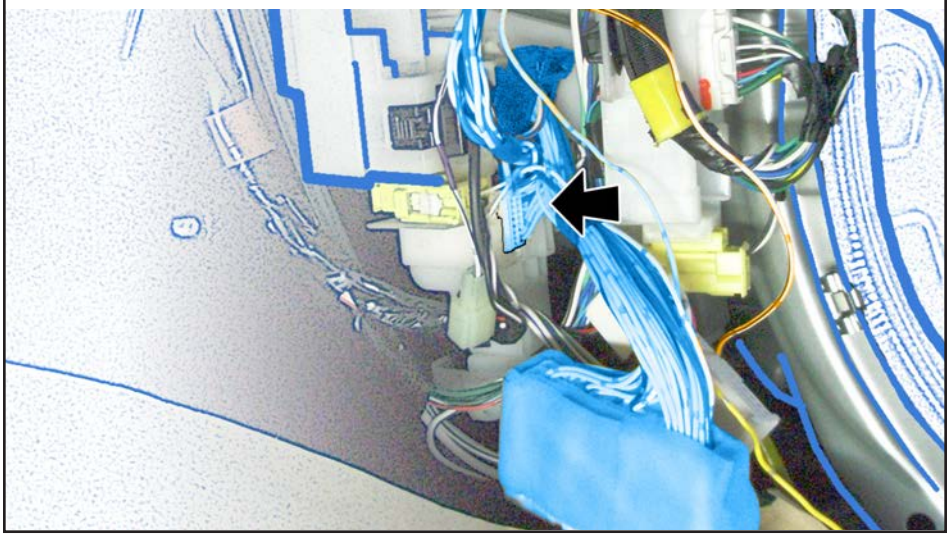
Fig. 5-15



u. Disconnect the 64P Vehicle Connector from the Passenger's Cowl area.

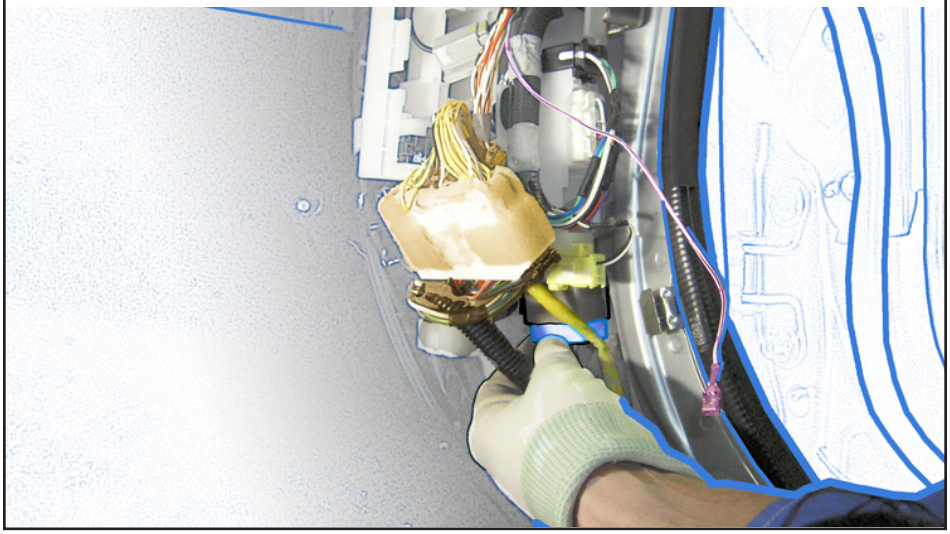
NOTE: Some Vehicles may have two 64P Connectors present. Make sure you disconnect the correct one.

Fig. 5-16



v. Connect the V4's 64P Connectors in between the Vehicle's 64P Connectors.

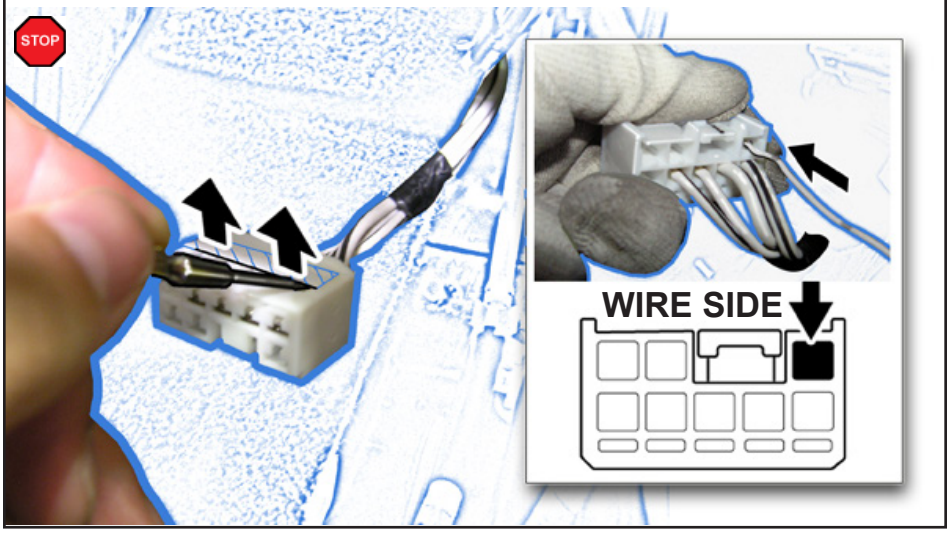
Fig. 5-17



w. Disconnect the 8P Vehicle Connector from the Passenger's Cowl area.

Flat Blade Jeweler's Screwdriver

Fig. 5-18



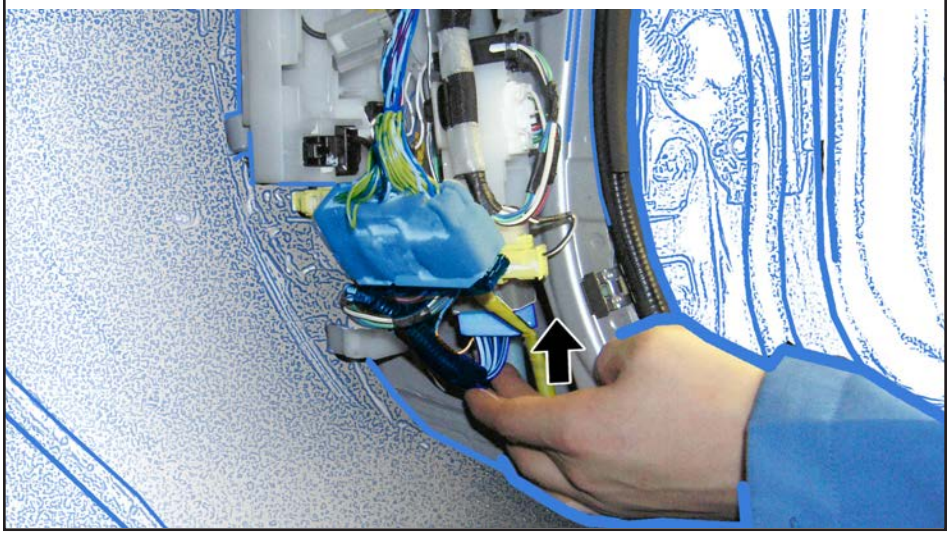
x. Lift up the Terminal Retainer Clip.
   - Do not pull out the Retainer.

y. Insert the V4 White/Black Wire Terminal into the indicated location on the 8P Vehicle Connector.

z. Close the Terminal Retainer.

STOP
- Make sure that the Terminal does not come out when pulled from the back.

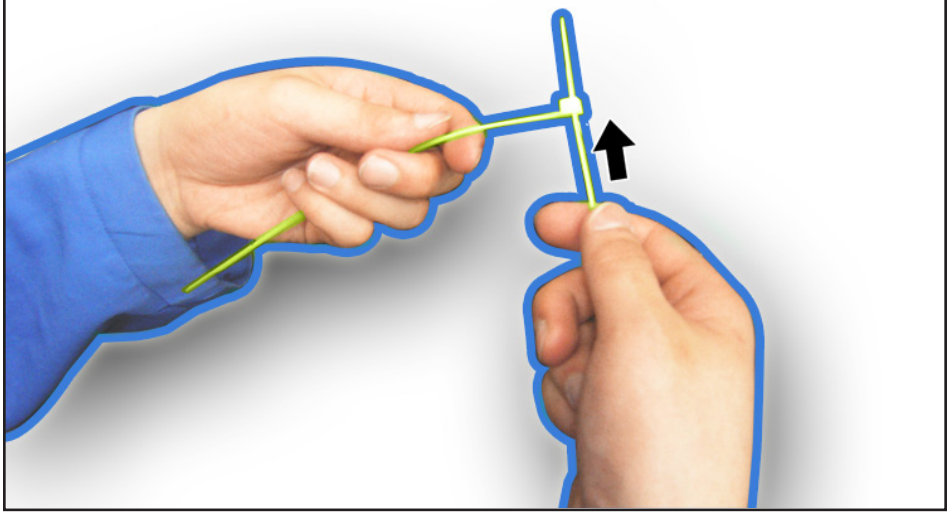
Fig. 5-19



aa. Reconnect the Vehicle's 8P Connector.

Side Cutters

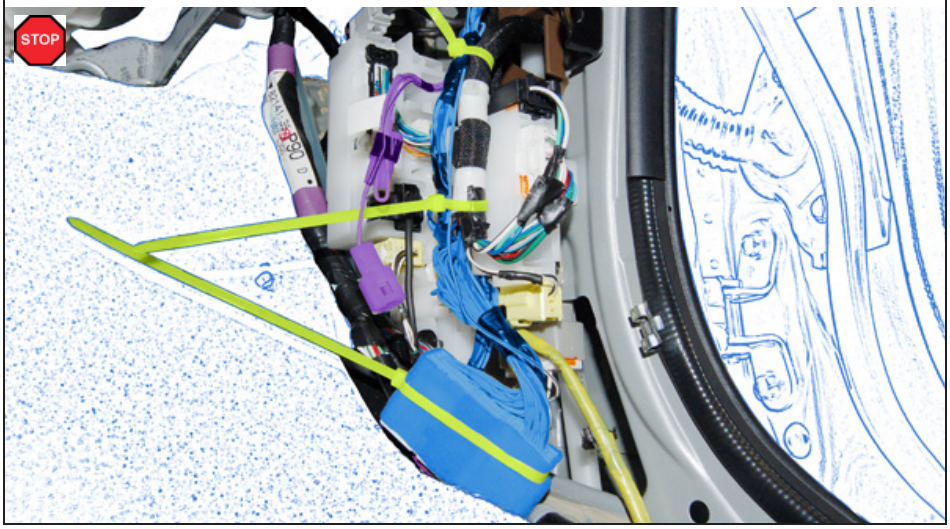
Fig. 5-20



ab. Connect 2 Wire Ties together to make 1 long Wire Tie.

Side Cutters

Fig. 5-21



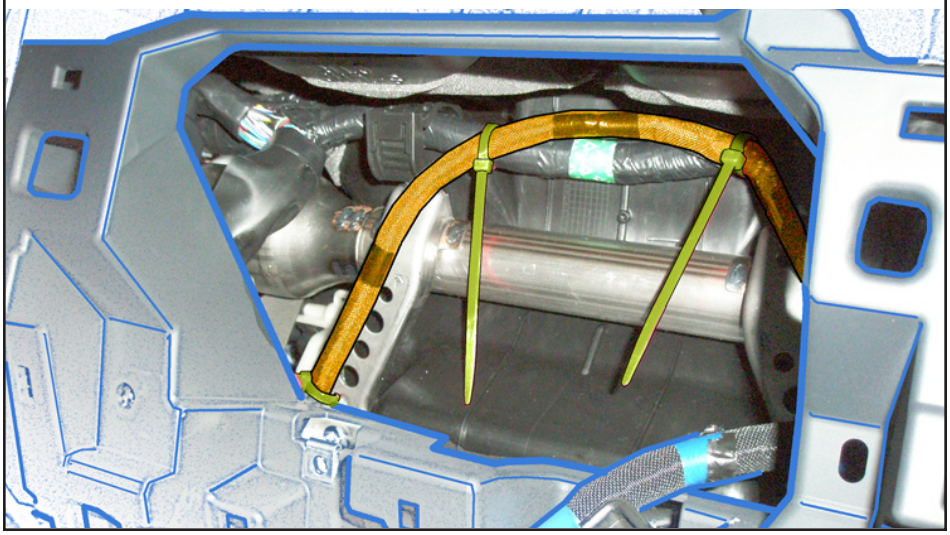
ac. Use the Double Wire Tie to secure the V4 64P Connector to the Vehicle Harness.
- Route the Wire Tie created around the V4 64P Connector and Vehicle Harness as shown.

ad. Using 2 Wire Ties secure the V4 Harness to the Vehicle Harness.

STOP **NOTE:** Do not secure the RES Diagnostic Connectors.

Side Cutters

Fig. 6-1



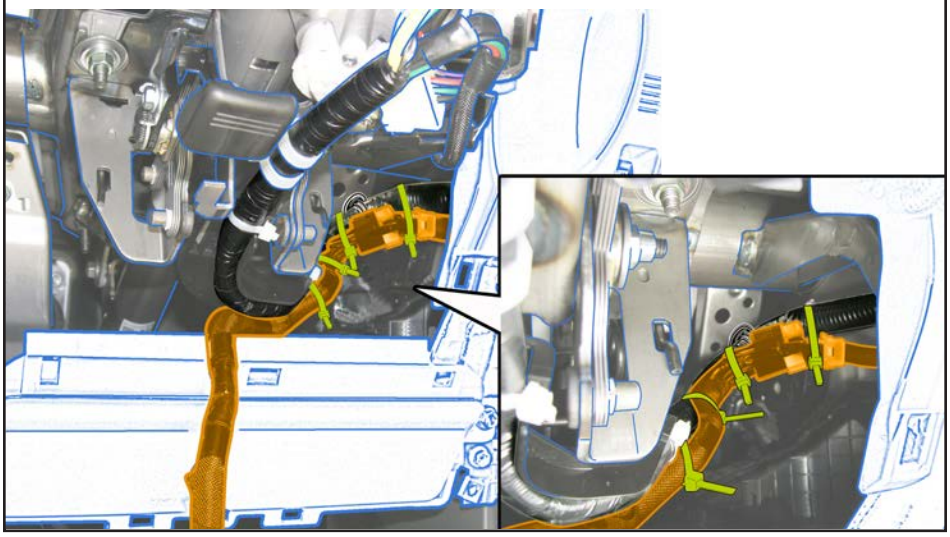
6. V4 Wire Harness Installation

a. Using 2 Wire Ties secure the V4 Harness to the Vehicle Harness.

b. Using 1 Wire Tie secure the V4 Harness to the Vehicle Brace.

Side Cutters

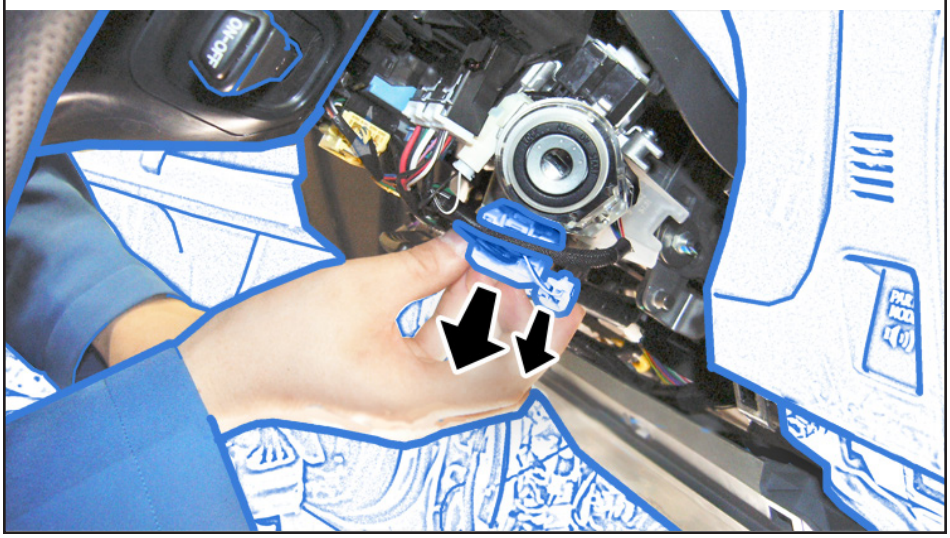
Fig. 6-2



c. Using 2 Wire Ties secure the V4 Harness's Diode and Fuse to the Vehicle's Harness near the Harness Clamp.

d. Using 2 Wire Ties secure the V4 Harness to the Vehicle Harness.

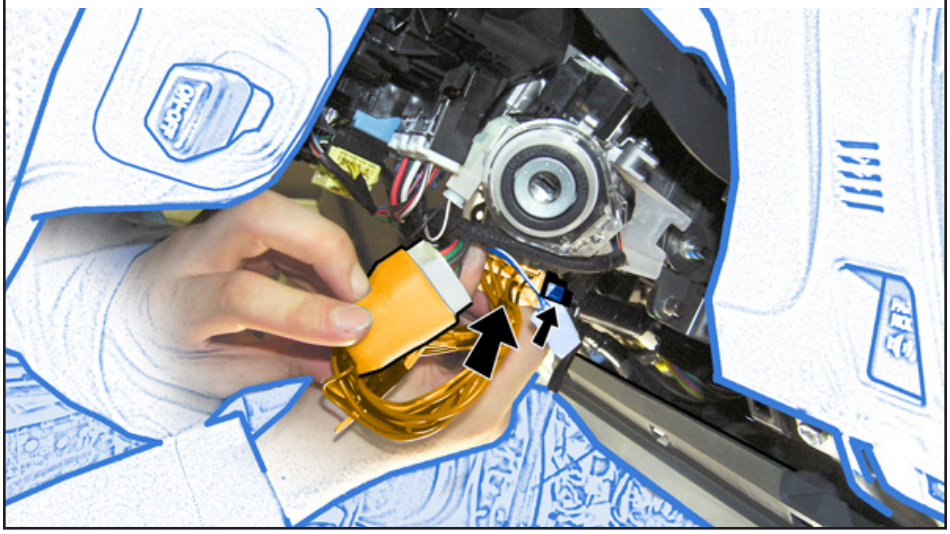
Fig. 6-3



e. Disconnect the Vehicle's 8P Connector from the steering area.

f. Disconnect the Vehicle's 2P Connector from the steering area.

Fig. 6-4

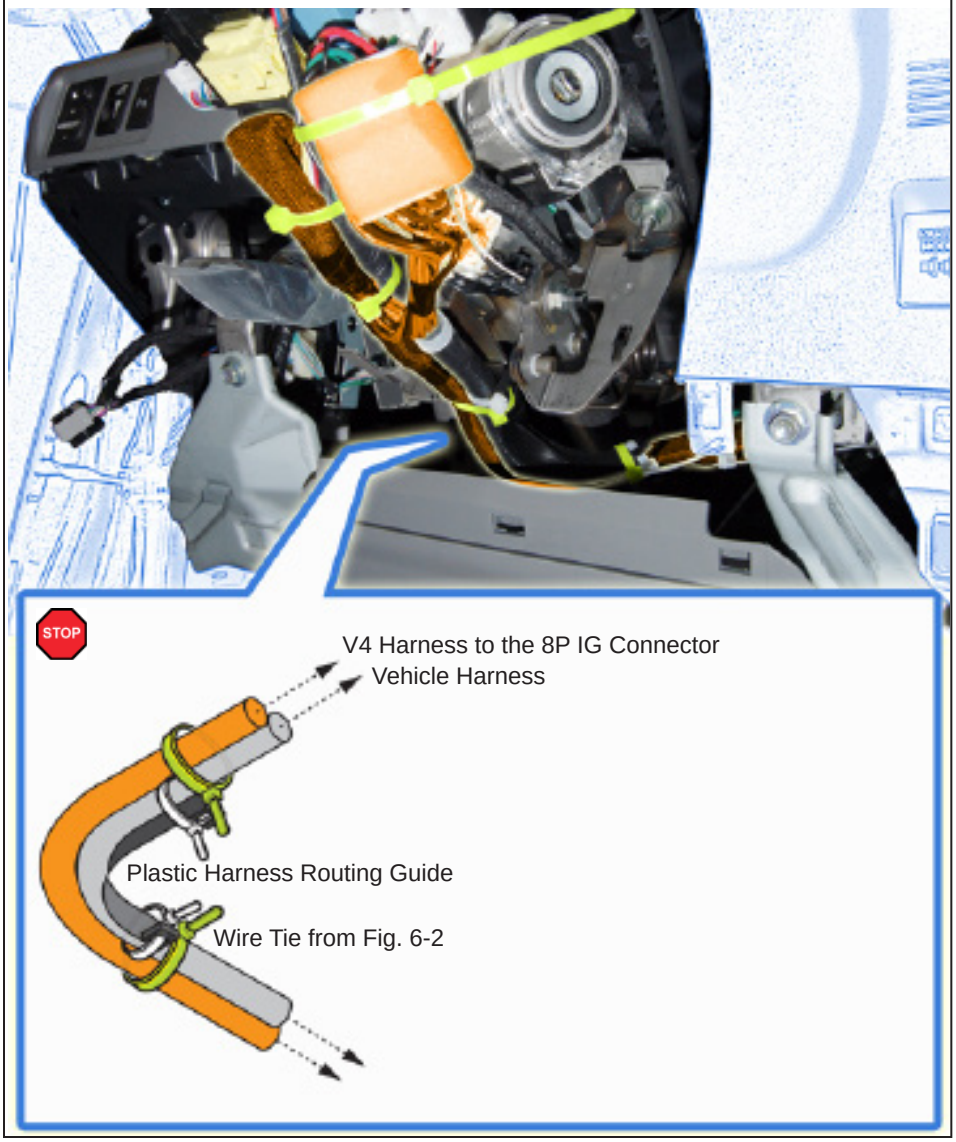


g. Connect the V4 8P Connectors in between the Vehicle's 8P Connectors.

h. Re-connect the Vehicle's 2P Connector.

Side Cutters

Fig. 6-5



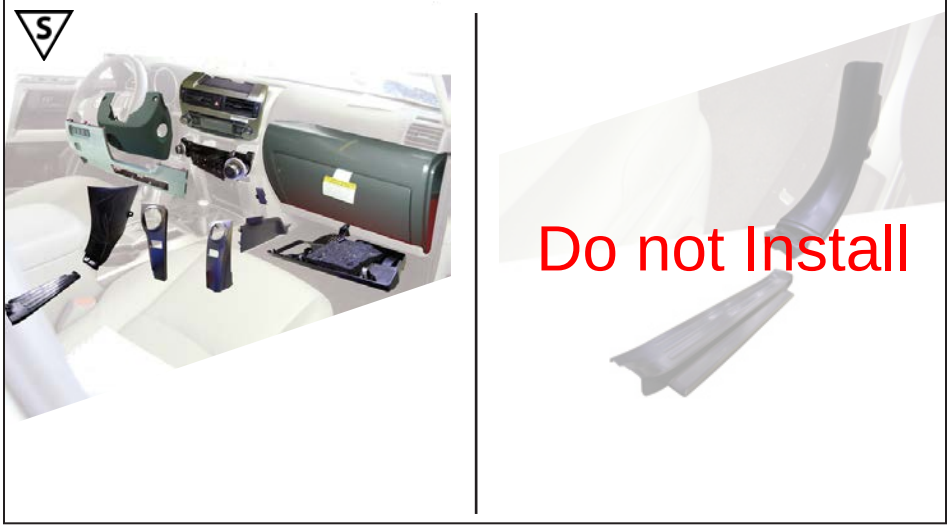
i. Using 1 Wire Tie secure the V4 8P Connector to the Vehicle Harness.

j. Bundle up the excess V4 Harness and secure it to the Vehicle Harness with 1 Wire Tie.

k. Using 2 Wire Ties secure the V4 Harness to the Vehicle Harness.

NOTE: Make sure the V4 Harness is routed along the Vehicle Harness as shown.

Fig. 7-1



7. Registration Preparation

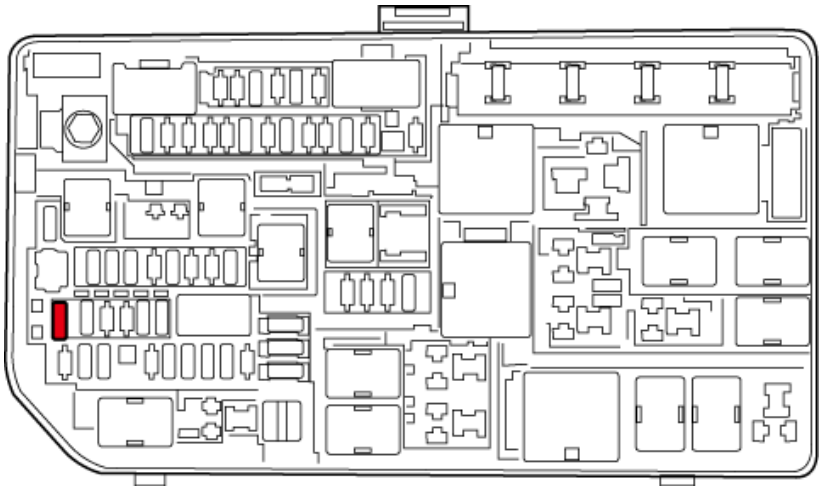
a. Partially reassemble the Vehicle.

VERIFY: That panels fit together properly, with no uneven gaps.

VERIFY: That all Connectors are plugged in.

CAUTION: Make sure to Torque the 3 Bolts of the PS Knee Airbag to 88.5 in•lbf (10 N•m).

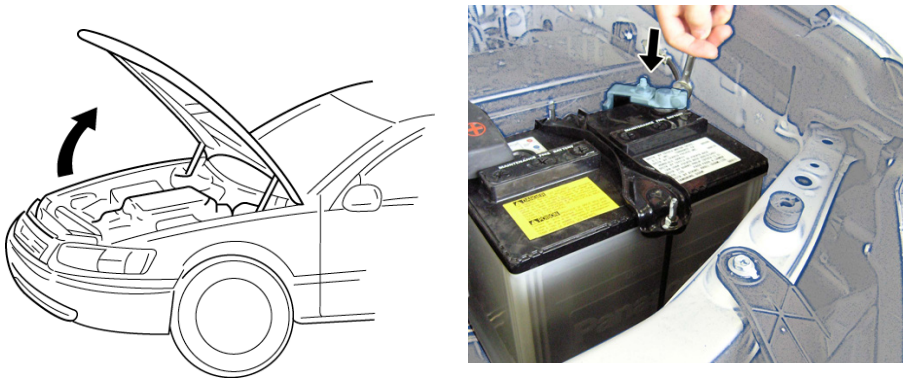
Fig. 7-2



b. Verify that the Short Pin is Installed.

- If not Install now.

Fig. 8-1



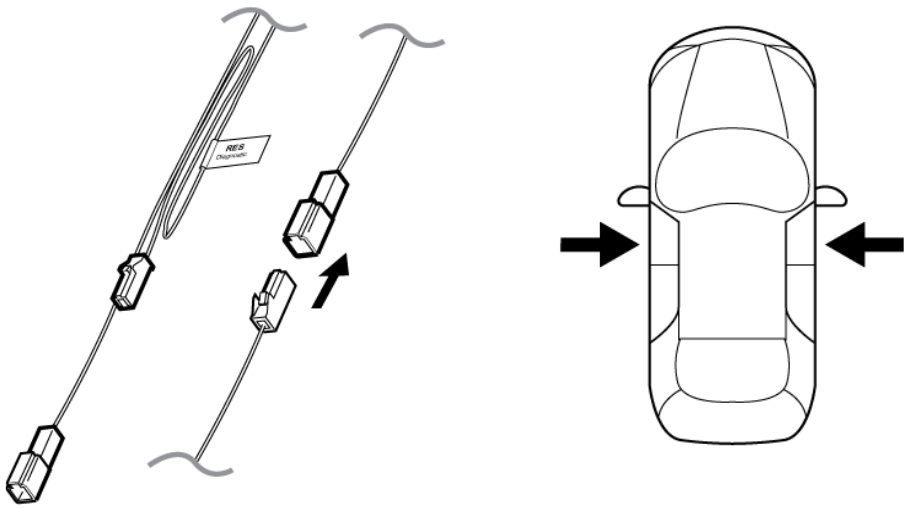
8. Registration

a. Open the Hood.

b. Temporarily reconnect the Negative Battery Cable.

CAUTION: Do not touch the Positive Terminal.

Fig. 8-2

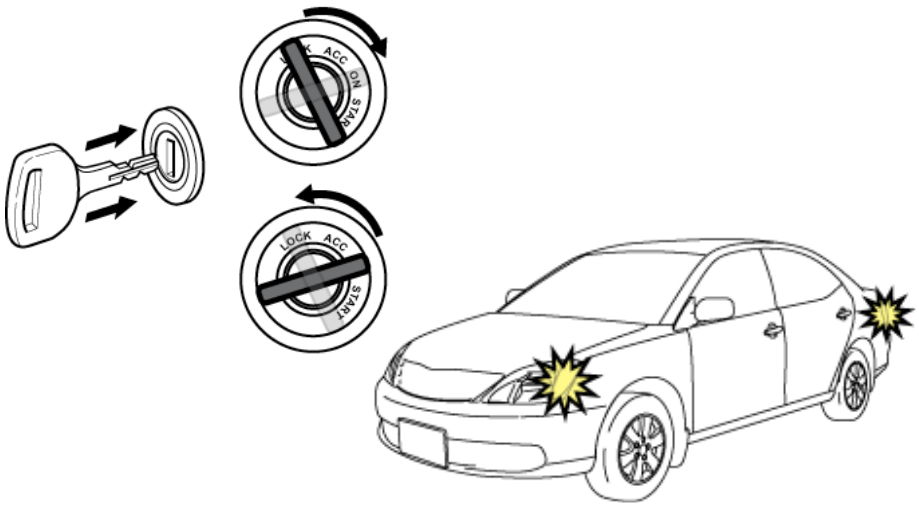


c. Locate the 1P RES Diagnostic Connectors in the Passenger's Side Cowl Area and connect them.

NOTE: Once connected you will have 10 minutes to complete this section, steps d–ac.

d. Close all doors.

Fig. 8-3



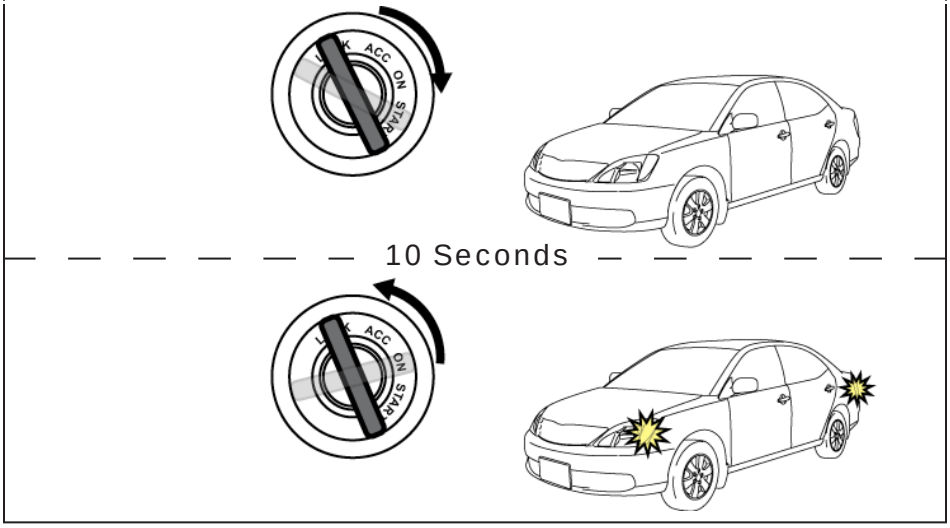
e. Insert the key into the Ignition.

f. Turn it from "OFF" to "ON" 5 times.

LOOK: For the Hazard Lights to flash Once.

g. Turn the key to the "OFF" position.

Fig. 8-4

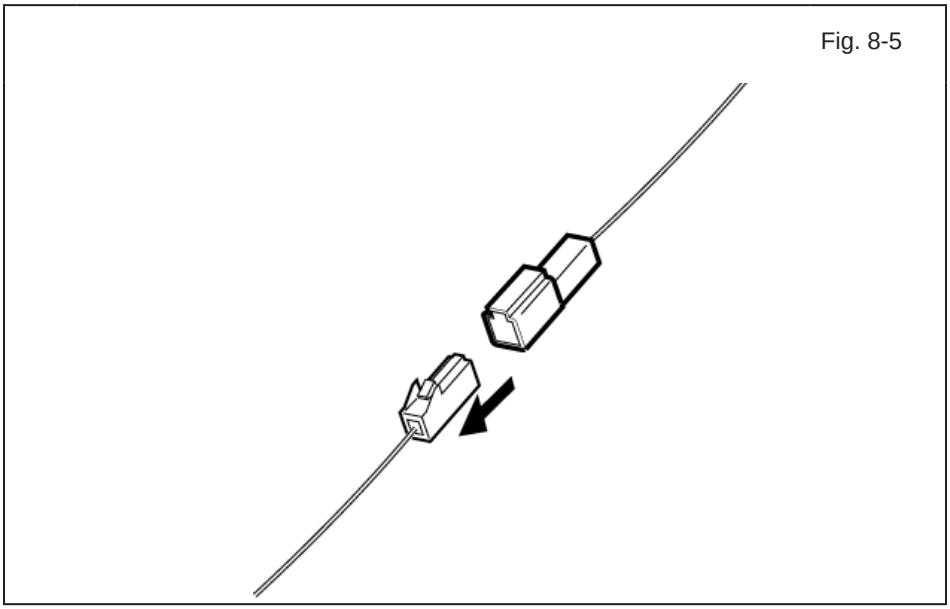


h. Start the Engine.

i. After 10 seconds stop the Engine.

LOOK: For the Hazard Lights to flash Once.

Fig. 8-5

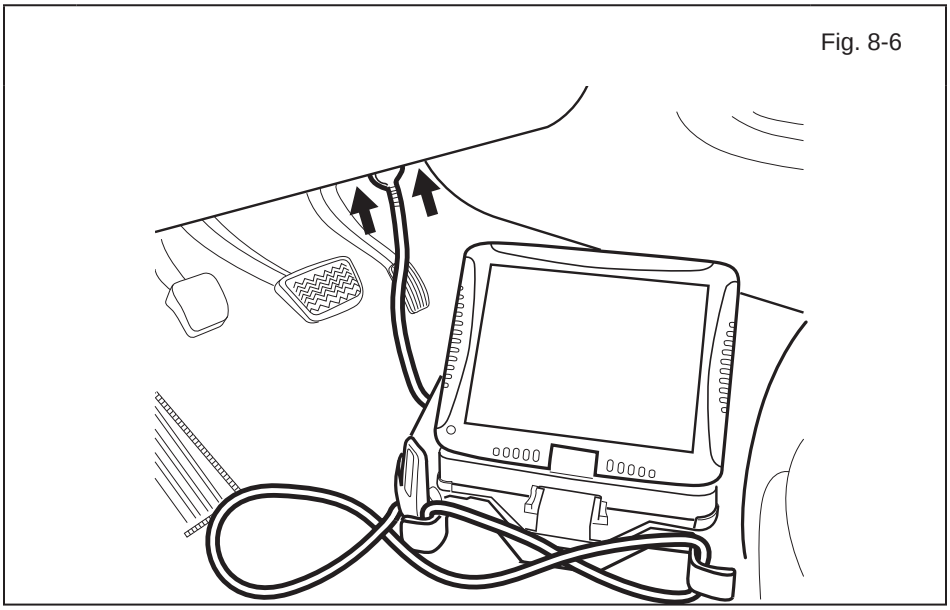


IF THIS PROCEDURE FAILED

The Hazard Lights don't flash or flashes Twice.

- Disconnect the V4 Harness's 1P RES Diagnostic Connectors.
- Start again from step c.

Fig. 8-6

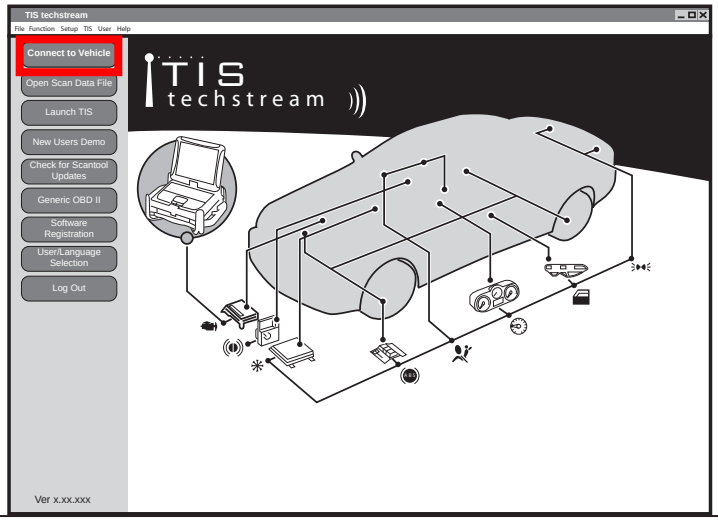


CAUTION: Techstream Lite will not work for this section, use the Techstream Notebook ONLY.

j. Connect the Techstream Notebook to the Vehicle's Diagnostic Port.

k. Turn the Key in the Ignition to the "ON" position.

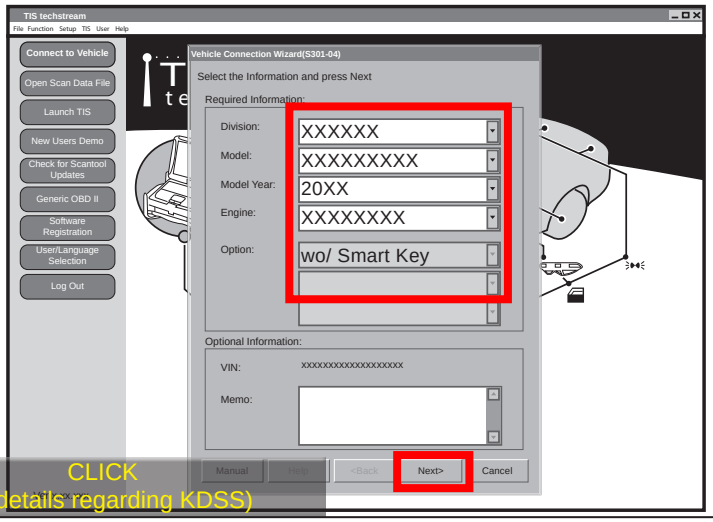
Fig. 8-7



l. Start the TIS Techstream Application by clicking on the shortcut located on the Desktop.

m. Click “Connect to Vehicle“

Fig. 8-8



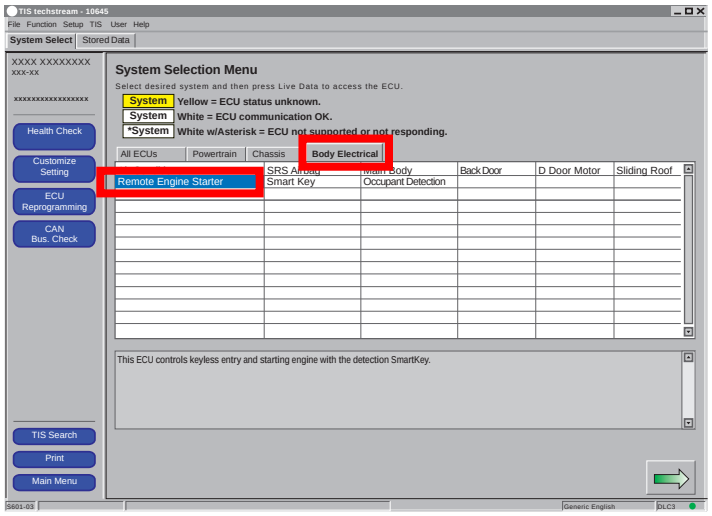
n. Confirm that the information displayed on the Vehicle Connection Wizard is correct for the vehicle. If not verify that the Techstream is properly connected.

o. Select w/o Smart Key.

p. Select w/ KDSS or w/o KDSS depending on the Vehicles Specification.

q. Click “Next>.”

Fig. 8-9

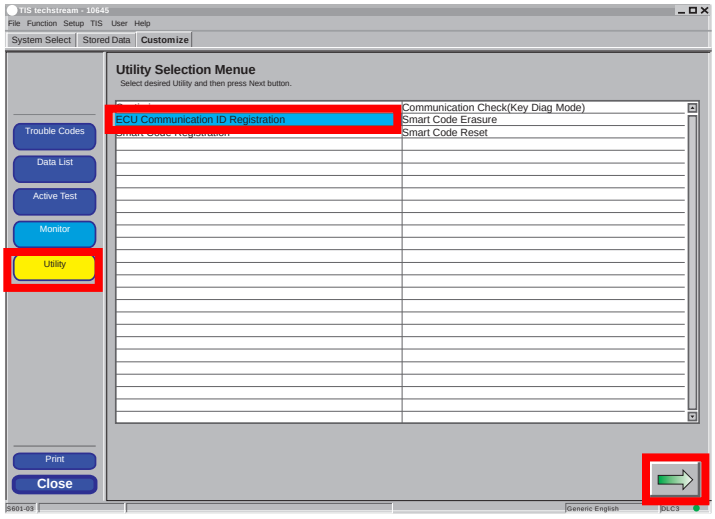


r. Select “Body Electrical” tab.

s. Select “Remote Engine Starter.“

t. Click  .

Fig. 8-10

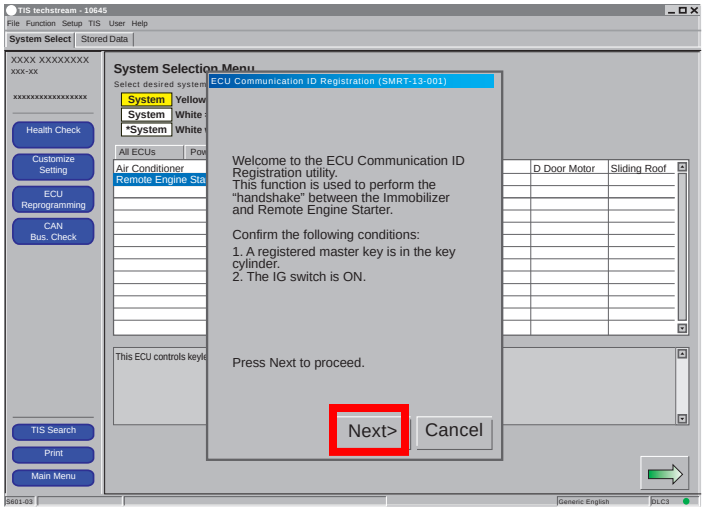


u. Select “Utility.“

v. Select “ECU Communication ID Registration.”

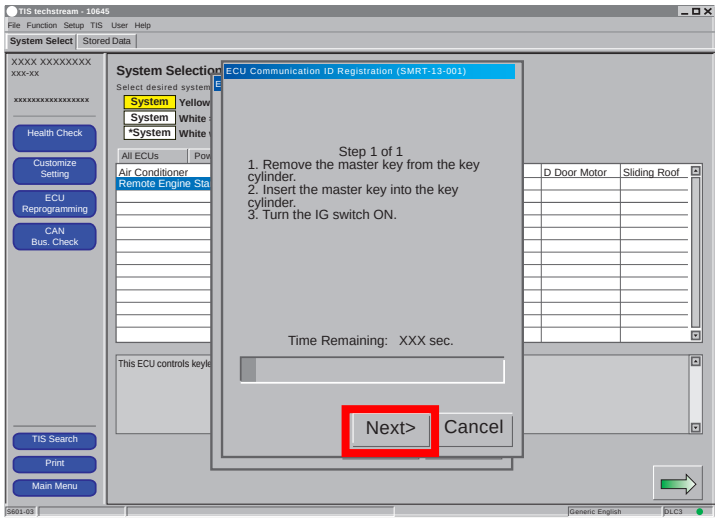
w. Click  .

Fig. 8-11



x. Click “Next>.”

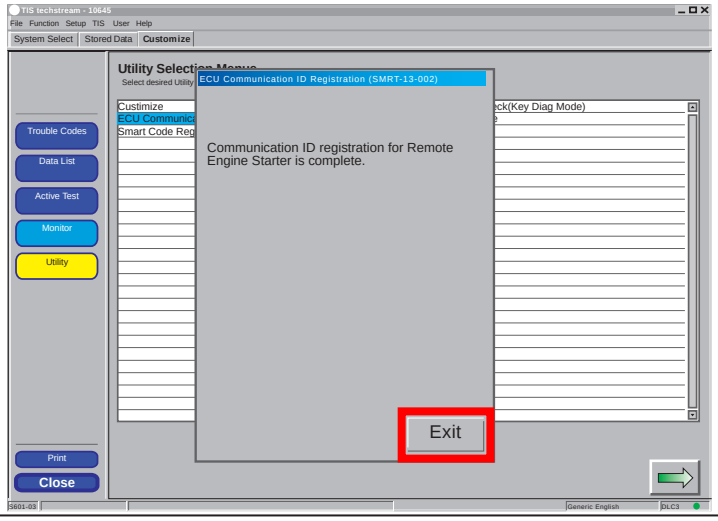
Fig. 8-12



y. Follow the steps on the Techstream.

z. Click “Next>.”

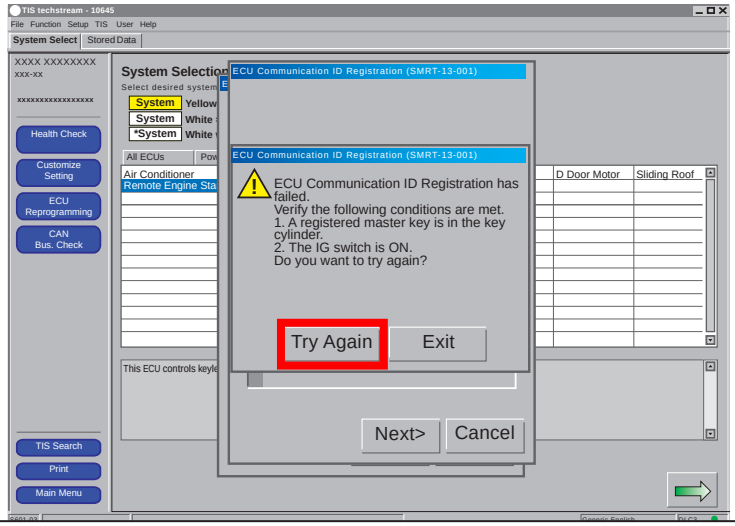
Fig. 8-13



CONFIRM: That the ECU Communication ID was completed successfully.

aa. Click “Exit.”

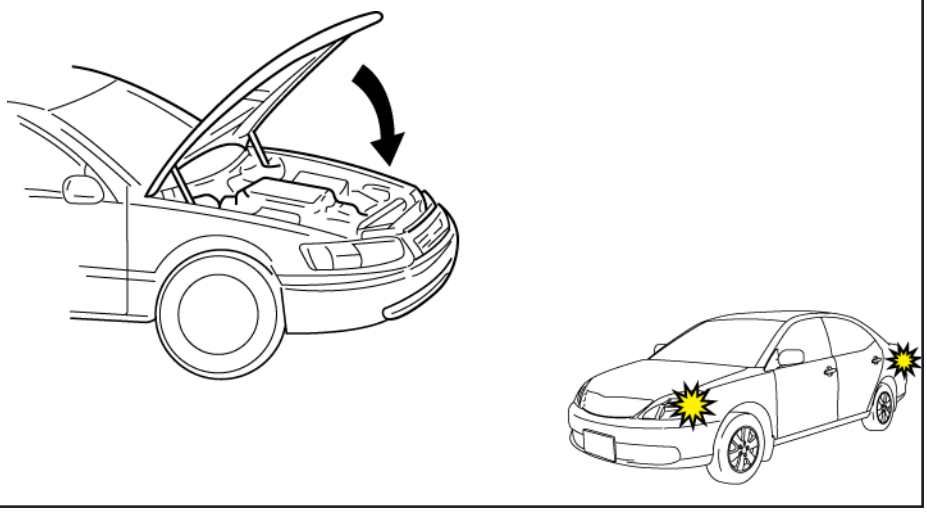
Fig. 8-14



IF THIS PROCEDURE FAILED

- Click “Try Again“
- Start again from step u.

Fig. 8-15



ab. Exit the vehicle.

ac. Close the Hood.

ad. Look for the Hazards to flash Twice.

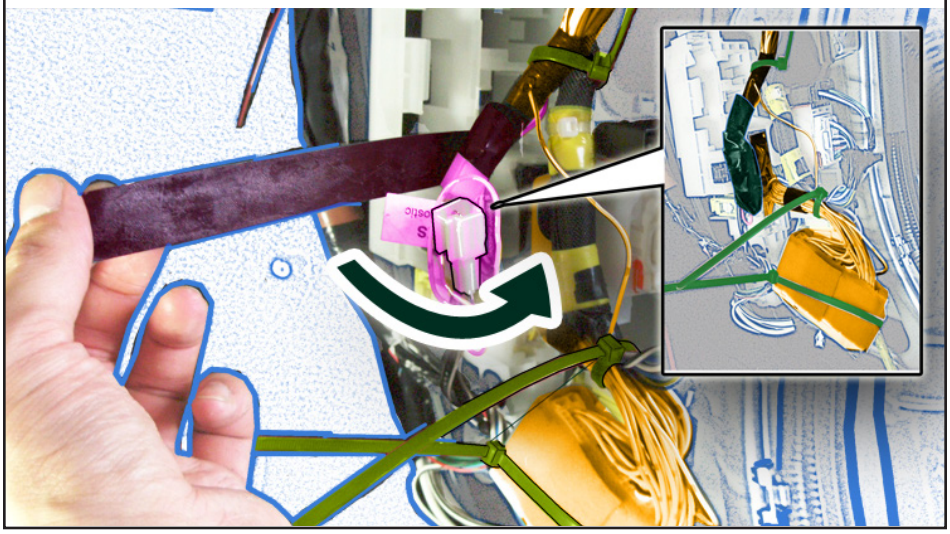
IF THIS PROCEDURE FAILED

The Hazard Lights flash Three Times.

- Disconnect the V4 Harness’s 1P RES Diagnostic Connectors.
- Start again from step c.

Electrical Tape

Fig. 8-16



ae. After a successful Registration, disconnect the 1P RES Diagnostic Connectors.

af. Using Electrical Tape secure the Female Connector and Harness to the Vehicle Harness.

Fig. 8-17

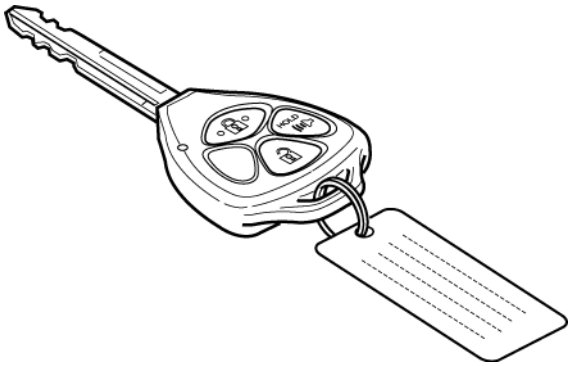


ag. Finish reassembling the Vehicle.

VERIFY: That panels fit together properly, with no uneven gaps.

VERIFY: That all Connectors are plugged in.

Fig. 9-1

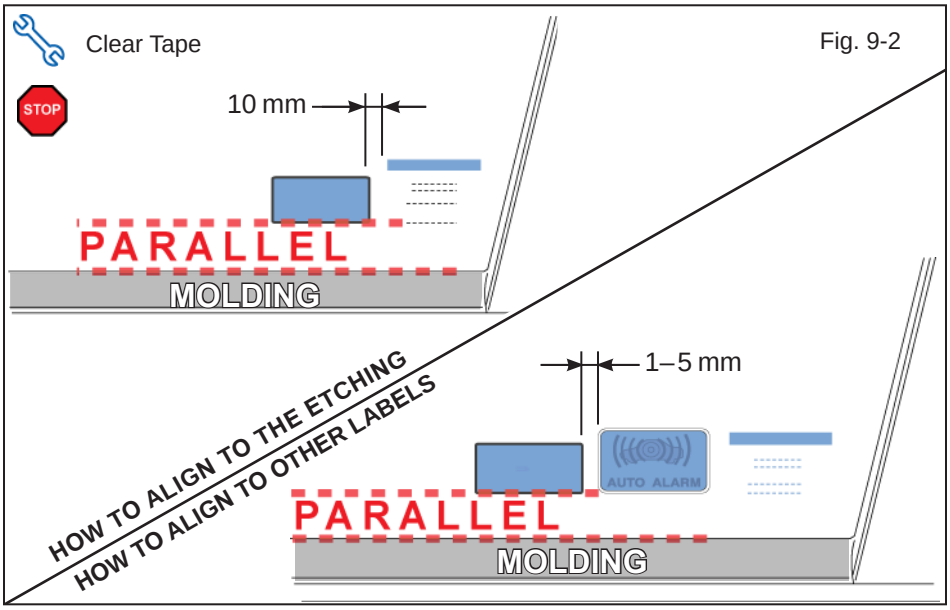


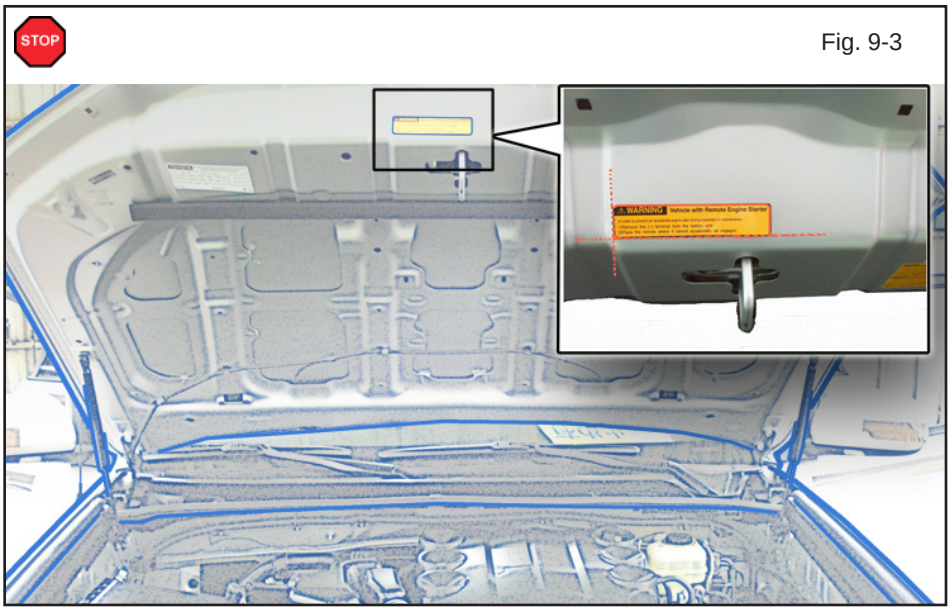
9. Tags and Labels

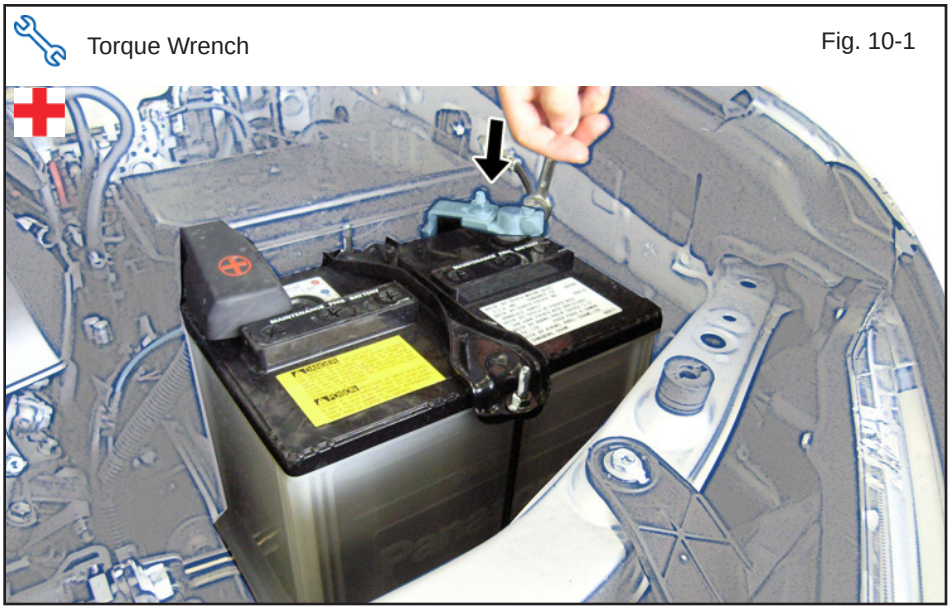
- For US Vehicles use the English Tags and Labels, and discard the Spanish Tags and Labels.
- For Mexico Vehicles use the Spanish Tags and Labels, and discard the English Tags and Labels.

a. Attach the Key Tag.

REPEAT: step a with the other Key.







b. Use Household Glass Cleaner to clean the inside of the Front Door Window.

c. Use a piece of Clear Tape to lift the label off its protective backing.

CAUTION: Do not touch the adhesive surface.

d. Attach the Label as shown.

NOTE: Align the Label according to Etching or Other Label.

REPEAT: steps b–d with the other Front Door Window.

e. Sealed in its protective bag, place the Owner's Manual in the Glove box.

f. Using VDC approved cleaner and cleaning method, clean the indicated area on the underside of the Hood.

g. Attach the Engine Room Warning Label as shown.

CAUTION: Do not touch the adhesive surface.

10. Complete the Installation

a. Position the Negative Battery Cable at the original factory position and torque the nut.

Torque: 5.4 N•m (48 in•lbf)

CAUTION: Do not touch the Positive Terminal.

b. Clean up and Remove trash.

Accessory Function Checks

Close the hood, enter the vehicle and close all doors. Place the shift lever in the “P” (Park) position, set the parking brake and make sure the Vehicle is off.

	Perform	Look For
1	Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button for 3 seconds.	The hazard lights flash after 3 seconds. The engine starts. The hazard lights flash repeatedly for 10 seconds.
2	With the engine running, pull the hood release handle. **NOTE:** *Some Vehicles may require you to exit the Vehicle and pull up on the Hood.*	The engine stops. The hazard lights flash once. The security alarm triggers. (Only if equipped with OE Factory Alarm, not Genuine Accessory alarm, and only if armed)
3	Move the shift lever out of “P” (Park). Attempt to start the Vehicle using the remote.	The engine does not start.

Vehicle Appearance Check

	Perform	Look For
☐	After accessory installation and removal of protective cover(s), perform a visual inspection of the vehicle.	Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)

Vehicle Function Checks

	Function		Function
Enter the Vehicle			
☐	Dome/Courtesy Lights	☐	Steering Wheel Column Adjusts Without Interference
☐	Horn	☐	Hood Latch Release
Start the Vehicle			
☐	Starter	☐	Gauges
☐	Check Engine Light *If the warning light remains on, it may indicate a system malfunction.*	☐	ABS Light (if equipped) *If the warning light remains on, it may indicate a system malfunction.*
☐	Lamp Failure Sensor *If the warning light remains on, it may indicate a system malfunction.*	☐	Track/Skid Control Light (if equipped) *If the warning light remains on, it may indicate a system malfunction.*
☐	Seat Belt Warning Light *If the warning light remains on, it may indicate a system malfunction.*	☐	Tire Pressure Monitoring System (TPMS) *Prior to TPMS activation and Pre-delivery Service (PDS) of the Vehicle the TPMS light will blink when IG is turned on.* *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.*
☐	Air Bag Warning Light *If the warning light remains on, it may indicate a system malfunction.*		
☐	Cruise Control Light (if equipped)		
☐	Mayday ECU (if equipped)		
Using a Mirror or Assistant check the following.			
☐	Trunk/Tailgate/Bed Lights (if equipped)	☐	Tail Lights
☐	Brake Lights	☐	Daytime Running Lights (if equipped)
☐	Backup Lights	☐	Marker Lights
☐	Clearance Sonar (if equipped)		
Stop the Engine, Place the Vehicle's IG in the ON position.			
☐	Hazard Lights	☐	Turn Signal Lights
☐	Head Light	☐	Fog Lights (if equipped)
☐	High Beams	☐	Accessory Controls/Illumination (if equipped)
☐	Power Side Mirrors (if equipped)	☐	Convenience Memory Settings (if equipped)

	Function		Function
☐	Front Wiper/Washer	☐	Rear Wiper/Washer (if equipped)
☐	Power Sun/Moon Roof (if equipped)	☐	Rollover Side Curtain Air Bag Switch (RSCA) (if equipped)
☐	Clock (if equipped)	☐	Navigation System (if equipped)
☐	Audio/Video (if equipped)	☐	USB Connections (if Equipped)
☐	Steering Wheel Audio Control (if equipped)	☐	HVAC
☐	Front Windshield Defogger (if equipped)	☐	Rear Window Defogger (if equipped)
☐	Side Mirror Defogger (if equipped)	☐	Accessory Power Socket (if equipped)
☐	Massage Seats (if equipped)	☐	Heated/Vented Seats (if equipped)

☐	Glove box Light (if equipped)	☐	Passenger Air Bag Switch (if equipped)

☐	Power Locks (if equipped)	☐	Power Windows (if equipped)
☐	Power Seats (if equipped)	☐	Key Sensor Buzzer

Remove the short pin after Function checks.
Check with your Port/Dealer to see if this step is necessary.

