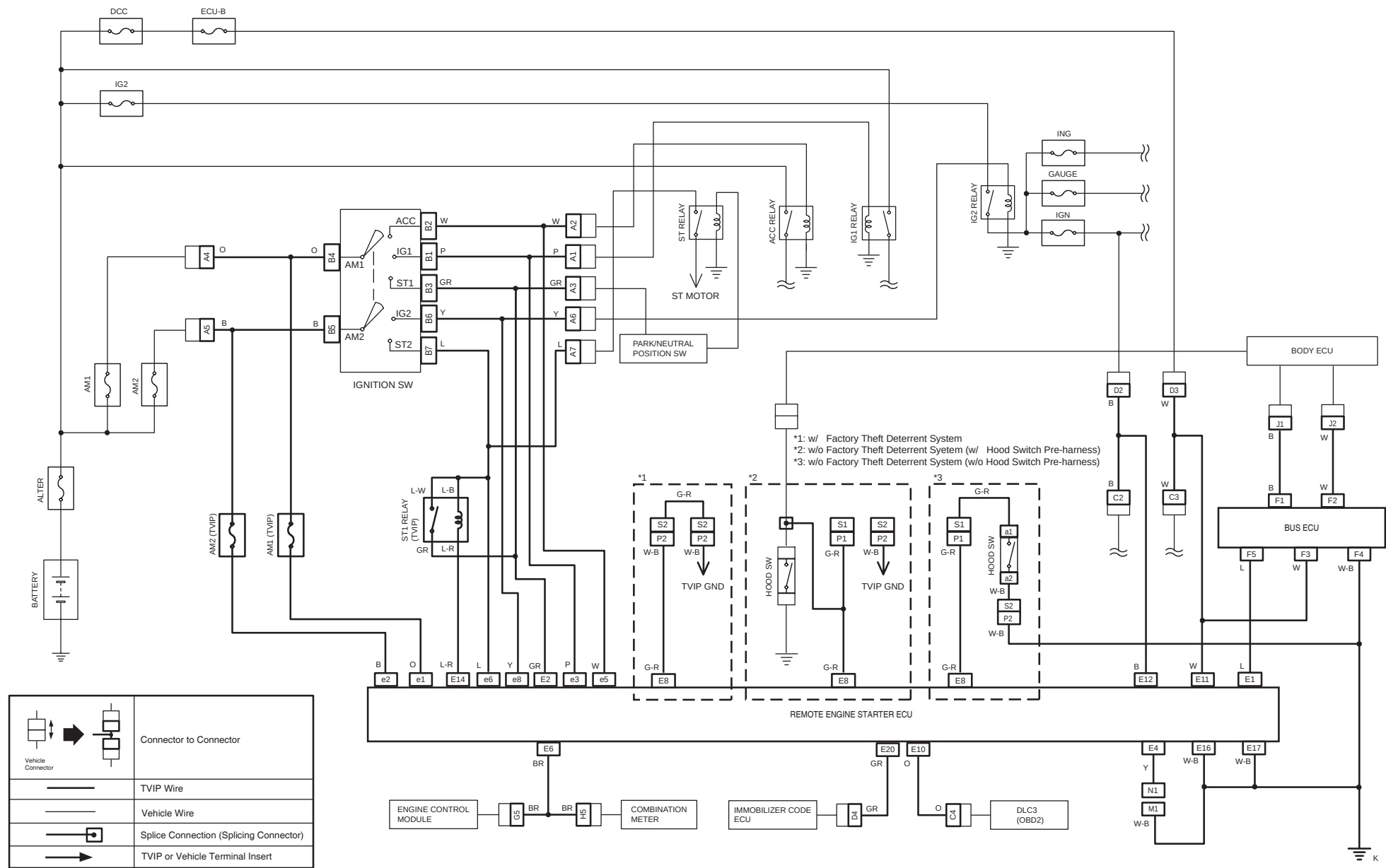
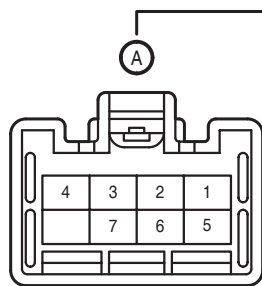


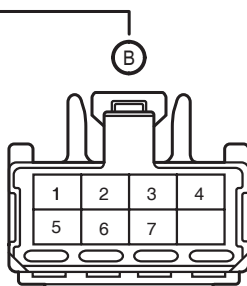
2007 CAMRY TVIP V4 REMOTE ENGINE STARTER (RES) (without SMART KEY SYSTEM) ELECTRICAL WIRING DIAGRAM (EWD)



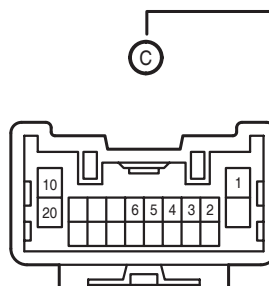
2007 CAMRY TVIP V4 REMOTE ENGINE STARTER (RES) (without SMART KEY SYSTEM) CONNECTORS



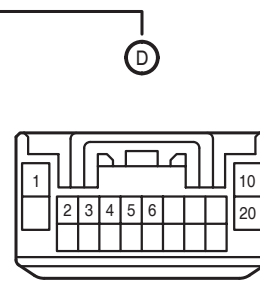
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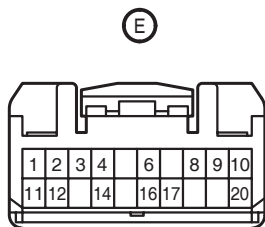
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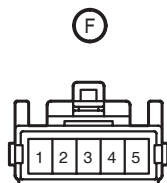
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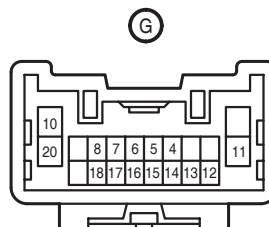
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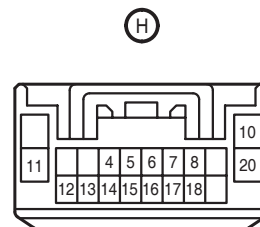
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(FEMALE PIN)



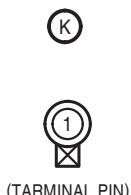
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(MALE PIN)



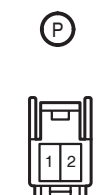
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(MALE PIN)



(FEMALE PIN)



(FEMALE PIN)



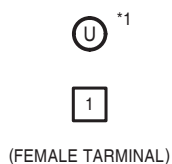
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(MALE PIN)



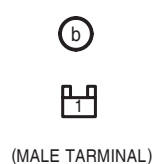
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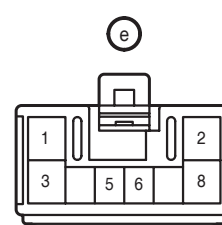
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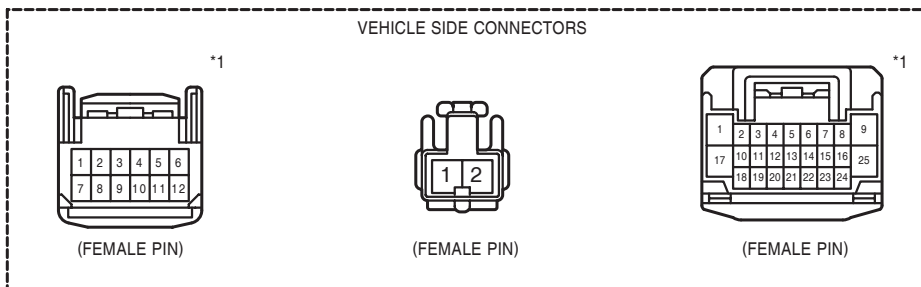
(MALE PIN)



(MALE TARMINAL)



(FEMALE PIN)



*1 Not use vehicle without smart key system

Part Number: 08586-3T950**NOTE:** Part number of this accessory may not be the same as the part number shown.**Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Wire Harness
2	1	RES ECU
3	1	BUS ECU
4	1	ECU Mounting Bracket
5	1	Butyl Tape
6	1	Support Bracket

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Splicing Connector
2	4	Nut
3	8	Small Foam Tapes
4	30	Wire Ties
5	2	Window Labels
6	2	Key Tag
7	1	Shift Tag
8	1	Key Label (For Remote Control Key)
9	2	Caution Label (For Engine Compartment)
10	1	Owner's Manual
11	1	Butyl Tape

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

--

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Scan Tool and Software Card	01001271 with Version 13.3 Software (or later)
Wiring Terminal Tool	IADS #: ALL 02-016-03
Electrical Phillips Head Screw Driver	Snap On SDEP21 No. 1 Phillips
Installation Tools	Notes
Phillips Head Screwdriver	#2, screwdriver or tip
Socket	10mm
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Pneumatic/Electric Wrench	
Side Cutters	
Torque Wrench (for battery)	36 in.-lbf
Wrench	10mm, 12mm
Utility Knife	

Pliers	
Needlenose Pliers	
Marker	
Special Chemicals	Notes
Cleaner	3M™ Prepsolvent-70
Glass Cleaner	Household Windex

General Applicability

Note: Camry with Smart Key, and automatic transmission only.

Recommended Sequence of Application

Item #	Accessory	
1	V4/V2/V5	Security
2	Satellite Radio	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description

Legend**STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.**OPERATOR SAFETY:** Use caution to avoid risk of injury.**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

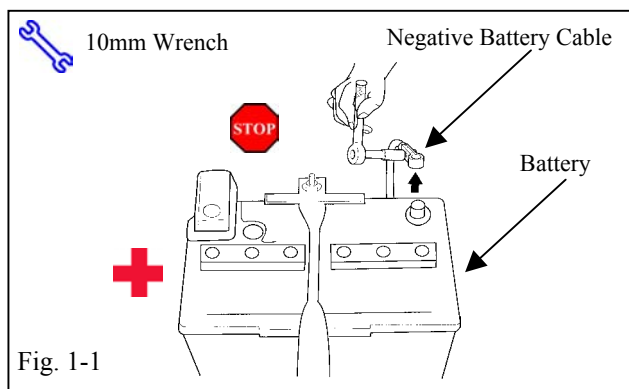
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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

This document covers such items as:-

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

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



1. Vehicle Disassembly.

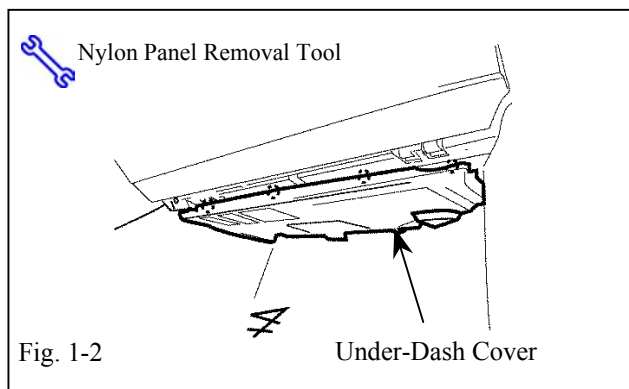
(a) Take note of the battery cable installation position, as this will need to be re-installed in the same position after installation completion.

(b) Remove the negative battery cable.

(Fig. 1-1)

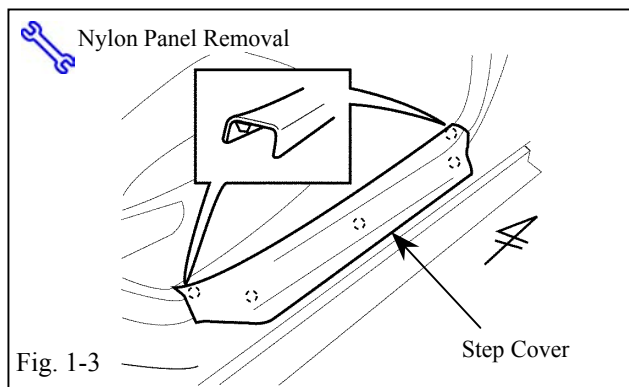
(1) Protect the fender before starting.

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



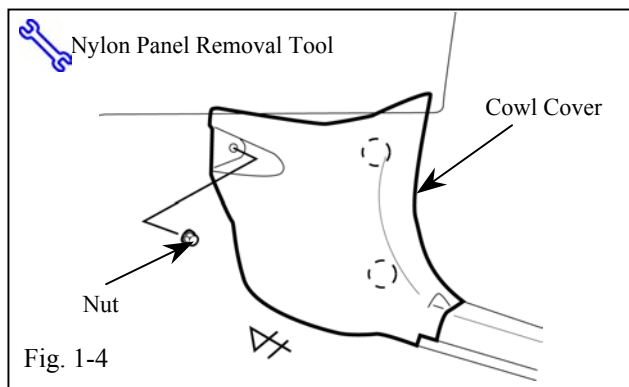
(c) Remove the glove box under-dash cover.

(Fig. 1-2)



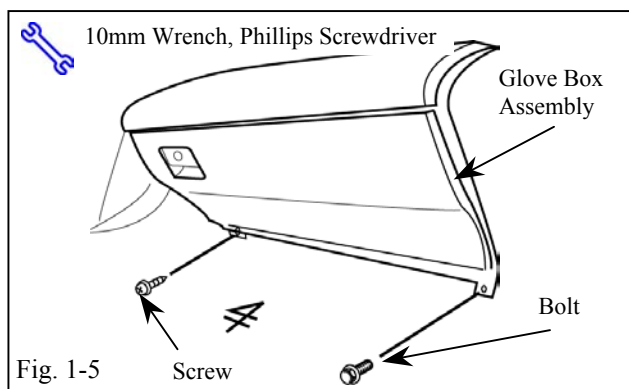
(d) Remove the passenger's step cover.

(Fig. 1-3)

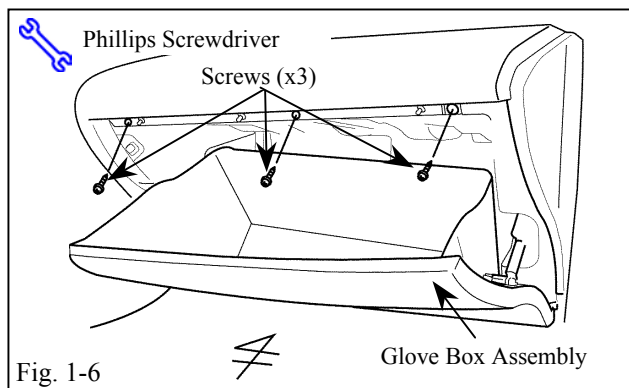


- (e) Remove the passenger's cowl cover.
 (Fig. 1-4)

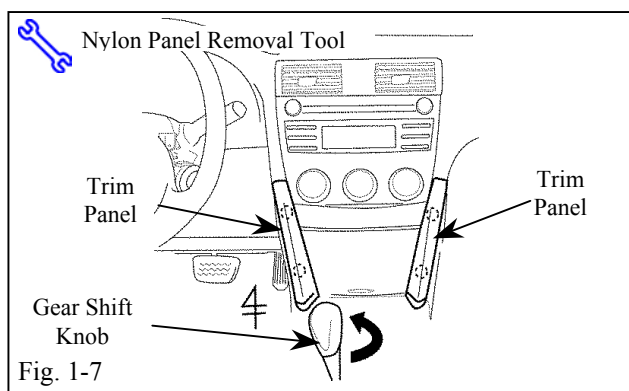
(1) Remove one nut securing the cowl cover.



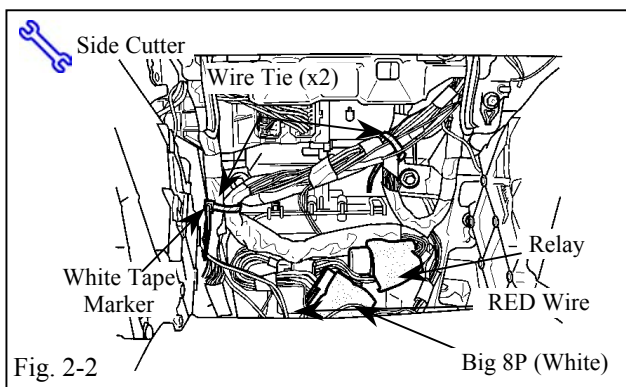
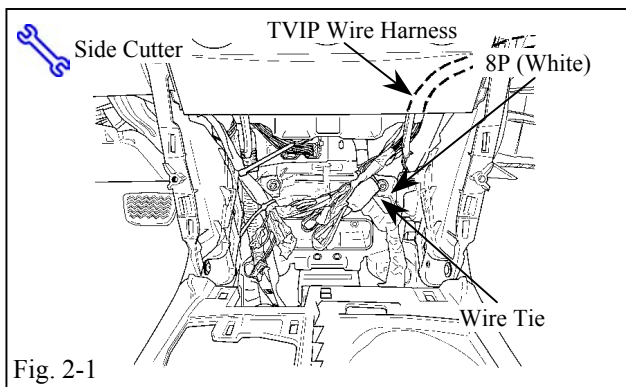
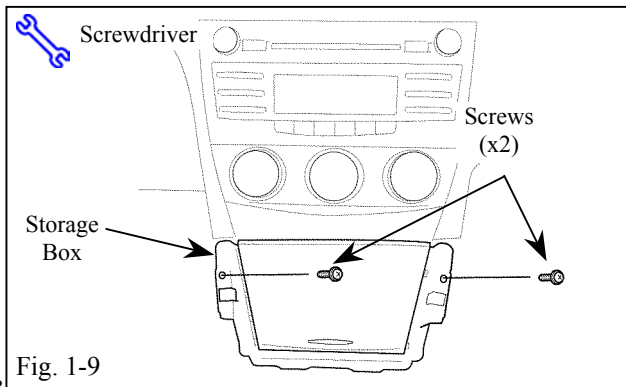
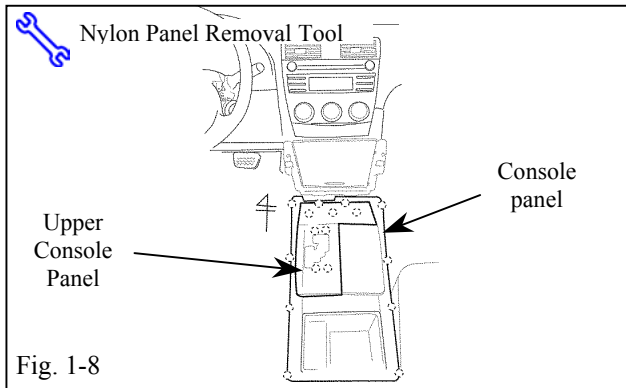
- (f) Remove one screw and one bolt from the glove box assembly. (Fig. 1-5)



- (g) Open the glove box door and remove three screws securing the glove box assembly.
 (Fig. 1-6)



- (h) Confirm that the emergency brake is set.
 (i) Move the shifter to the "D" position.
 (Fig. 1-7)
 (j) Remove the left and right side trim panels from the center cluster. (Fig. 1-7)
 (k) Remove the shift knob. (Fig. 1-7)



(l) Loosen the upper panel of the floor console panel. (Fig. 1-8)

(1) If the vehicle is equipped with seat heaters, disconnect any connectors from the console panel.

(m) Loosen the console panel. (Fig 1-8)



CAUTION: Place a protective sheet underneath the center console panel after it is loosened.

(n) Remove the center console storage box. (Fig. 1-9)

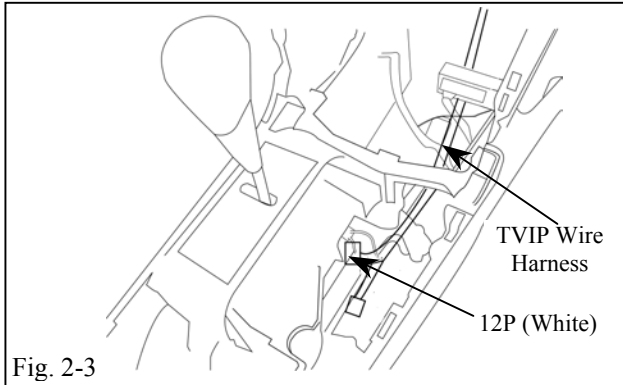
(1) Remove the two screws securing the storage box.

(2) Disconnect any connectors.

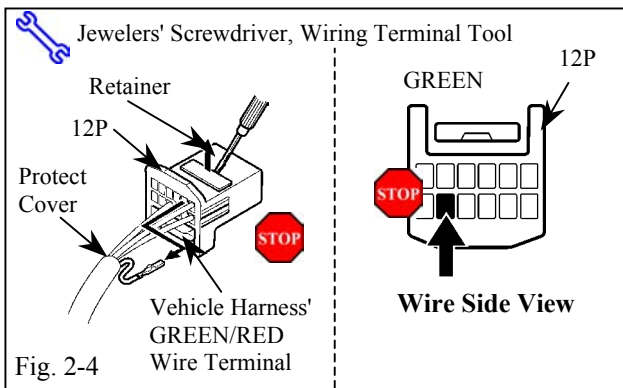
2. RES Harness Installation.

(a) Route the portion of the RES harness containing the white 8P connectors, red wire, relay, fuse, 8P connector (include the empty female connector) and female terminal green wire from the glove box area into the center console area. (Fig. 2-1)

(b) Locate the white taped marker on the RES harness, then secure it to the left side of the vehicle harness in the center console area with one wire tie. Then, secure one wire tie on the right side of the vehicle harness. (Fig. 2-2)



- (c) Route the RES harness' small white 8P connector (include the empty female connector) and green wire terminal toward the gear shift area. (Fig. 2-3)
- (d) Locate the white 12P connector on the right side of the gearshift area, then disconnect it. (Fig. 2-3)

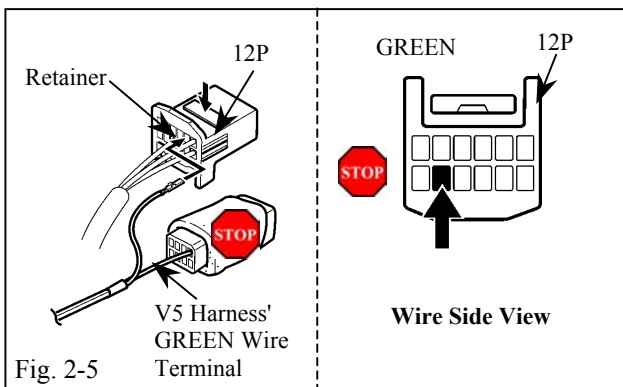


- (e) Use a small jeweler's screwdriver to lift up the terminal retainer on the black 12P connector. (Fig. 2-4)

(1) Do not pull out the retainer.

- (f) Locate the GREEN wire in the bottom row, second space from the left of the white 12P connector. Using a pick (or wiring terminal tool (PPO)), release and pull out the terminal for the GREEN wire. (Fig. 2-4)

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

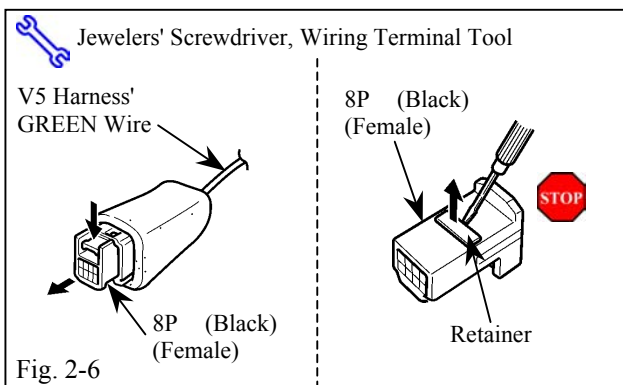


- (g) Insert the terminal at the end of the RES harness' GREEN wire into the bottom row, second space from the left, of the white 12P connector, then close the retainer. (Fig. 2-5)

(1) Turn the connector so the wire faces you and the tab is on top.

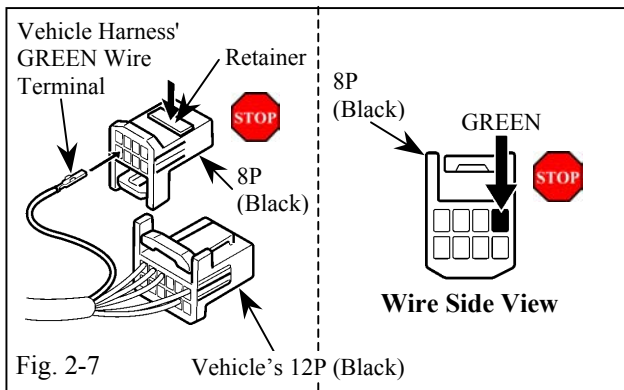
(2) Verify the terminal is inserted and seated properly.

(3) The terminal should not come out when pulled lightly from the back.



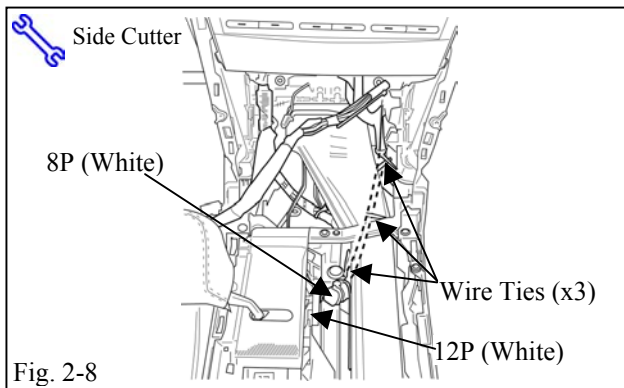
- (h) Disconnect the empty white 8P female connector plugged into the RES harness. Using a small jeweler's screwdriver, lift up the terminal retainer on the back of the empty connector. (Fig. 2-6)

(1) Do not pull out the retainer.



- (i) Insert the terminal at the end of the vehicle harness' GREEN wire into the top row, fourth space from the left of the empty black female 8P connector, then close the retainer. (Fig. 2-7)

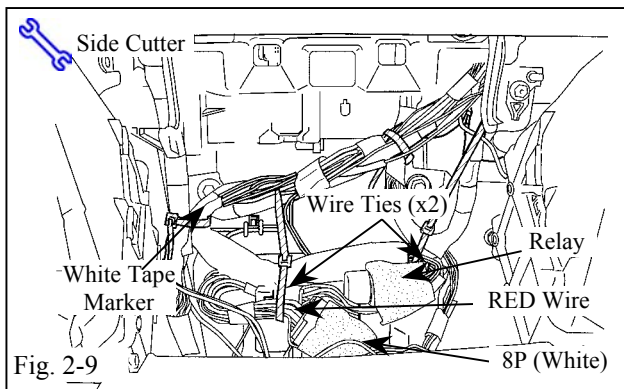
- (1) Turn the connector so the wire faces you and the tab is on top.
- (2) Verify the correct opening is chosen.
- (3) Verify the terminal is inserted and seated properly.



- (4) The terminal should not come out when pulled lightly from the back. If the terminal comes off, then push it in further until securely seated.

- (j) Connect the RES harness' 8P connectors. (Fig. 2-8)

- (k) Reconnect the vehicle's white 12P connector to the gearshift area. Secure the RES harness' white 8P connector to the vehicle harness. Secure the RES harness to the vehicle harness with three wire ties. (Fig. 2-8)



- (l) Secure the unused RES harness' big white 8P connectors and red wire with two wire ties. Secure it to the vehicle harness in the center console area. (Fig. 2-9)

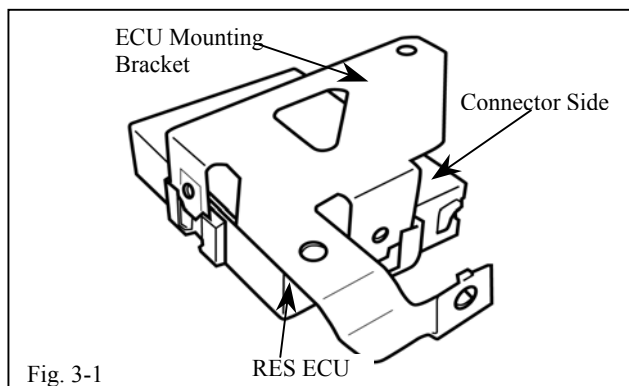


Fig. 3-1

3. RES ECU and BUS ECU Preparation and Installation.

- (a) Insert the ECU mounting bracket into the indicated bracket slots on the RES ECU.

(Fig. 3-1)

- (1) Insert the mounting bracket into the correct ECU's slot.



CAUTION: The bracket is permanently attached once installed.



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

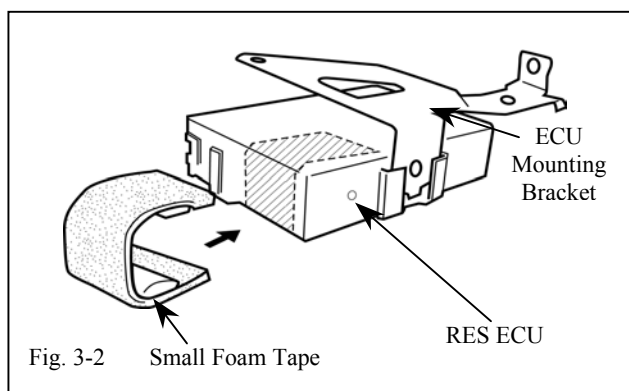


Fig. 3-2

- (b) Apply one piece of small foam tape to the edge of the RES ECU as shown. (Fig. 3-2)

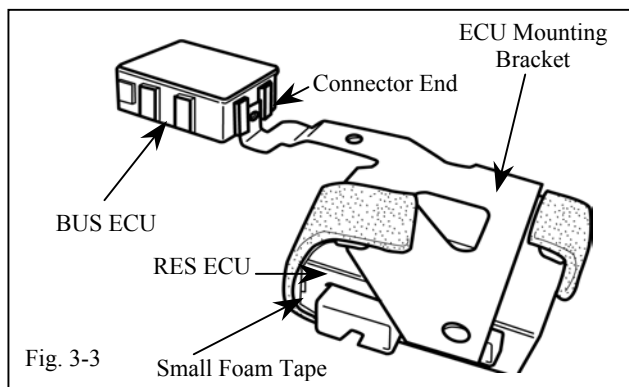


Fig. 3-3

- (c) Apply one piece of small foam tape to the other side of the RES ECU and the bracket, as shown. (Fig. 3-3)

- (d) Insert the BUS ECU into the indicated slot on the mounting bracket. (Fig. 3-3)

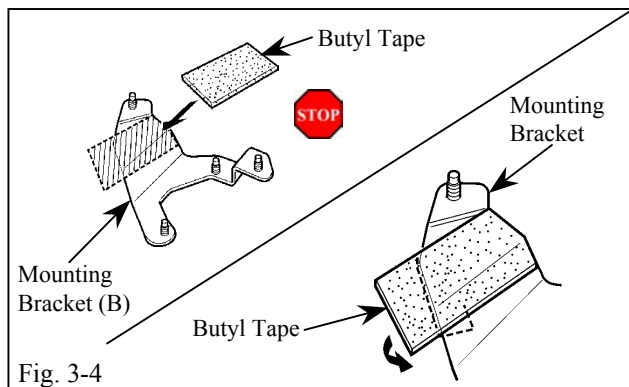
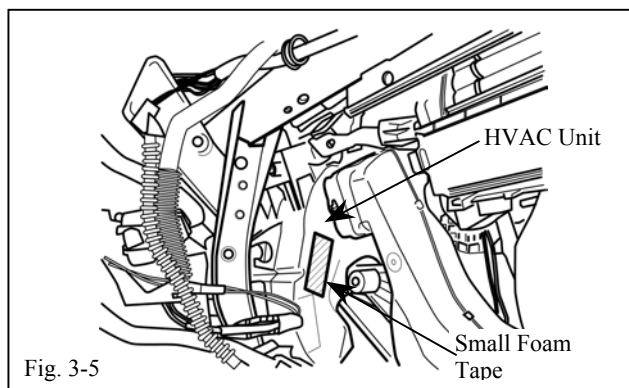


Fig. 3-4

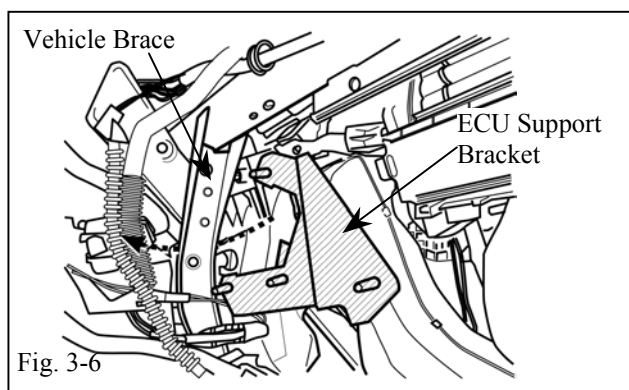
- (e) Remove backing sheet of one butyl tape, then apply to the mounting bracket. (Fig. 3-4)



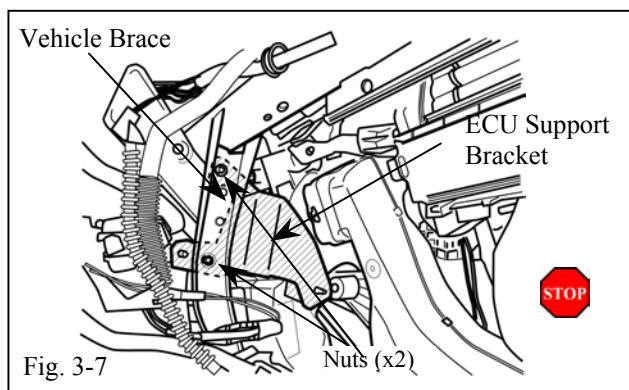
- (1) Do not touch the adhesive surface.



- (f) Apply one piece of small foam tape to the HVAC Center Duct. (Fig. 3-5)

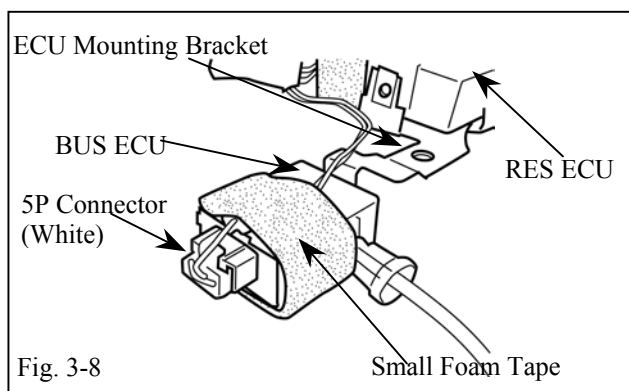


- (g) Insert the ECU support bracket up behind the vehicle brace as shown. (Fig. 3-6)



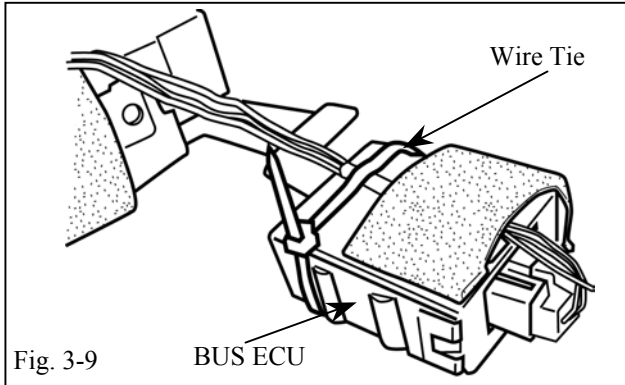
- (h) Secure the ECU support bracket to the vehicle brace with the two supplied nuts as shown. (Fig. 3-7)

- (1) Verify the two nuts are tightened and secured.

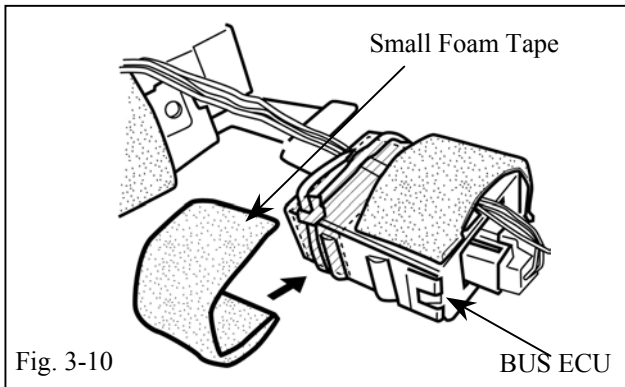


- (i) Plug the RES harness' WHITE 5P connector into the BUS ECU. Secure the harness as shown with one small piece of foam tape. (Fig. 3-8)

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

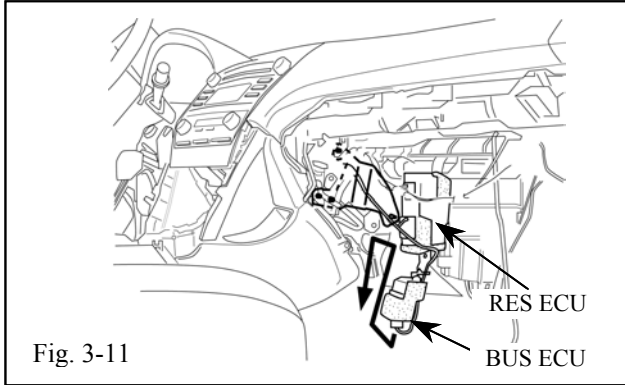


- (j) Secure one wire tie next to the foam tape on the BUS ECU. (Fig. 3-9)



- (k) Attach one piece of small foam tape over the wire tie, so that the BUS ECU is fully covered with foam tape. (Fig. 3-10)

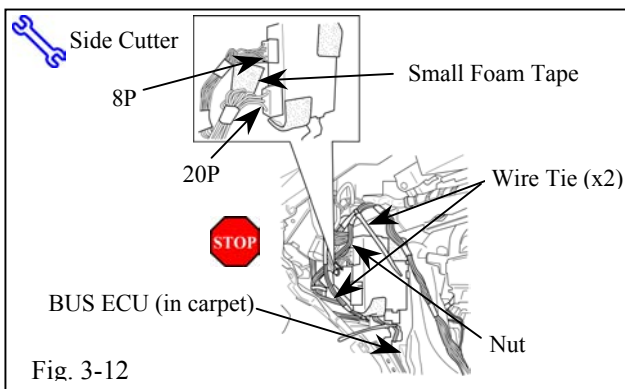
- (l) Plug in the RES harness' white 20P and 8P connectors into the RES ECU and the BUS ECU. (Fig. 3-11)



- (m) Locate the hole in the brace in the upper section of the glove box area. Slide the ECU assembly in front of the vehicle brace. The bottom portion of the ECU, which consists of the BUS ECU, goes behind the carpet. (Fig. 3-11)

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

- (n) Locate the hole in the brace in the upper section of the glove box area. Slide the support bracket behind the vehicle brace and secure with two flanged nuts. (Fig. 3-12)

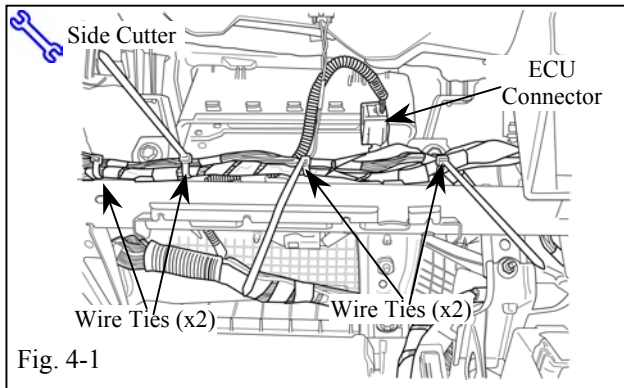


- (o) Wrap one piece of small foam tape over the flange nut. (Fig. 3-12)



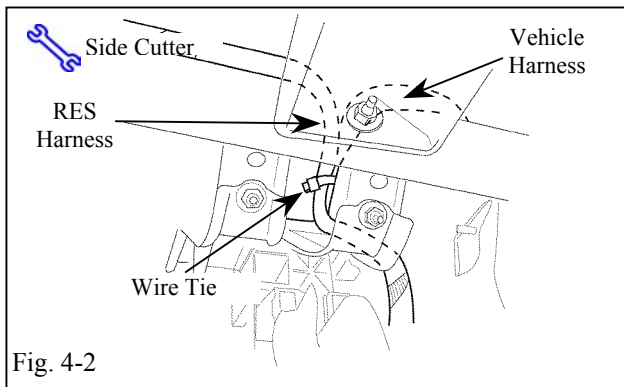
- (1) Verify the flange nuts are tightened and secured.

- (p) Secure the 20P and 8P connectors to the RES harness with two wire ties. (Fig. 3-12)

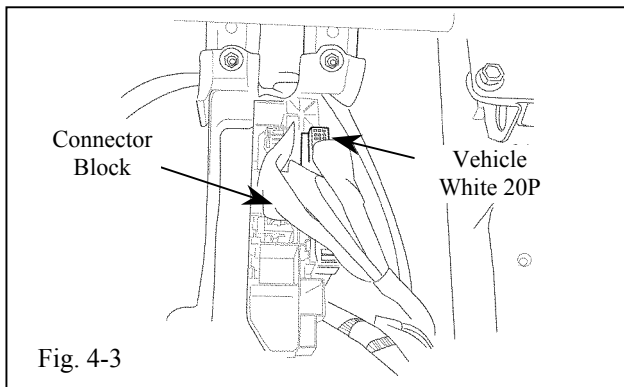


4. RES Harness Installation (continued)

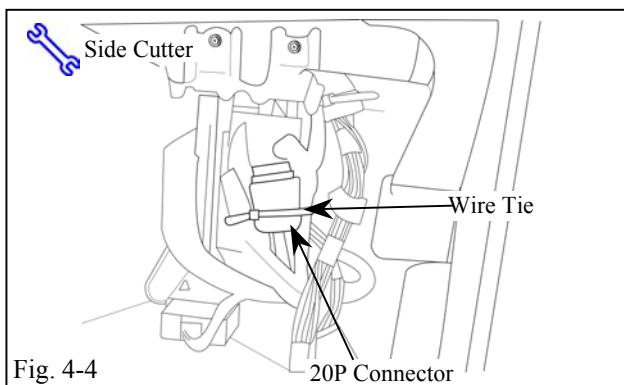
- (a) Route the RES harness across the glove box and secure to the vehicle harness with four wire ties. (Fig. 4-1)



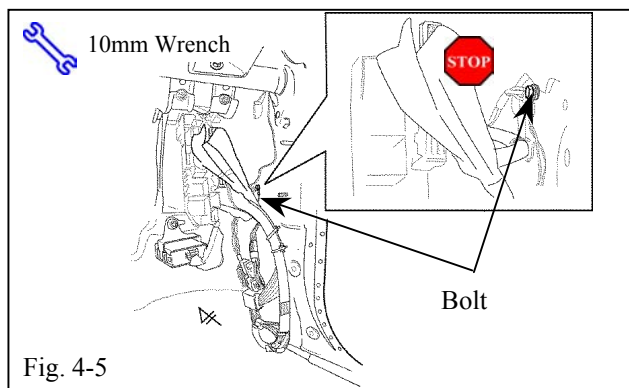
- (b) Continue routing the RES harness down toward the cowl, securing it to the vehicle wire harness with one wire tie as shown. (Fig. 4-2)



- (c) Locate the connector block below the reinforcement in the upper glove box area. Disconnect the white 20P connector on the top far right corner of the box. (Fig. 4-3)



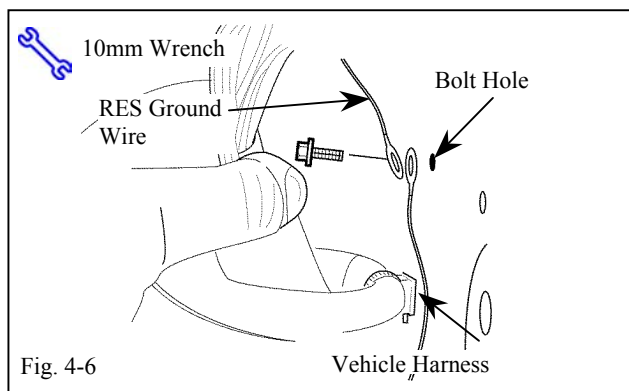
- (d) Plug the RES harness' white 20P connectors between the vehicle harness' 20P connector and the connector block, then secure the 20P connectors to the RES harness with one wire tie. (Fig. 4-4)



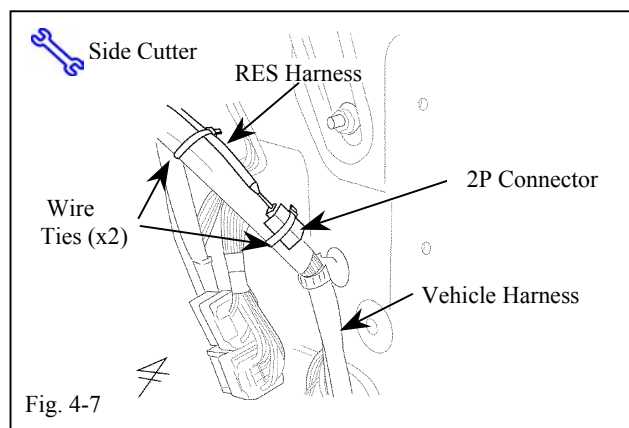
(e) Locate and remove the bolt from the passenger cowl area. (Fig. 4-5)



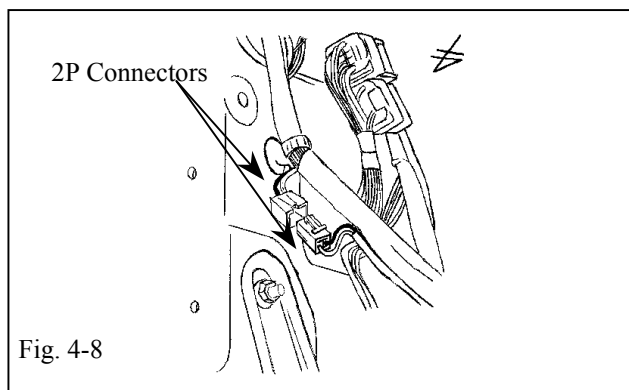
(1) Do not discard the bolt.



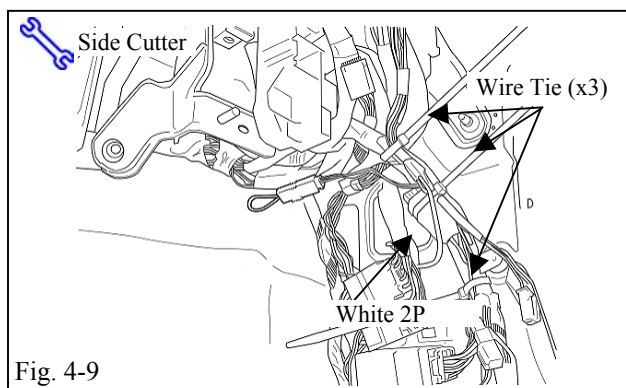
(f) Place the RES harness' ground on top of the vehicle's ground, and then insert the bolt back into the hole. (Fig. 4-6)



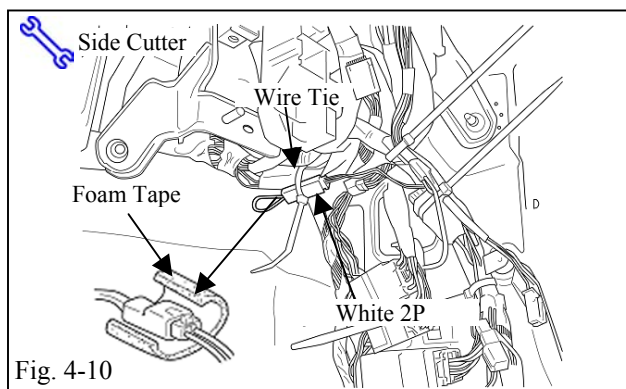
(g) Plug in the RES harness' white 2P connector to the vehicle harness' white 2P connector. (Fig. 4-7)



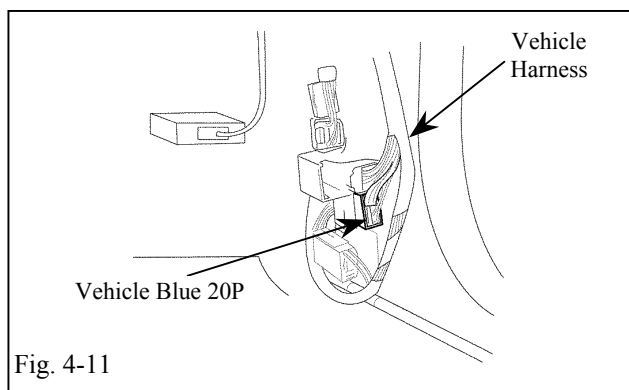
(h) Locate and remove the tape securing the vehicle harness' white 2P connector underneath the ground bolt. (Fig. 4-8)



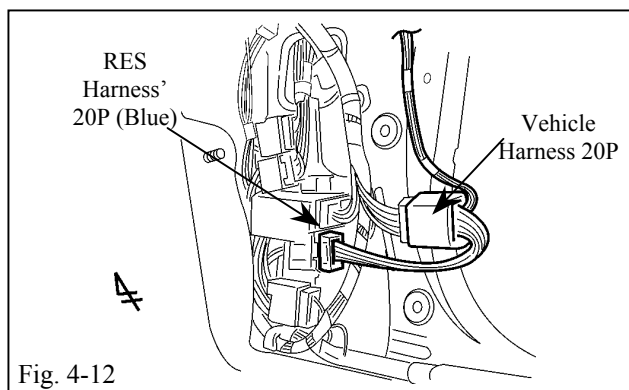
- (i) Secure the RES harness' 2P connector (which is connected the pre-connector) to the vehicle harness with one wire tie. (Fig. 4-9)
- (j) Secure the RES harness to the vehicle harness with two wire ties. (Fig. 4-9)



- (k) Wrap the RES harness' 2P connector (which is connected to the short pin connector with the green/red wire) with one small foam tape, and secure the 2P connector to the vehicle harness with one wire tie. (Fig. 4-10)

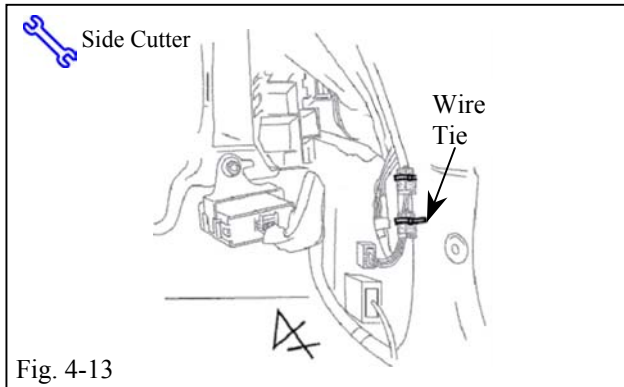


- (l) Disconnect the vehicle harness' blue 20P connector. (Fig.4-11)

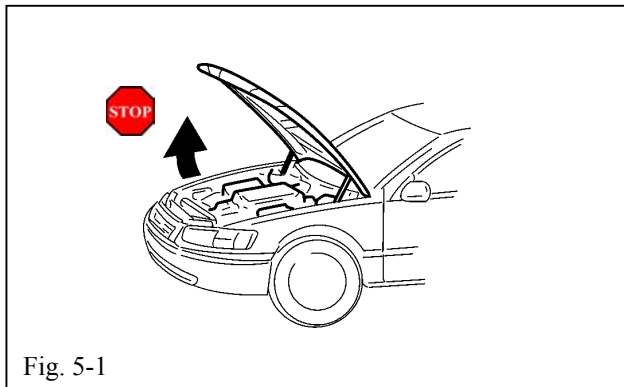


- (m) Plug in the RES harness' BLUE 20P connectors between the vehicle harness' BLUE 20P connector and the connector block. (Fig. 4-12)

NOTE: If the vehicle is equipped with RES and V2/V5, the blue 20P connectors will need to be piggy-backed together.



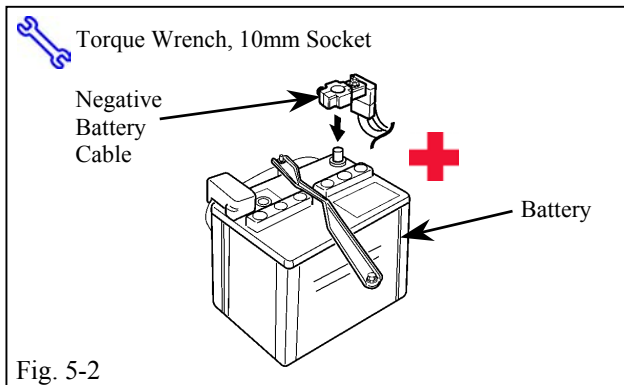
- (n) Secure the 20P connector with one wire tie as shown. (Fig. 4-13)



5. RES Registration

NOTE: P/N 02003179 CAN Interface Module is necessary for Scan Tool communication.

- || (a) Move the shifter to the “P” position.
(b) Open the hood. (Fig. 5-1)

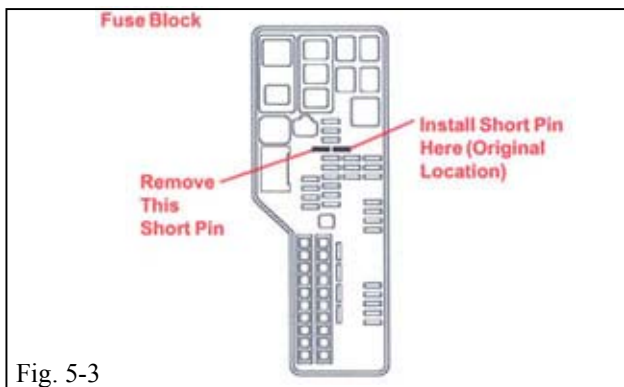


- (1) Do not close the hood during the IMMOBILIZER setting procedure.

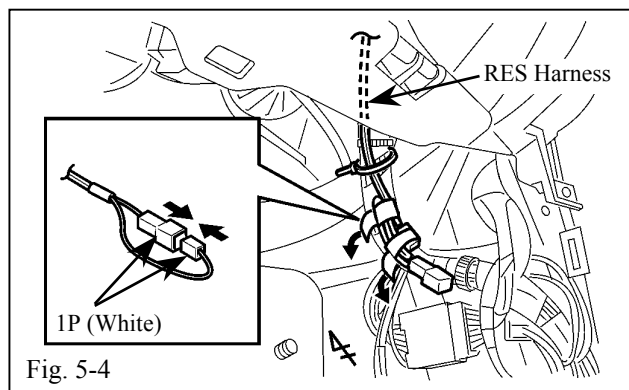
- (c) Temporarily reconnect the vehicle's negative battery cable. (Fig. 5-2)



- (1) Do not touch the positive terminal with any tool when replacing the cable.



- (d) Move the short pin to the original location. (Fig. 5-3)



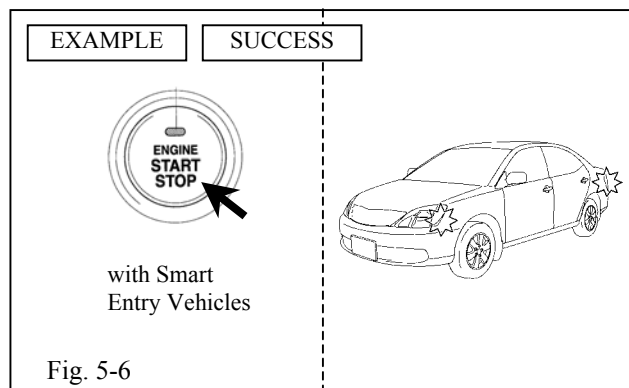
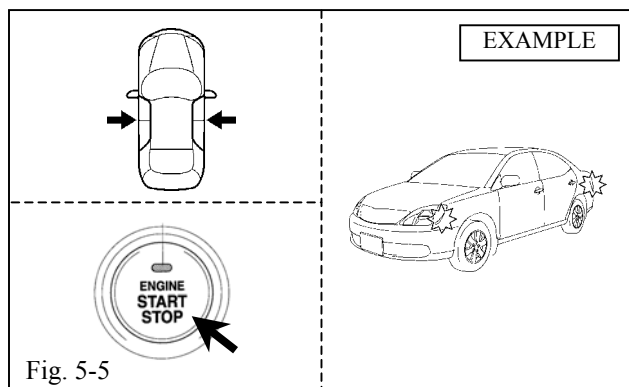
- (e) Locate and disconnect the tape securing the RES harness' white 1P connectors from the passenger side cowl area and connect the 1P RES female diagnostic connector to the 1P RES male diagnostic connectors. (Fig. 5-4)
- (f) Close all doors. Cycle the Smart Key ignition button from "OFF" to "ON" five (5) times. (Fig. 5-5)

NOTE: One cycle consists of:

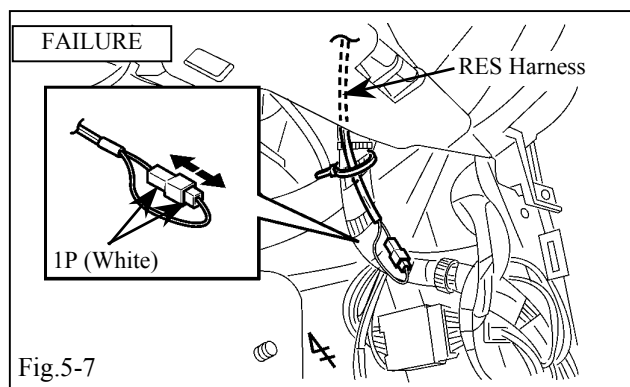
OFF→Accessory→ON

NOTE: This is equivalent to pressing the Smart Key ignition button 14 times.

- (g) Once the fifth cycle has been completed, the hazard lights flash once. (Fig. 5-5)
 Press the Smart Key ignition button once more to turn the ignition to OFF.



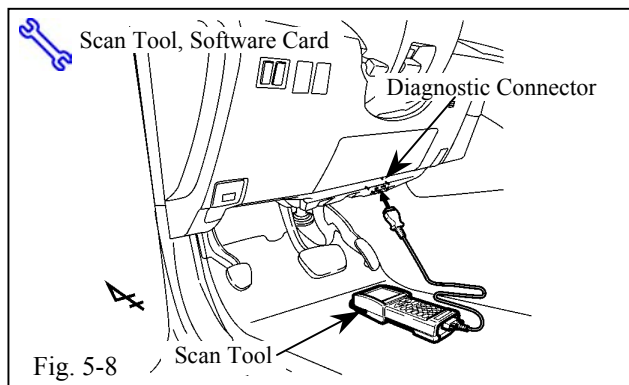
- (h) Start the engine; after 10 seconds stop the engine. The hazard lights flash once. Registration completed. (Fig. 5-6)



- (i) If you failed in this procedure, the hazard lights flash twice. Registration will not set. If it did not set, disconnect and reconnect the RES harness white 1P connector from the passenger side cowl area. (Fig. 5-7)

- (1) Disconnect the negative battery terminal, then start again from Step b.

NOTE: The diagnostic connectors must be unplugged, then plugged in for each new programming attempt.



NOTE: Check for the latest version of the software on TIS before setting up the Remote Engine Starter system.

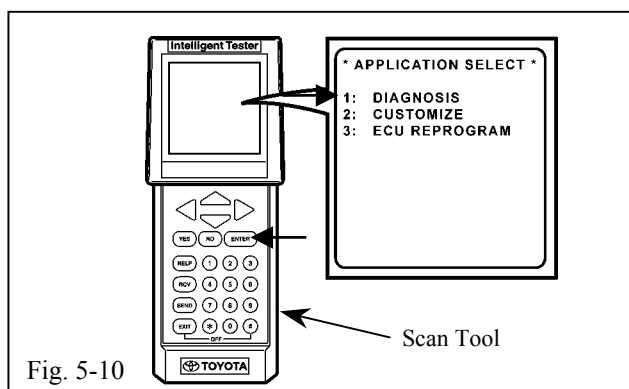
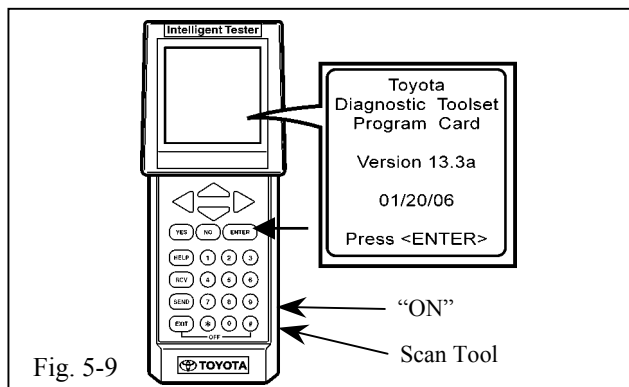


NOTE: Ensure the software is the latest version. (Production Version 13.3 or later.)

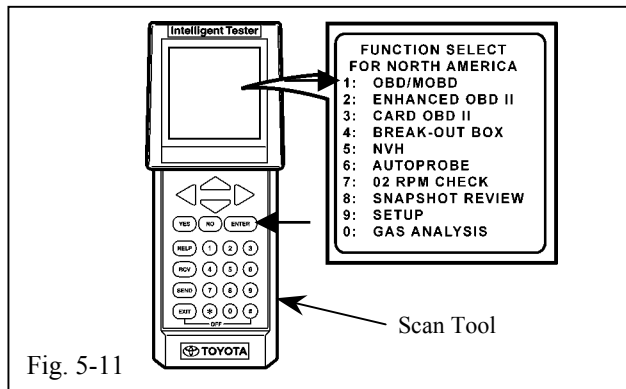


NOTE: Download the latest software from Toyota Information System (TIS).

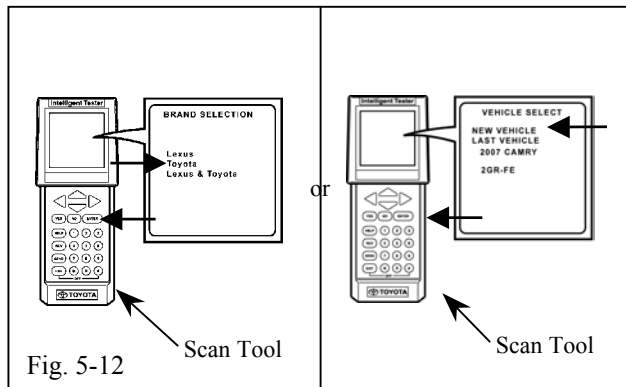
- (j) Connect the scan tool connector to the vehicle's diagnostic connector in the right side of the lower dash area. (Fig. 5-8)
- (k) With the remote control key in your possession, press the power button on the dash twice to select the ignition "ON" position.
- (l) Verify the shift lever position is in "N" or "P."
- (m) Push the scan tool main switch to "ON," then press the "ENTER" button. (Fig. 5-9)



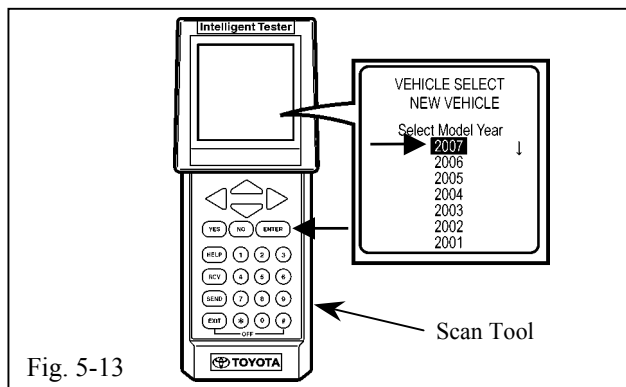
- (n) Select "DIAGNOSIS" in the Application Select menu with the scroll key, then press the "ENTER" button. (Fig. 5-10)



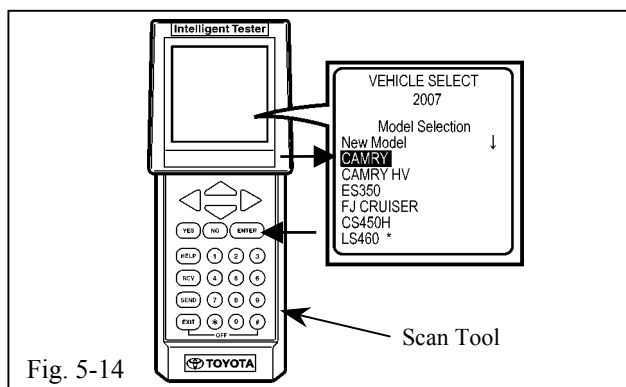
- (o) Select "OBD/MOBD" in the Function Select menu with the scroll key, then press the "ENTER" button. (Fig. 5-11)



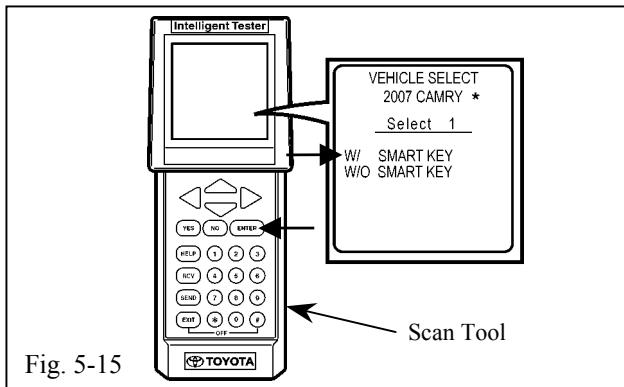
- (p) Make the appropriate selection based on the information below, then press the "ENTER" button. (Fig. 5-12)
- (1) In the case of the left-side screen, select "TOYOTA" in the Brand Selection menu.
- (q) In the case of the right-side screen, select "NEW VEHICLE" in the Vehicle Select menu.



- (r) Select "2007" with the scroll key, then press the "ENTER" button. (Fig. 5-13)



- (s) Select "CAMRY" with the scroll key, then press the "ENTER" button. (Fig. 5-14)



"SELECT VEHICLE" PROCESS"

- (t) Select "W/ SMART KEY" with the scroll key, and then press the "ENTER" button.

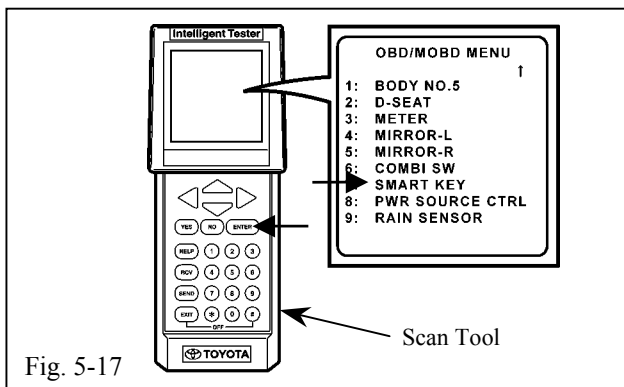
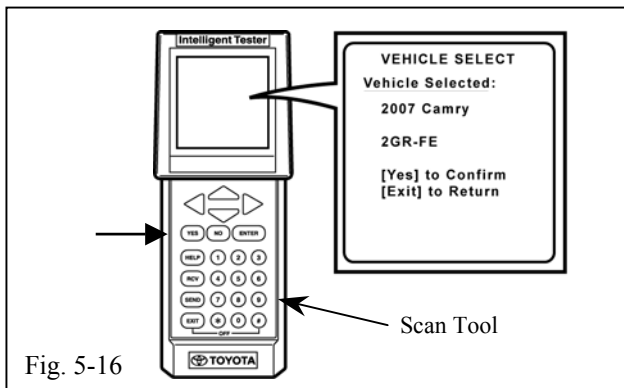
(Fig. 5-15)

Note: Steps t-u may vary depending on the version of the software.

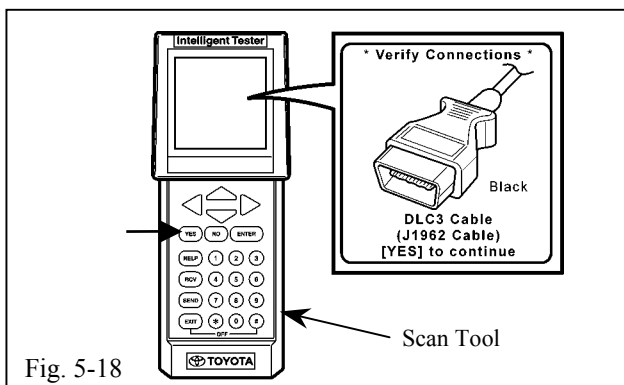
- (u) Select the engine type with the scroll key, then press the "ENTER" button.

- (v) Confirm that the correct vehicle applications are displayed. Press the "YES" button to continue. (Fig. 5-16)

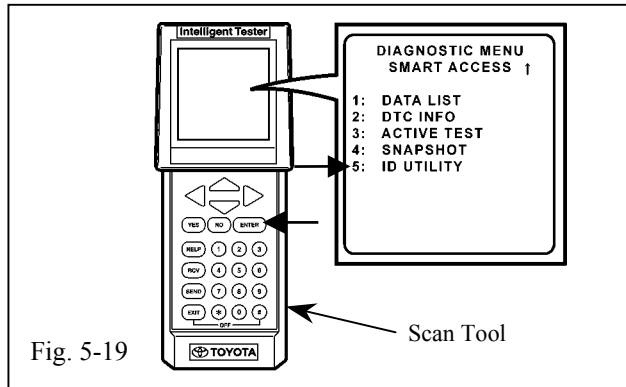
Note: Fig. 5-16 depicts an example of the vehicle type that may appear. It is dependant on the type of vehicle that is being programmed.



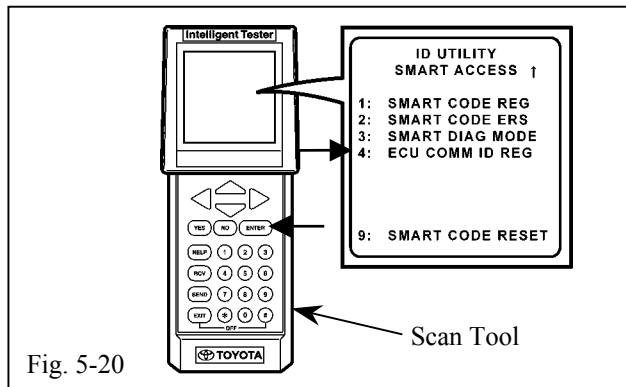
- (w) Select "SMART KEY" in the OBD/MOBD menu with the scroll key, then press the "ENTER" button. (Fig. 5-17)



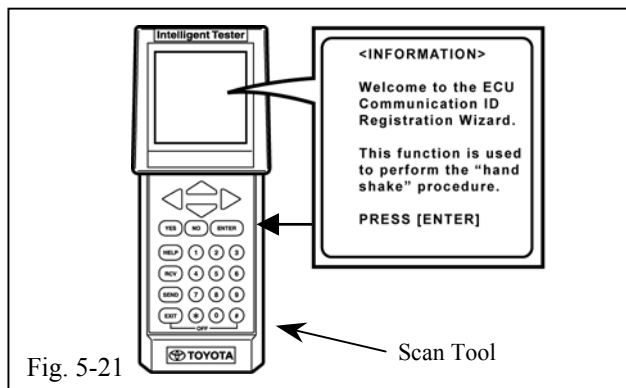
- (x) Verify the connection of the DLC3 Cable. Press the "YES" button to continue. (Fig. 5-18)



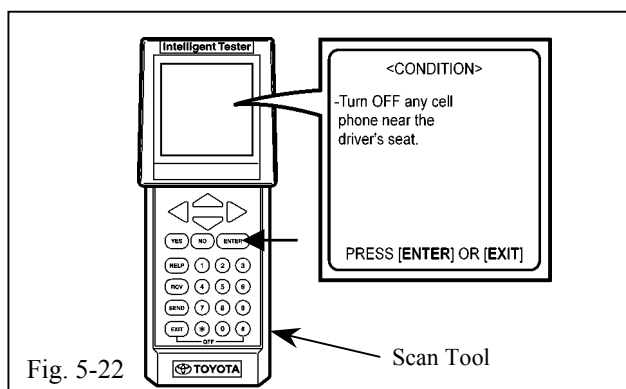
(y) Select "ID UTILITY" in the Diagnostic Menu with the scroll key, then press the "ENTER" button. (Fig. 5-19)



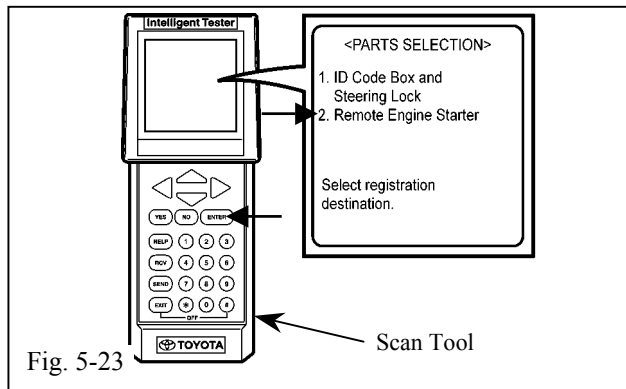
(z) Select "ECU COMM ID REG" in the ID Utility menu with the scroll key, then press the "ENTER" button. (Fig. 5-20)



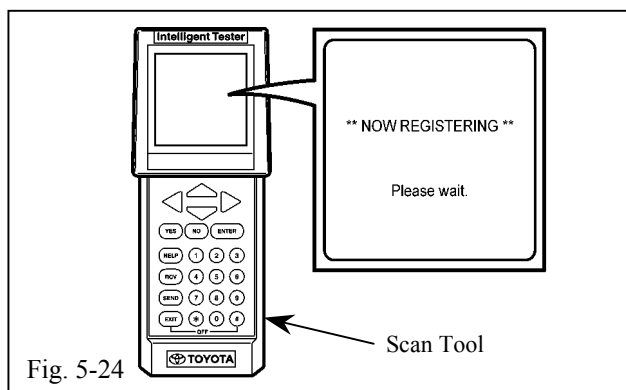
(aa) At the Information screen, press the "ENTER" button. (Fig. 5-21)



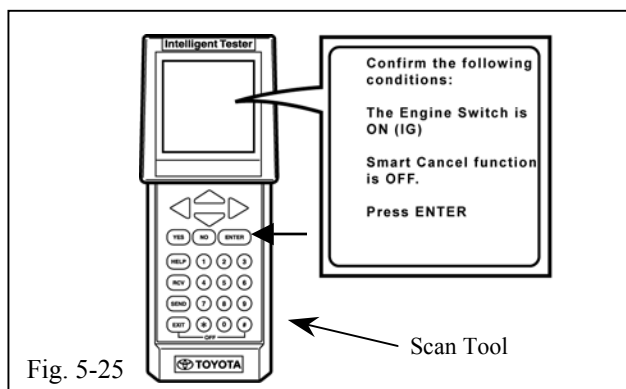
(bb) At the CONDITION screen, press the "ENTER" button. (Fig. 5-22)



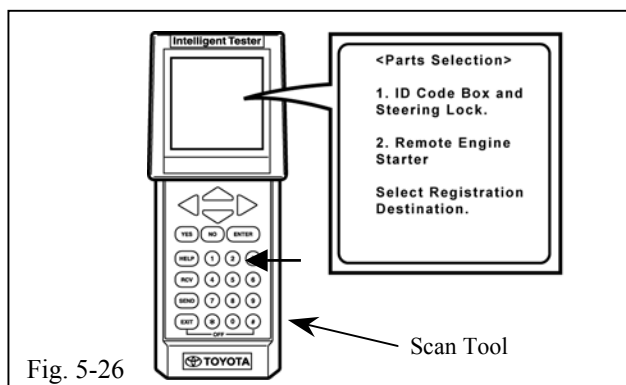
(cc) Select "Remote Engine Starter" in the Parts Selection menu with the scroll key, then press the "ENTER" button. (Fig. 5-23)



(dd) Verify the screen. Wait a few minutes. (Fig. 5-24)



(ee) Confirm the conditions shown on the scan tool, and press ENTER. (Fig. 5-25)



(ff) Select "Remote Engine Starter" by pressing the "2" button. (Fig. 5-26)

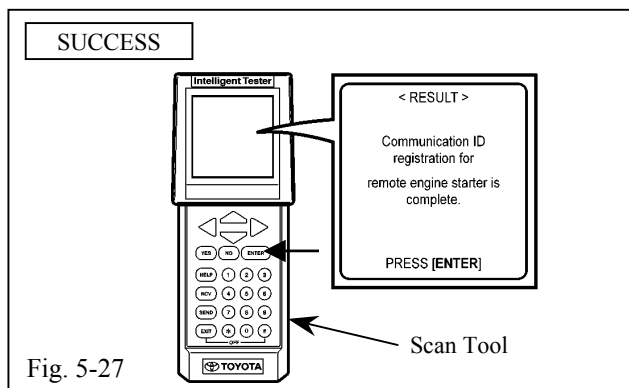


Fig. 5-27

(gg) When the IMMOBILIZER setting is completed, confirm what appears on the screen as shown, then press the "ENTER" button. (Fig. 5-27)

Go to step hh.

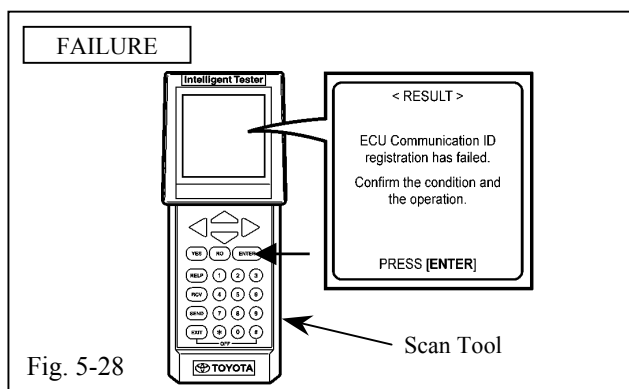


Fig. 5-28

(hh) If the IMMOBILIZER setting fails, as displayed on the screen, then press the "ENTER" button. (Fig. 5-28)

(1) Start again from step L.

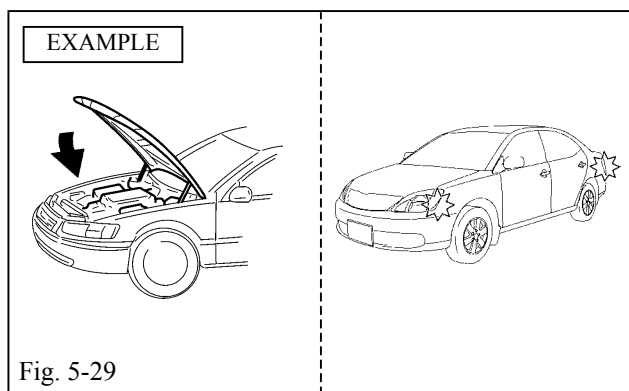


Fig. 5-29

(ii) Close the hood. (Fig. 5-29)

(jj) The hazard lights flash twice. Registration completed (Fig. 5-29)

(kk) If you fail this procedure, the hazard lights flash 3 times. Registration will not set. Start again from Step a.

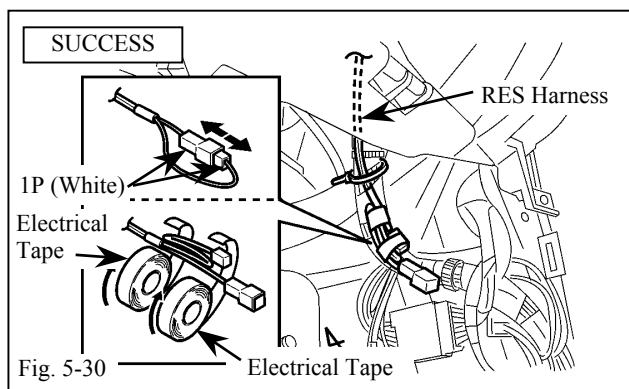
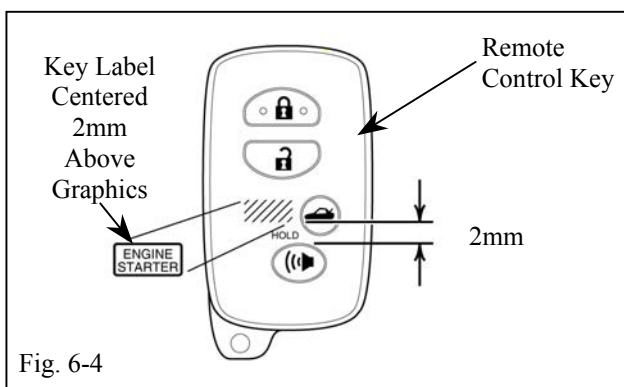
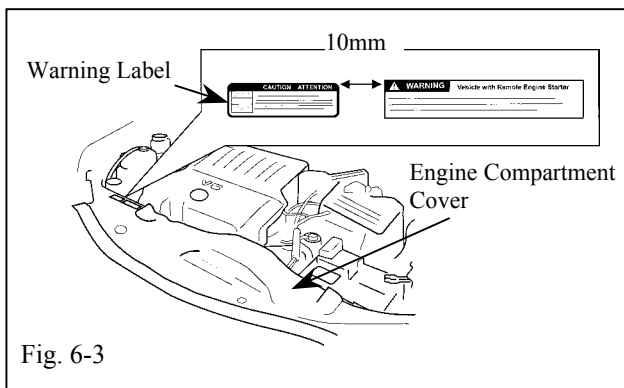
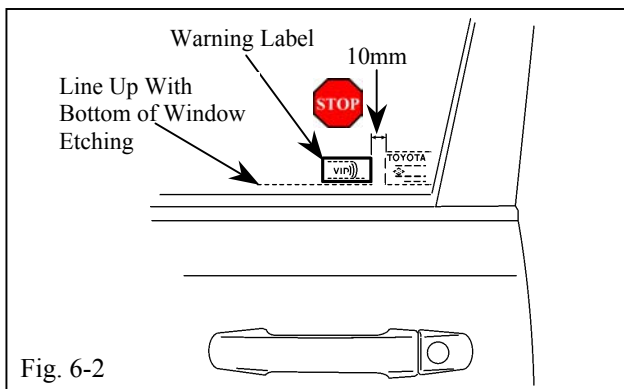
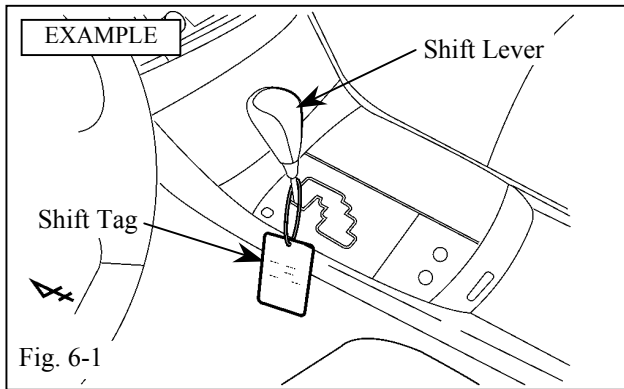


Fig. 5-30

(ll) Disconnect the RES harness' white 1P connectors. Secure the RES harness and 1P connectors with electrical tape as shown. (Fig. 5-30)

(mm) Press the power button to the "OFF" (Indicator Light off) position.

Go to Section 6.



6. Tags and Labels Installation.

(a) Hang the shift tag on the shift lever. (Fig. 6-1)

(b) Using household Windex, clean the inside surface of the front door's windows.

(Fig. 6-2)

(1) When cleaning with household Windex, follow the manufacturer's directions.

(c) Place the window labels on the inside surface of the front door's windows as shown.

(Fig. 6-2)

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

(2) Do not touch the labels' adhesive surface.

(d) Using 3M™ Prepsolvent-70, clean the area indicated on the engine compartment cover as shown. (Fig. 6-3)

(1) Do not allow cleaner to air dry.

(e) Remove the backing sheet and attach the warning label to the engine compartment cover on the left hand side as shown. Do not touch the label's adhesive surface. (Fig. 6-3)

(f) Remove one of the remote controls from its protective bag. With the utility knife, neatly cut a slit to open the bag. (Fig. 6-4)

(g) Using 3M™ Prepsolvent-70, clean the area indicated on the remote control.

(Fig. 6-4)

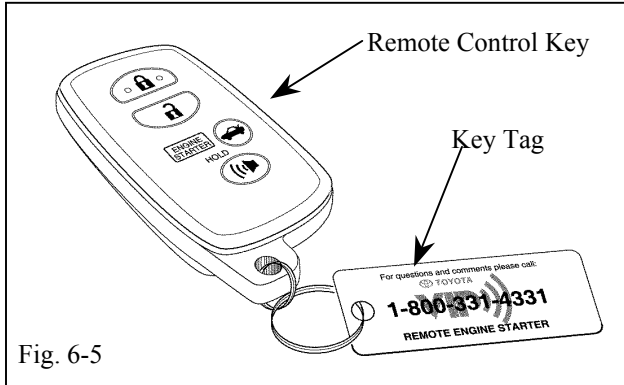
(1) When cleaning with 3M™ Prepsolvent-70 approved cleaner, follow the manufacturer's directions. Do not allow cleaner to air dry.

(h) Remove the backing sheet and attach the key label to the remote control key as shown.

(Fig. 6-4)

(1) Use a piece of clean adhesive tape to lift the label off its protective backing sheet.

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

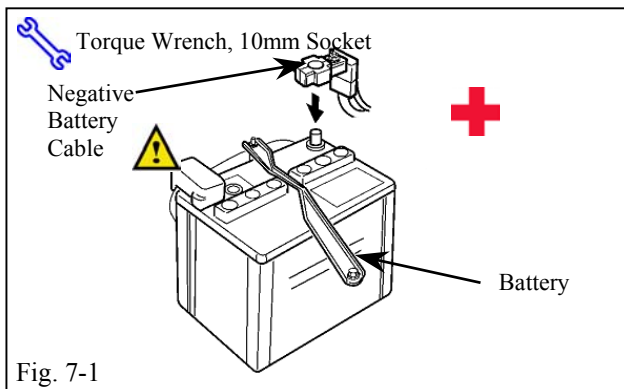


- (j) Attach the key tag to the remote control key's ring. (Fig. 6-5)

7. Completing the Installation.

- (a) Complete the reassembly of the vehicle.
- (1) Reconnect any disconnected connectors.
 - (2) Verify the panels fit together properly with no uneven gaps between them.

- (b) Position the negative battery cable at the original factory position. (Fig. 7-1)



- (c) Tighten the nut to 36 in-lbf $\pm$ 1.5.
- (d) Do not touch the positive terminal with any tool when replacing the cable.
- (e) Clean up and remove any trash.
- (f) Place the owner's manual, left in its protective bag, in the glove box.
- (g) Reset the power windows.
- (1) Turn ignition key to the "ON" position.
 - (2) Push down the power window switches of each door, and lower the windows halfway.
 - (3) Pull up the switches until the windows close and hold switches up for a minimum of one (1) second.
- (h) Reset the power moon roof.
- (i) Push and hold the moon roof switch to close side until the moon roof closes.

TOYOTA CAMRY (Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:	Look For:
<u>Accessory Function Checks</u>	<u>Function</u>
Fit the appropriate fuse before beginning.	
Close the hood, place the shift lever in the “P” (parking) position, set the parking brake, close all doors, and exit the vehicle.	
☐ Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds.	1. The hazard lights flash after 3 seconds. The engine starts. The hazard lights flash repeatedly for 20 seconds.
☐ Press the remote control’s unlock button.	2. The engine stops. The hazard lights flash twice.
☐ 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.	3. Refer to Step 1. The engine stops. The hazard lights flash once.

TOYOTA CAMRY (Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

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 and the smart key in your possession, pull the outside door handle.

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, manually unlock any door with the inside lock switch.
- ☐ 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.

Look For:

- 4. Refer to Step 1.
The engine stops.
The hazard lights flash twice.
- 5. Refer to Step 1.
The engine stops.
The hazard lights flash once.
The security alarm triggers if security is armed.
- 6. Refer to Step 1.
The engine stops.
The hazard lights flash once.
The security alarm triggers if security is armed.
- 7. Refer to Step 1.
The engine stops.
The hazard lights flash once.

TOYOTA CAMRY (Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

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 and the smart key in your possession, press the power button on the dash.
- ☐ Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. Step on the gas pedal until engine speed exceeds 3000 RPM.
- ☐ Move the shift lever from "P" (parking) to another position. Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine.

Look For:

- 8. Refer to Step 1.
The engine stops.
The hazard lights flash once.
- 9. Refer to Step 1.
The engine stops.
The hazard lights flash once.
- 10. The engine does not start.

TOYOTA CAMRY (Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:	Look For:
<u>Vehicle Function Checks</u>	
☐ Head Lights	Functioning Head Lights
☐ High Beams	Functioning High Beams
☐ Turn Signal Lights	Functioning Turn Signal Lights
☐ Tail Lights	Functioning Tail Lights
☐ Stop Lights	Functioning Stop Lights
☐ Backup Lights	Functioning Backup Lights
☐ Hazard Lights	Functioning Hazard Lights
☐ Marker Lights	Functioning Marker Lights
☐ Dome/Courtesy Lights	Functioning Dome/Courtesy Lights
☐ Panel/Switch Illumination	Functioning Controls/Illumination
☐ Accessory Controls/Illumination (if equipped)	Functioning Accessory
☐ Key Sensor Buzzer	Functioning Key Sensor
☐ Fog Lights (if equipped)	Functioning Fog Lights
☐ Daytime Running Lights (if equipped)	Functioning DR Lights
☐ Trunk/Tailgate/Bed Lights (if equipped)	Functioning Lights
☐ Glove Box Light (if equipped)	Functioning Glove Box Light
☐ Cruise Control Light (if equipped)	Functioning Cruise Control Light

TOYOTA CAMRY (Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:

- ☐ 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)
- ☐ 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

Look For:

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

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

TOYOTA CAMRY (Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:

- ☐ 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 Column Check (if equipped)

Remove the appropriate fuse after checks are completed.

Look For:

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 Column Check

Part Number: PT758-03076**NOTE:** Part number of this accessory may not be the same as the part number shown.**Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Alloy Wheel painted
2	1	Customer Care Card

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Center Cap Painted (PT385-33070-CC)
2	5	Lugnuts (90084-94001)

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1	As Required	Balance Weights Stick-on Type
2	As Required	Balance Weights Clip on Type
3	As Required	Valve Stem Grommet Fitting Kit P/N 04423-35020 (if required)

Conflicts

--

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Seat Protection	Blanket
Special Tools	Notes
Wheel Balancing Machine	Hunter GSP9700 or equivalent
Tire Mounting Machine	Hunter TC3250 or equivalent
Centering Cone	Hunter 192-51-2
Foot Brake Application Tool	Snap-on B240A Pedal Jack or Equivalent
Installation Tools	Notes
Lug Nut Wrench	
Rubber Mallet	
Torque Wrench	Dial type or digital, 0-100 lbf-ft (136 N-m)
Torque Wrench	0-36 lbf-in (4.1 N-m)
Socket	21 mm Deep Well
Clean Lint-free Cloth	

Wire Brush	
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Socket	12 mm Thin Wall, Deep Well
Special Chemicals	Notes
Tire Lube	
Cleaner (for rework only)	3M™ Prepsolvent-70

General Applicability

Applicable to Camry only with TPMS.
Use with tire size P215/60R16 94V

Recommended Sequence of Application

Item #	Accessory
1	Alloy Wheel
2	Wheel Lock

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		
2		
3		

Legend**STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.**OPERATOR SAFETY:** Use caution to avoid risk of injury.**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

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

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

This document covers such items as:-

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

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

1. Vehicle Preparation.



(a) Firmly apply parking brake.



(b) Put automatic transmission in "P".
(Fig. 1-1).

(c) Put manual transmission in "R"

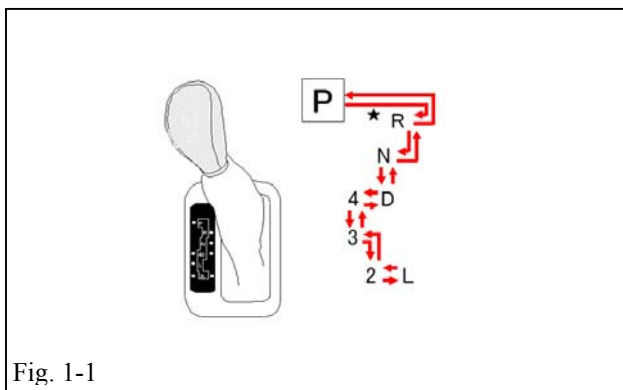


Fig. 1-1

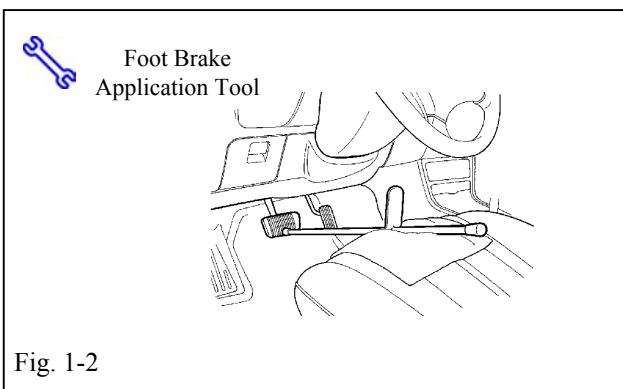


Fig. 1-2

(d) Add seat protection (blanket) and apply foot brake using foot brake application tool.
(Fig. 1-2).

(e) Lift vehicle.

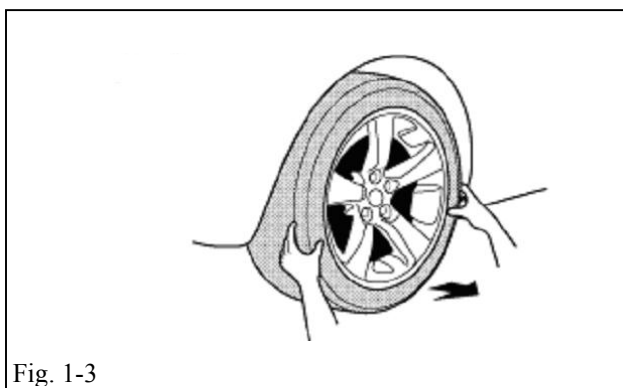
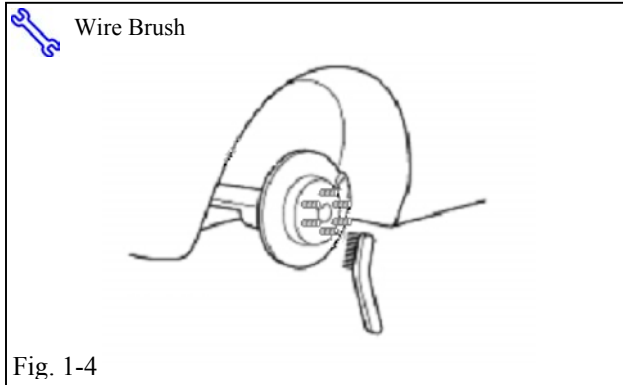


Fig. 1-3



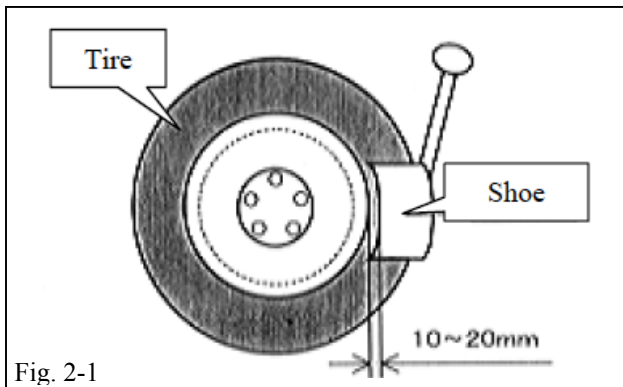
(f) Remove OE wheel and tire assembly from vehicle (Fig. 1-3). Wear safety glasses while removing wheels.



- + (g) If required remove any corrosion on the mounting surface of the vehicle with a wire brush. Wear safety glasses to protect against dust. (Fig. 1-4).

2. Remove Tire Pressure Monitor Valve Sub-assembly.

- + (a) Remove the valve core and release pressure from the tire.
- (b) Remove the nut and washer and let the pressure sensor drop inside the tire.
- (c) Carefully separate the upper tire bead from the wheel rim. (Fig. 2-1).



STOP **NOTE:** Be careful not to damage the tire pressure monitor due to interference between the sensor and tire bead.

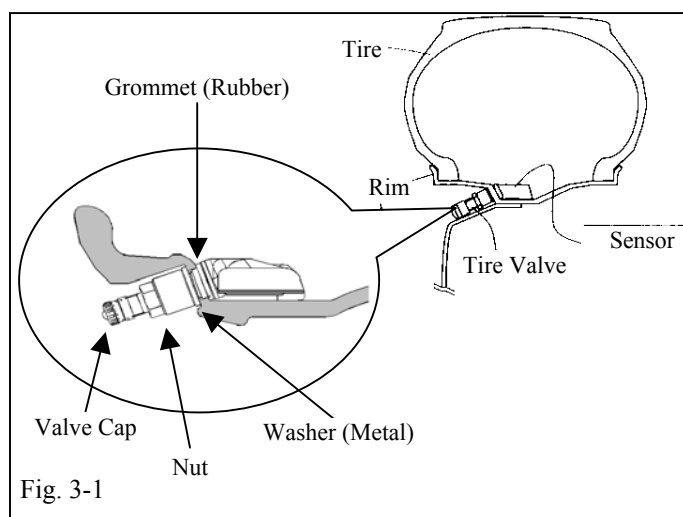
- (d) Remove the sensor from the tire and remove the bead on the lower side as in usual tire removal operation.
- (e) Remove the rubber grommet from the tire pressure monitor valve sub-assembly.
- (f) Dismount OE tire from the OE wheel.

3. Install Tire Pressure Monitor Valve Sub-assembly to Accessory Wheel.

- (a) Visually check that there is no deformation or damage on the tire pressure monitor valve sub-assembly.
- (b) Check that the rim is clean.
- (c) Change grommet to a new one if the grommet was damaged.

STOP **NOTE:** Damaged grommet is NOT re-usable.

- (d) Check that the grommet, washer and nut are clean.



(e) Insert the tire pressure monitor valve sub-assembly into the valve installation hole from the inside of the rim and bring the valve stem to the outside. (Fig. 3-1).

(1) Insert the tire pressure monitor valve sub-assembly so that "PACIFIC" mark is visible.



NOTE: Incorrect orientation of pressure monitor sub-assembly may cause damage and prevent signal transmission during high-speed running.

(f) Install the washer and secure with the nut.



(1) Tighten the nut to 4.0 N-m (36 lbf-in)

4. Tire Mounting.

(a) Use tire lube on tire bead and bead location on wheel prior to mounting the tire.

(b) Position the wheel on the mounting machine with the sensor at ~ 7 o'clock position (shaded area in Fig. 4-1)

(1) Mount/dismount head is considered as 12 o'clock Position.

(c) Mount the lower tire bead.



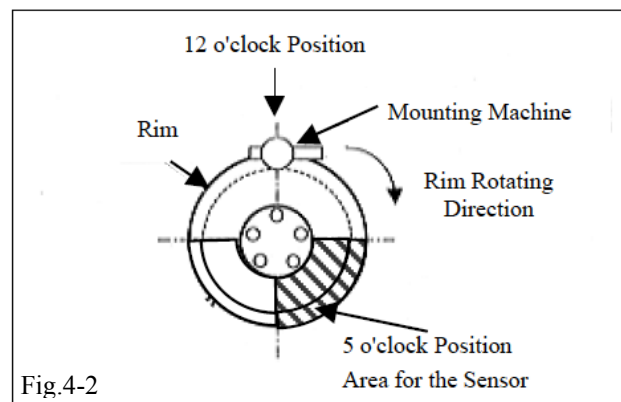
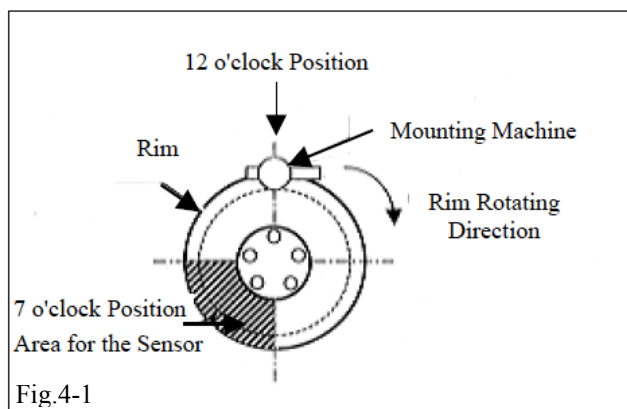
NOTE: If the sensor is positioned outside this area, it generates interference with the tire bead, causing possible damage to the sensor.

(d) Re-position the wheel on the mounting machine with the sensor at ~ 5 o'clock position (shaded area in Fig. 4-2)

(e) Mount upper tire bead.



NOTE: Make sure that the tire bead and tool does not interfere with the main body of the sensor and the bead does not clamp the sensor.



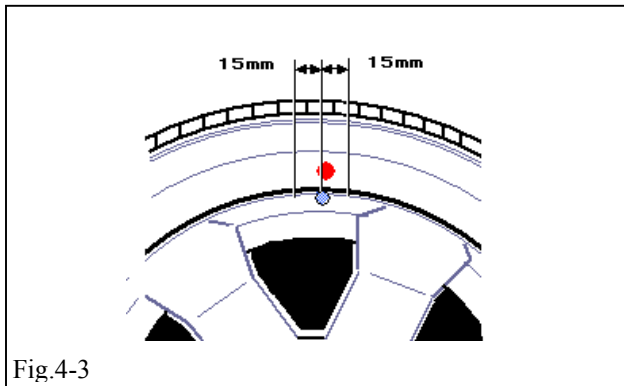


Fig.4-3

- (f) Remount OE tire on alloy wheel, matching tire high spot (red dot) with that of wheel low spot (yellow sticker).



- (1) The red dot on tire and yellow sticker on wheel must be aligned to within +/- 15 mm center to center. (Fig. 4-3)



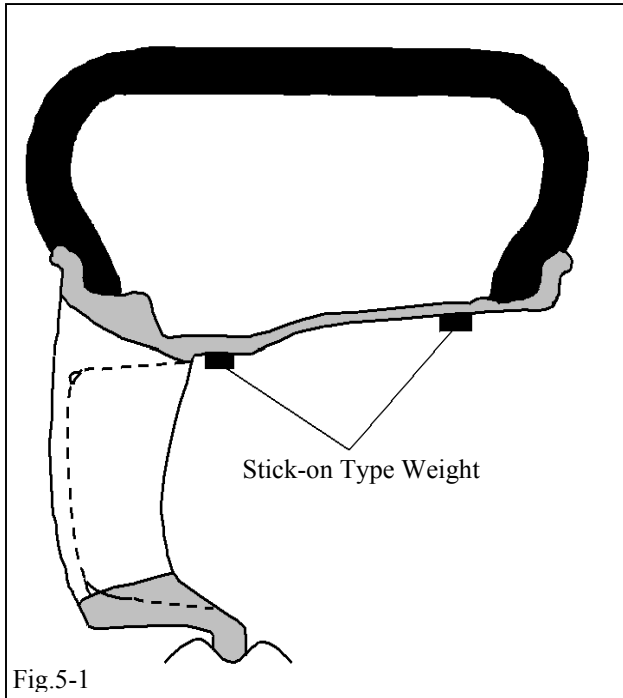
NOTE: If the yellow sticker on the wheel is missing, then align the red dot on the tire to the valve stem location on the wheel.



- (g) To seat tire bead, inflate tire beyond 43 PSI but not more than the maximum tire bead seat pressure indicated on the tire sidewall. If it is not indicated use 50 PSI as a limit. If tire bead is not seated when pressure registers 50 PSI, deflate the tire and re-inflate to seat the bead. Regulate tire pressure to owners manual value.
- (h) After inflating the tire, re-tighten the nut of tire pressure monitor valve sub-assembly to 4.0 +/- 0.6 N-m (36 +/- 5.3 lbf-in)

5. Wheel Balancing.

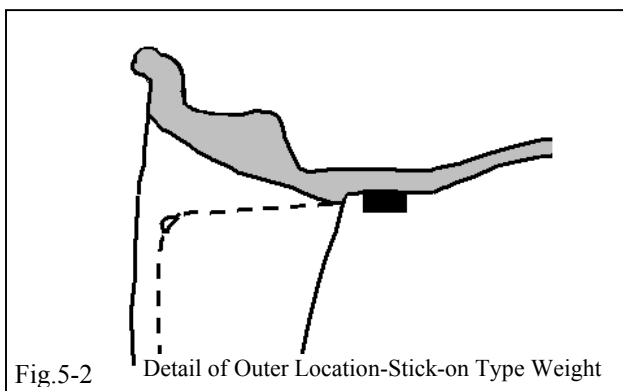
NOTES: Application temperature for stick-on type weight is above 10°C (50°F). It is good practice to apply the stick-on type in sections comprised of no more than 5 or 6 individual weight segments.



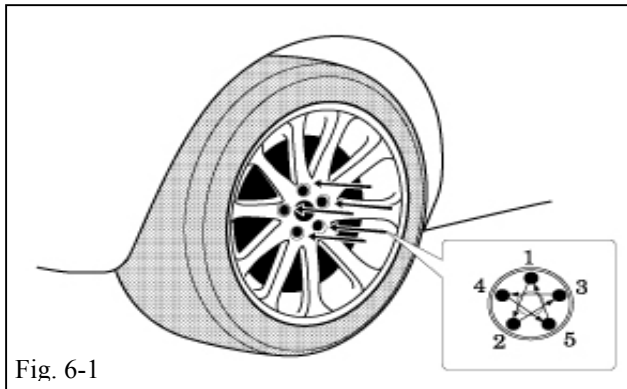
(a) Mount wheel /tire on wheel balance machine and balance in DYNAMIC MODE. Enable the LOAD ROLLER, if applicable, to ensure proper bead seating. Use stick-on type weights. (Figs. 5-1 & 5-2)

(b) Prior to mounting stick type wipe down the weight mounting location on wheel with a clean lint-free dry cloth. Ensure that the location is clean and dry. Apply stick-on type weights at perimeter location identified by dynamic balance machine as shown. Use rubber mallet, if required, to achieve complete adhesion of stick type weight.

NOTES: Maximum stick-on type weight is 50g inner and 50 g outer. If removal and replacement of stick-on type weight is necessary, then remove the weight using a nylon removal tool. Clean the surface with clean cloth and 3M™ Prepsolvent-70. Wipe the surface dry before re- applying a new weight. (DO NOT RE-USE STICK-ON WEIGHTS.)



(c) Re-spin the wheel on the machine with LOAD ROLLER DISABLED (if applicable) and note the indicated remaining unbalance. The maximum permitted unbalance is 8g at inner and 8 g at outer location. If the indicated unbalance is not within permissible limit, carefully remove the balance weights using the nylon removal tool (for stick-on type weight) and re-balance the tire/wheel assembly.



6. Vehicle Wheel / Tire Installation.



- (a) Install wheel/tire assembly on vehicle. Hand start the lug nuts during installation. Tighten lug nuts in sequence 1 through 5 (Fig. 6-1). Ensure that the socket does not scuff the wheel. Tighten to 76 lbf-ft (103N-m) using a torque wrench.

- (b) Lower the vehicle.

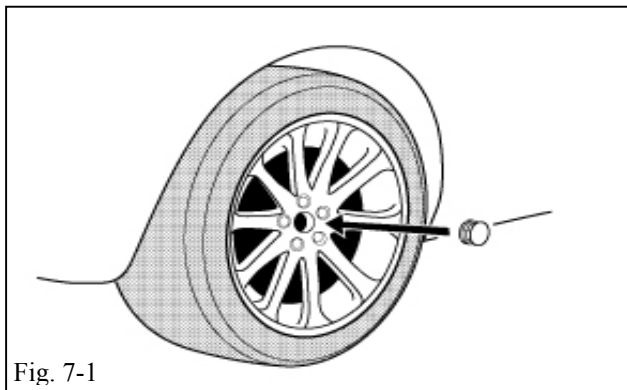
- (c) Tire pressure should be adjusted to the value recommended in the owner's manual for this vehicle. Install valve stem cap.

7. Center Cap Installation.



- (a) Place four (4) center caps in the same location as that used for OE center caps.

NOTE: For PDS vehicle, install center caps on wheels. Gently push caps into wheel until they snaps into place. (Fig. 7-1)



8. Customer Care Card



- (a) Place customer care card in glovebox.

TOYOTA CAMRY (16") 2007 - ALLOY WHEEL
Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

☐ Inspect lug nuts.

 ☐ Lug nut tightness.

☐ Correct Tire Pressure

Look For:

Five lug nuts must be installed on each wheel

Tighten to 76 lbf-ft (103 N-m) torque.

Verify tire pressure is: - owner's manual value $\pm$ 2 PSI.

Part Number: 08586-3T950

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

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Wire Harness
2	1	RES ECU
3	1	BUS ECU
4	1	ECU Mounting Bracket
5	1	Butyl Tape
6	1	Support Bracket

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Splicing Connector
2	4	Nut
3	8	Small Foam Tapes
4	30	Wire Ties
5	2	Window Labels
6	2	Key Tag
7	1	Shift Tag
8	1	Key Label (For Remote Control Key)
9	2	Caution Label (For Engine Compartment)
10	1	Owner's Manual
11	1	Butyl Tape

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1	1	Hood Switch Kit (08586-42830)* *Req'd for all vehicles without OE Security (TDS).

Conflicts

Note: Must not be installed into vehicles without factory RKE or vehicles with manual transmission.

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Scan Tool and Software Card	01001271 with Version 13.3 Software (or later)
Wiring Terminal Tool	IADS #: ALL 02-016-03
Electrical Phillips Head Screw Driver	Snap On SDEP21 No. 1 Phillips
Installation Tools	Notes
Phillips Head Screwdriver	#2, screwdriver or tip
Socket	10mm
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Pneumatic/Electric Wrench	

Side Cutters	
Torque Wrench (for battery)	36 in.-lbf
Torque Wrench (for hood switch lock assembly)	66 in.-lbf
Wrench	10mm, 12mm
Utility Knife	
Pliers	
Needlenose Pliers	
Marker	
Special Chemicals	Notes
Cleaner	3M™ Prepsolvent-70
Glass Cleaner	Household Windex

General Applicability

Note: Camry with Non-Smart Key, and automatic transmission only.

Recommended Sequence of Application

Item #	Accessory	
1	V4/V2/V5	Security
2	Satellite Radio	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description

Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
	TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

IMPORTANT NOTE:

All vehicles with factory security (TDS) that have a hood switch, and do not need part number 08586-42830 do not use Section A. After vehicle disassembly, please go to Section B.

All vehicles without factory security (TDS) use the installation instructions in both Section A and Section B, and also requires a hood switch kit: 08586-42830.

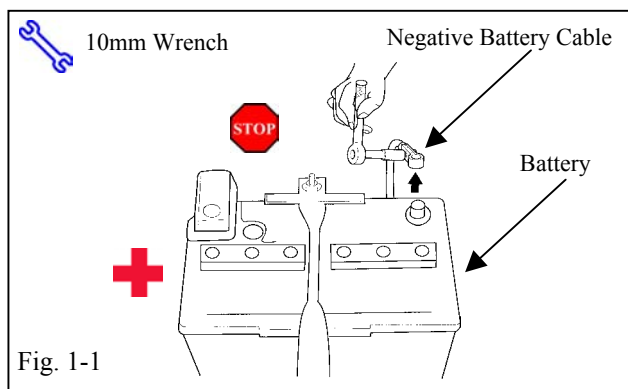
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
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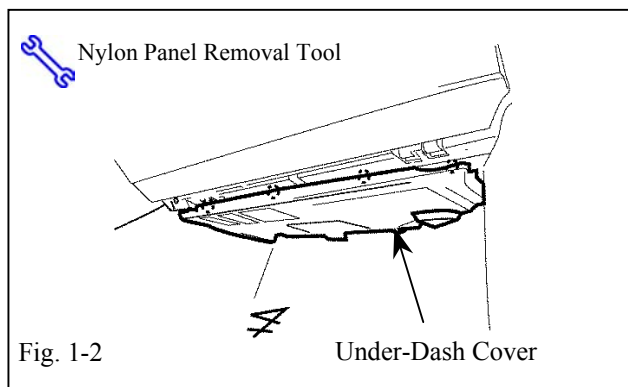
1. Vehicle Disassembly.

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

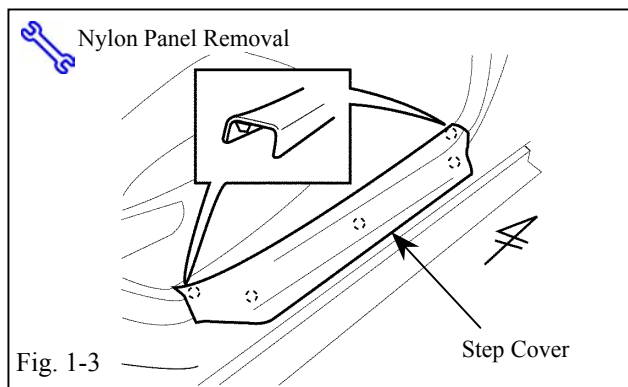
(b) Remove the negative battery cable.
(Fig. 1-1)

(1) Protect the fender before starting.

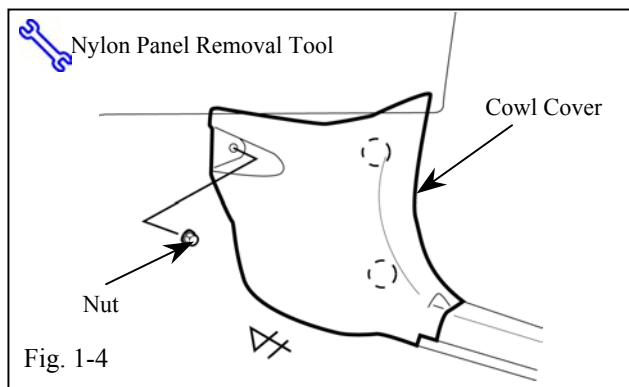
(2) Do not touch the positive terminal with any tool removing the cable.



(c) Remove the glove box under-dash cover.
(Fig. 1-2)

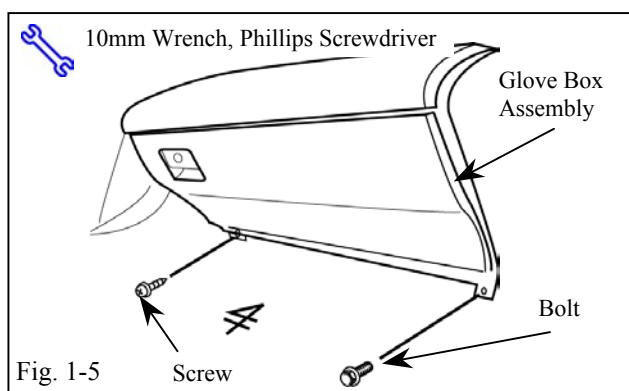


(d) Remove the passenger's step cover.
(Fig. 1-3)

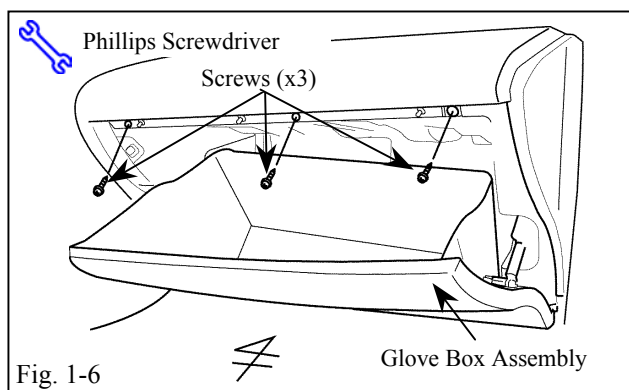


- (e) Remove the passenger's cowl cover.
 (Fig. 1-4)

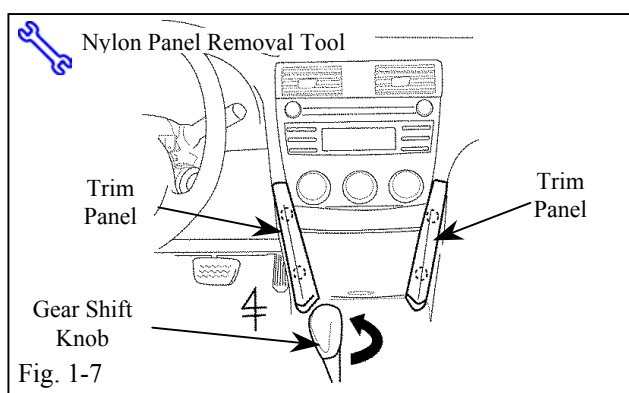
(1) Remove one nut securing the cowl cover.



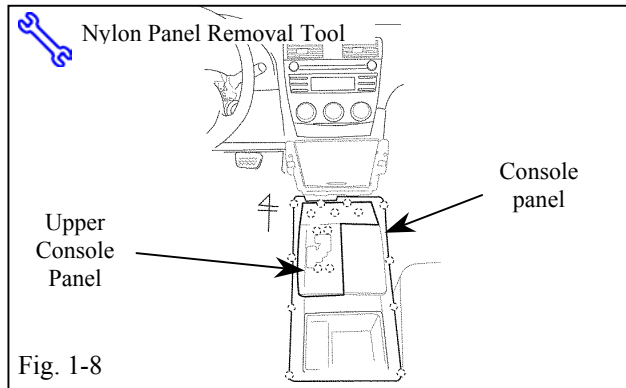
- (f) Remove one screw and one bolt from the glove box assembly. (Fig. 1-5)



- (g) Open the glove box door and remove three screws securing the glove box assembly.
 (Fig. 1-6)



- (h) Confirm that the emergency brake is set.
 (i) Move the shifter to the "D" position.
 (Fig. 1-7)
 (j) Remove the left and right side trim panels from the center cluster. (Fig. 1-7)
 (k) Remove the shift knob. (Fig. 1-7)



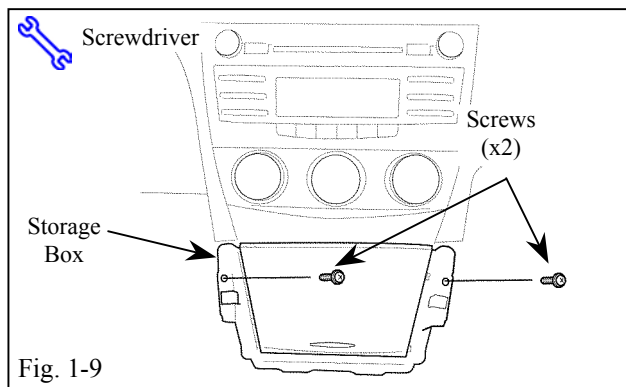
(l) Loosen the upper panel of the floor console panel. (Fig. 1-8)

(1) If the vehicle is equipped with seat heaters, disconnect any connectors from the console panel.

(m) Loosen the console panel. (Fig 1-8)



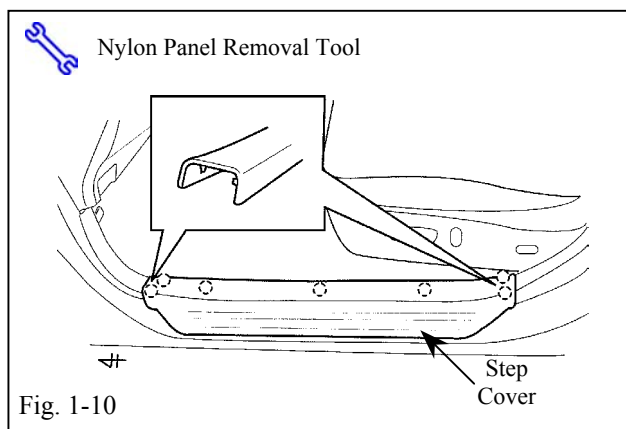
CAUTION: Place a protective sheet underneath the center console panel after it is loosened.



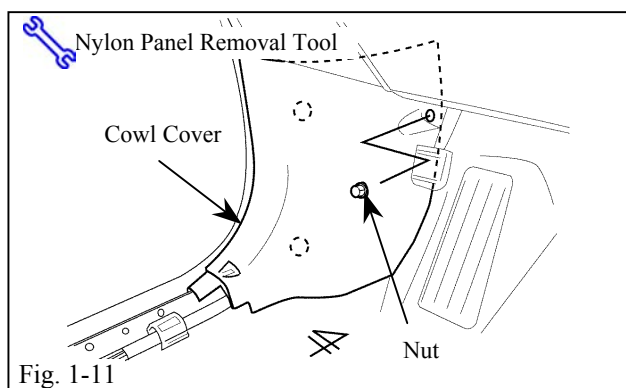
(n) Remove the center console storage box. (Fig. 1-9)

(1) Remove the two screws securing the storage box.

(2) Disconnect any connectors.

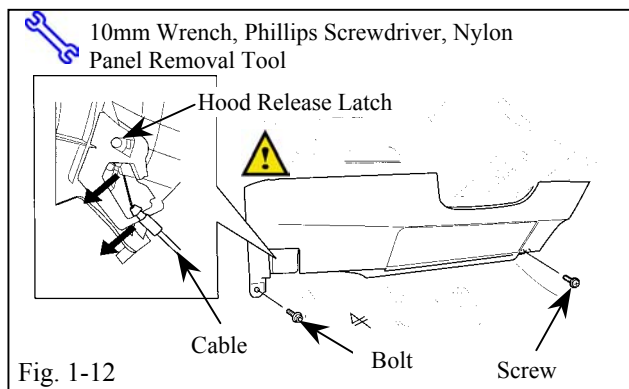


(o) Remove the driver's step cover. (Fig. 1-10)



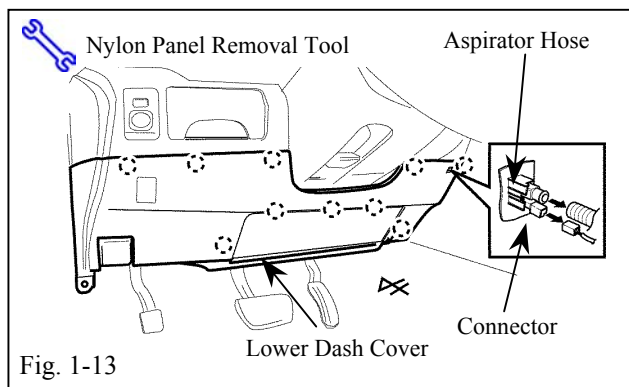
(p) Remove the driver's cowl cover. (Fig. 1-11)

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



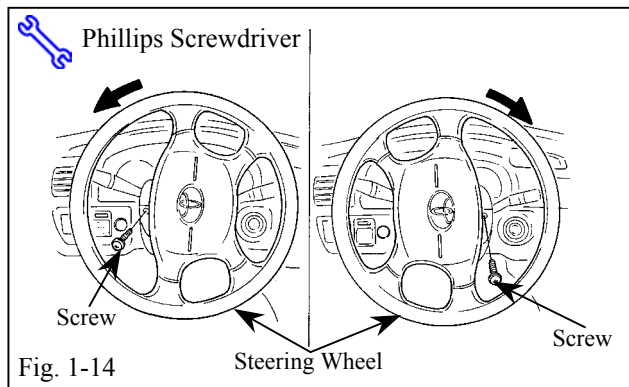
(q) Remove the hood release cable. (Fig. 1-12)

- (1) Do not bend the hood release cable.
- (2) Remove one screw and one bolt securing the lower dash cover.



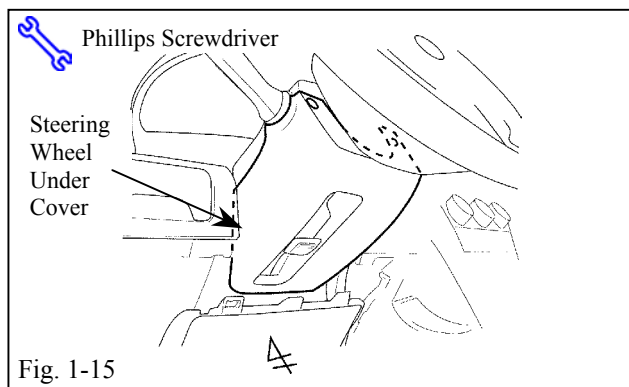
(r) Remove the lower dash cover. (Fig. 1-13)

- (s) Disconnect the temperature sensor (connector and aspirator hose) from the lower dash cover if equipped.

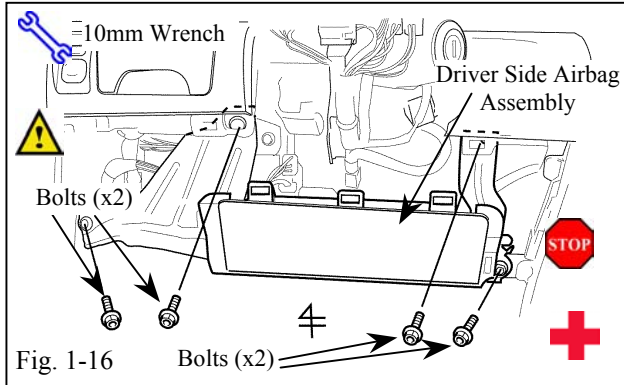


(t) Remove two screws, located behind the steering wheel, securing the bottom steering column cover. (Fig. 1-14)

- (1) Insert the key into the ignition switch and turn it to ON. Then, turn the steering wheel left or right to gain access to the screws. (Fig. 1-14)



(u) Remove the lower steering column cover. (Fig. 1-15)

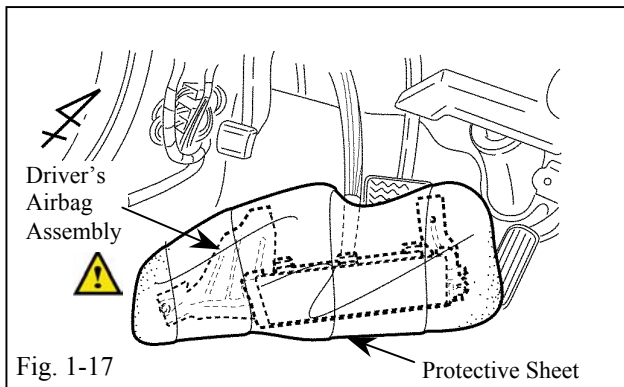


(v) Carefully remove the driver side airbag assembly. (Fig. 1-16)

(w) Remove four bolts securing the driver side airbag assembly.

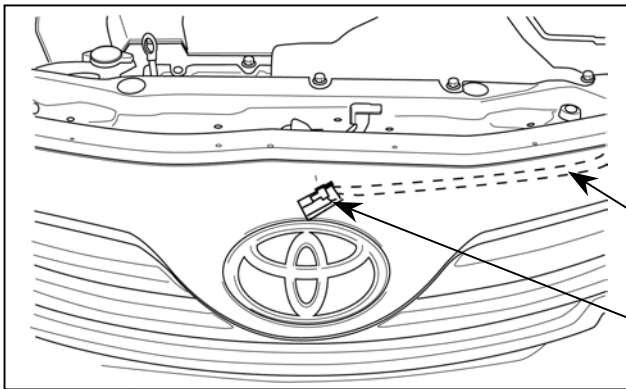
(1) Be careful not to get cut by the sharp metal edges.

(2) Do not disconnect the airbag assembly.

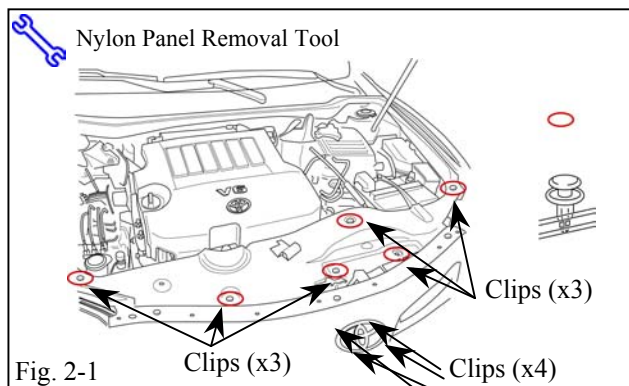


(x) Use the empty V4 kit box to support the airbag assembly on the floor. Using a protective sheet or blanket, completely wrap the driver side airbag assembly. Then place it over the box on the floor. (Fig. 1-17)

Select the engine compartment procedure according to the following chart:

Vehicle Grade	Confirm by the following description. Perform Vehicle Disassembly first:
XLE	Hood Switch Kit and Engine Compartment instructions not needed. <u>Section A installation not needed. Go to Section B. Start with page 14.</u>
SE	[1] Confirm factory alarm equipped in the vehicle. Vehicle with Factory Alarm [2] Does not need Engine Compartment Installation. <u>Section A installation not needed. Go to Section B. Start with page 14.</u> Vehicle <u>without</u> Factory Alarm [2] You must install Hood Switch. <u>Go to Section A. Start with page 8.</u>
LE	[1] To confirm vehicle pre-wire for hood switch in the engine compartment.  Pre-wire exists: [2] You must install Hood Switch. <u>Go to Section A. Start with page 8.</u> Pre-wire does not exist: [3] You must install both Hood Switch and Hood Switch Wire Harness. <u>Go to Section A. Start with page 8.</u>

Section A: Hood Switch Installation



2. Vehicle Disassembly

- (a) Remove the radiator support opening cover.
(Fig. 2-1)

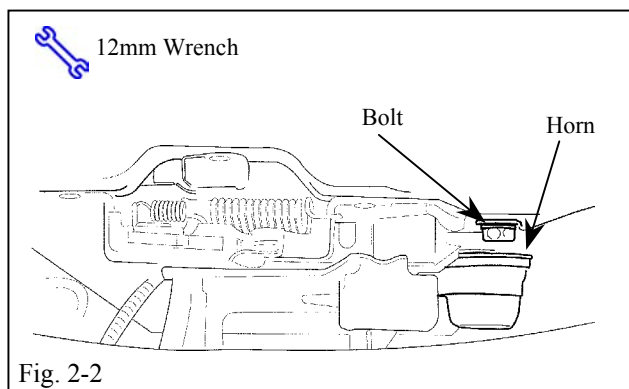


- (1) Protect the fender before starting.

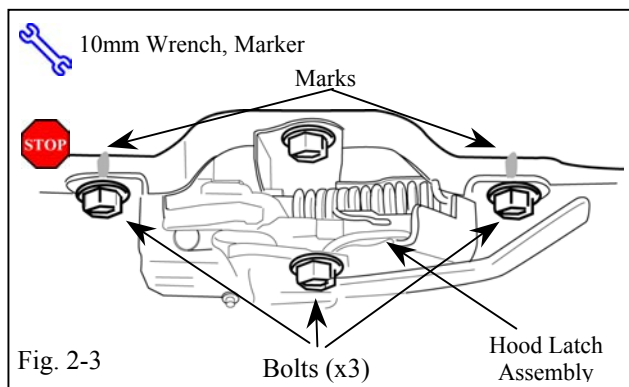


- (2) Remove the six clips securing the cover.

- (3) Remove the four clips securing the emblem on the grill, and then remove the emblem.



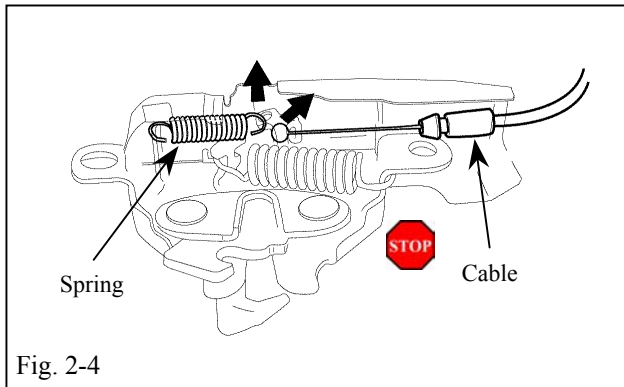
- (b) Loosen the bolt securing the horn assembly to the vehicle brace so that access is provided to the hood latch cable. (Fig. 2-2)



- (c) Locate the hood latch assembly in the engine compartment. (Fig. 2-3)

- (d) Mark the bolt locations on both the hood lock assembly and the vehicle brace to which it is attached with a marker so that alignment upon reinstallation is complete. (Fig. 2-3)

- (e) Remove the three bolts attaching the hood latch assembly to the vehicle brace. (Fig. 2-3)

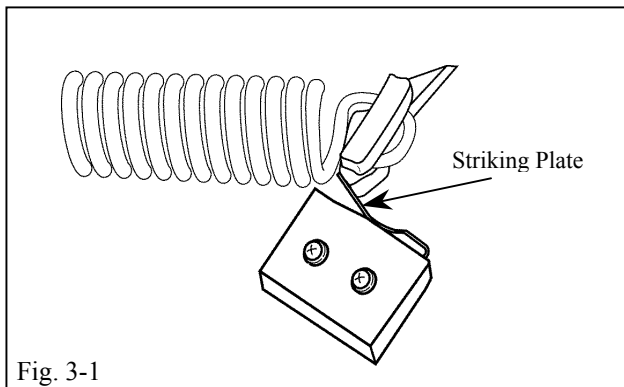


- (f) Disconnect the indicated spring from the hood latch assembly. (Fig. 2-4)



- (1) Take care not to bend the spring during removal.

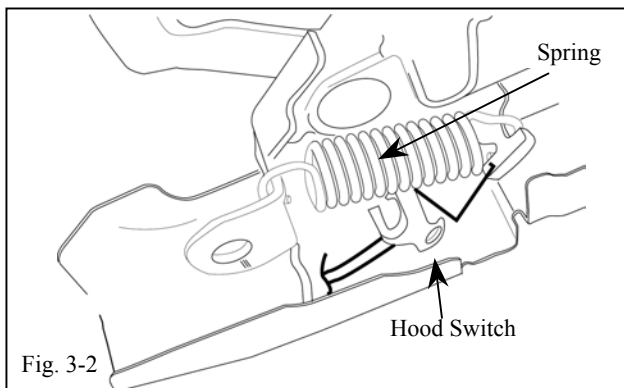
3. Hood Switch Installation



- (a) Position the striking plate of the hood switch so that it makes contact with the hood latch as shown. Ensure that there is no contact between the spring and the switch. (Fig. 3-1)

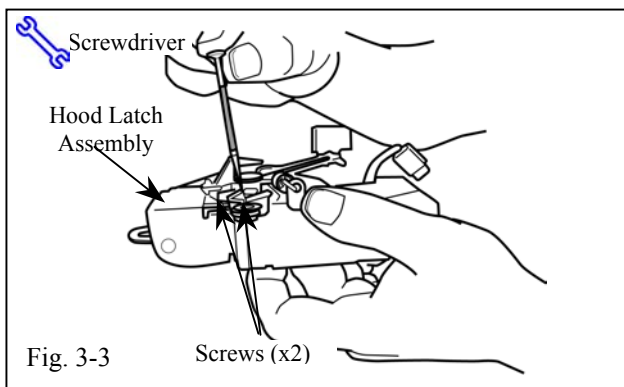
- (1) Ensure that the switch harness clamp fits snugly in the hood latch assembly hole.

- (2) Ensure that the hood switch harness does not come into contact with any moving parts on the hood latch assembly.

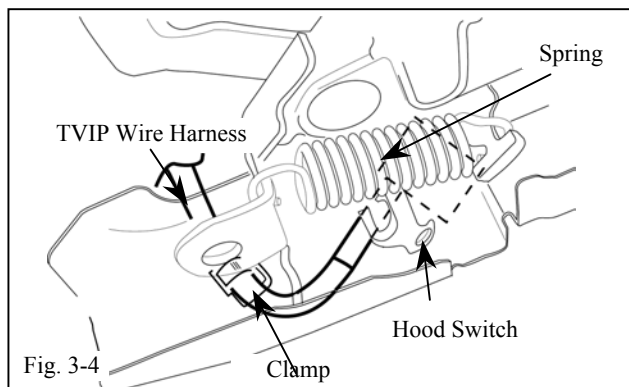


NOTE: When installing the switch, ensure the striking plate is not bent or twisted. Bending or twisting the striker can cause the engine starter not to program or may cause intermittent starting problems.

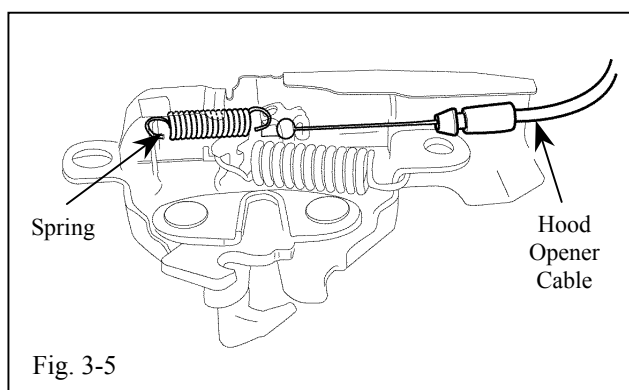
- (b) Reinstall the spring back into the hood latch assembly (Fig. 3-2)



- (c) Using a screwdriver, secure the hood switch to the hood latch assembly with the two supplied screws from the backside of the hood switch as shown. (Fig. 3-3)



- (d) Route the hood switch harness as shown. (Fig. 3-4)
- (e) Secure the harness to the latch with a clamp as shown. (Fig. 3-4)

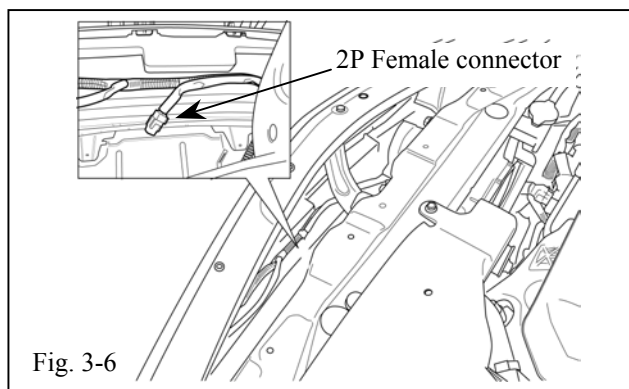


- (f) Reconnect the spring and the hood opener cable, and reinstall the hood lock assembly. (Fig 3-5)



NOTE: The hood latch mounting bolts are torqued to 7.5Nm (66 in lbf).

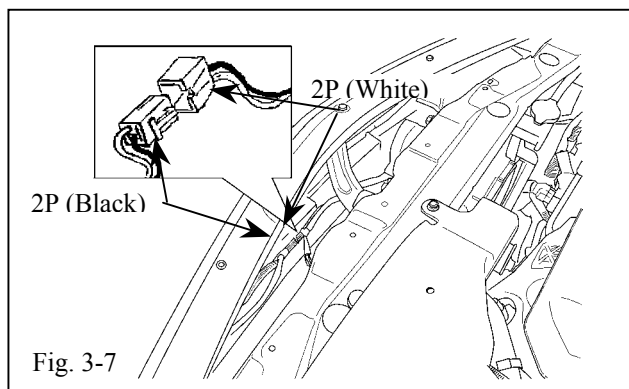
- (1) After the hood lock assembly has been installed, confirm its operation by using the hood opener lever.



EXISTANCE OF HOOD SWITCH PRE-WIRE IN THE ENGINE COMPARTMENT. (Steps g-i)

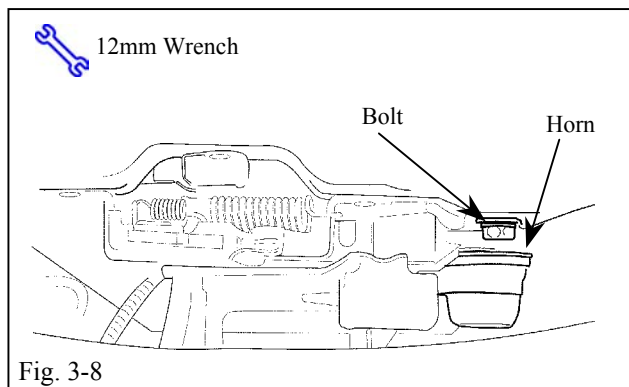
NOTE: Only perform this step on the existing vehicle's Hood Switch pre-wire.

- (g) Locate the female black 2P connector below the radiator support member, then remove the tape securing the vehicle harness' black 2P connector. (Fig. 3-6)



- (h) Connect the hood switch's white 2P connector to the vehicle's harness black 2P connector. (Fig. 3-7)

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



EXISTANCE OF HOOD SWITCH PRE-WIRE
IN THE ENGINE COMPARTMENT. (Step g-i)

NOTE: Only perform this step on the existing vehicle's Hood Switch pre-wire.

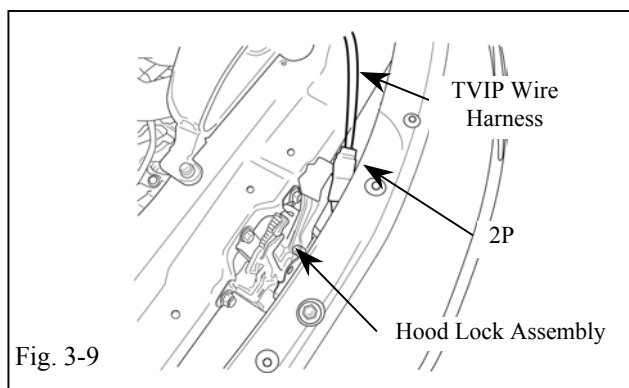
- (i) Refit the hood lock assembly and horn to the vehicle. (Fig. 3-8)

Procedure finished. Go to Section B.

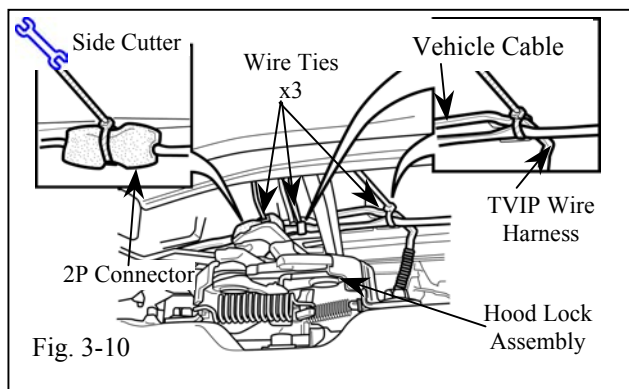
HOOD SWITCH PRE-WIRE NONEXISTENT IN
THE ENGINE COMPARTMENT. (Steps j-s)

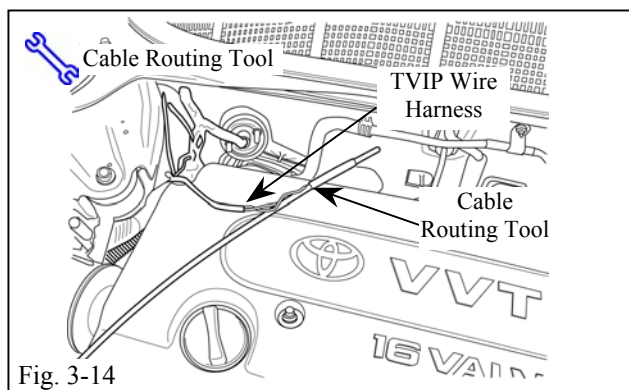
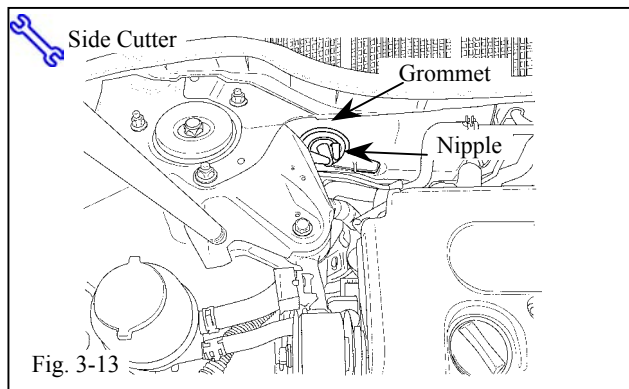
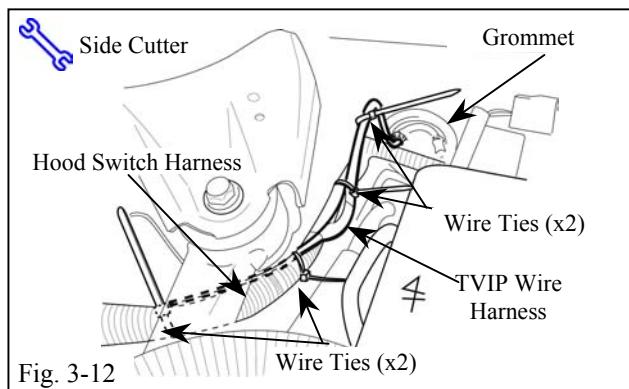
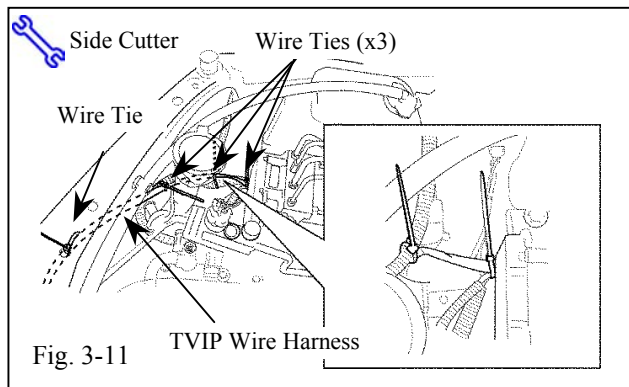
NOTE: Do not perform this step if there is an existing Hood Switch pre-wire

- (j) Connect the hood switch harness' 2P connector to the 2P hood switch connector on the hood latch assembly. (Fig. 3-9)



- (k) Route the hood switch harness cable along the front grille. Secure the TVIP wire harness including the 2P connector to the vehicle wire harness with three wire ties. (Fig. 3-10)





HOOD SWITCH PRE-WIRE NONEXISTENT IN THE ENGINE COMPARTMENT. (Steps j-s)

NOTE: Do not perform this step if there is an existing Hood Switch pre-wire.

(l) Continue routing the harness to the left side of the front grille. Secure one wire tie to the harness and the hole in the core support. (Fig. 3-11)

(m) Route hood switch harness under the ABS assembly and secure to the vehicle harness with three wire ties, leaving approximately four inches between each tie. (Fig. 3-11)

(n) Continue routing the hood switch harness towards the grommet. Secure four wire ties to the hood switch harness and the vehicle harness, approximately four inches apart, as shown. (Fig. 3-12)

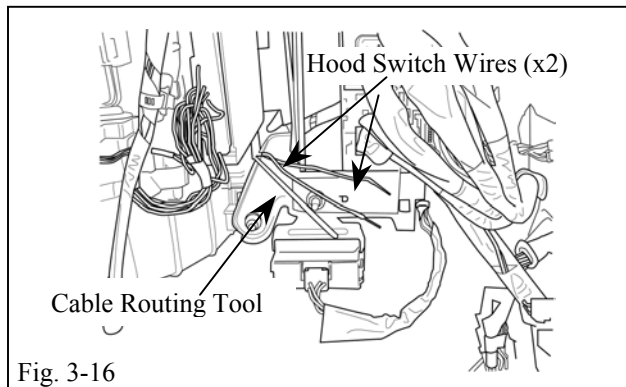
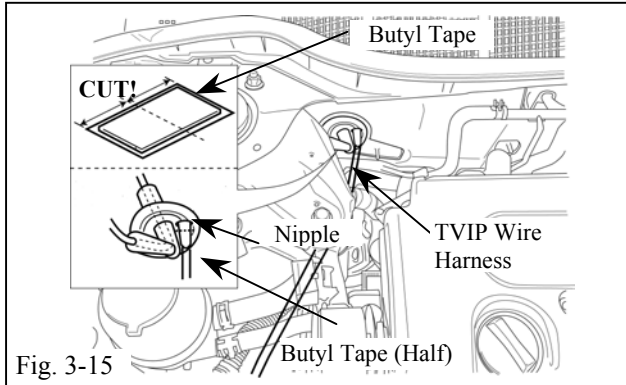
(o) Locate the grommet in the passenger side engine compartment area, then cut the nipple in the grommet. (Fig. 3-13)

(1) Cut off only the tip.

(2) Do not cut the vehicle harness.

(p) Secure the hood switch harness and cable routing tool [PPO only] or the like with electrical tape. (Fig. 3-14)

(q) Run the cable routing tool [PPO only] and the hood switch harness through the hole that was cut off the nipple, from the engine compartment to the passenger compartment. (Fig. 3-14)



HOOD SWITCH PRE-WIRE NONEXISTENT IN THE ENGINE COMPARTMENT. (Step j-s)

NOTE: Do not perform this step if there is an existing Hood Switch pre-wire

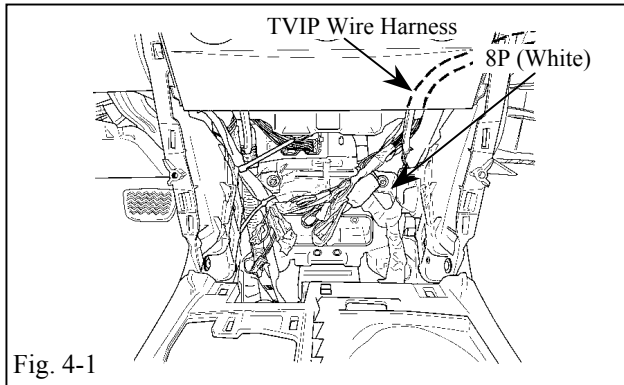
(r) Cut the butyl tape into two pieces. Then, using half of the butyl tape, fill the opening and wrap the wires. (Fig. 3-15)

(1) Cover the hood switch harness and the opening with the butyl tape. If the opening is not properly covered, water may enter the passenger compartment.

(s) Remove the electrical tape and cable wire running tool [PPO only]. (Fig. 3-16)

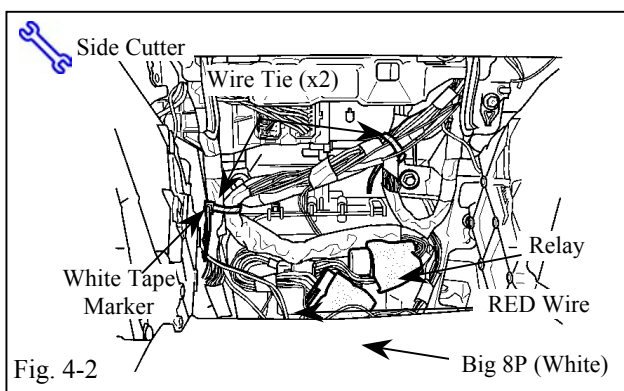


Section B: RES Installation.

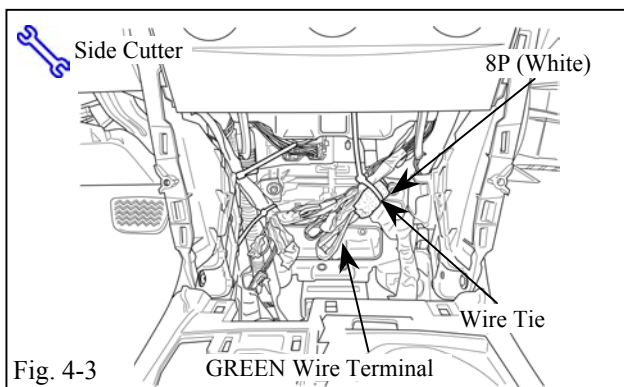


4. RES Harness Installation.

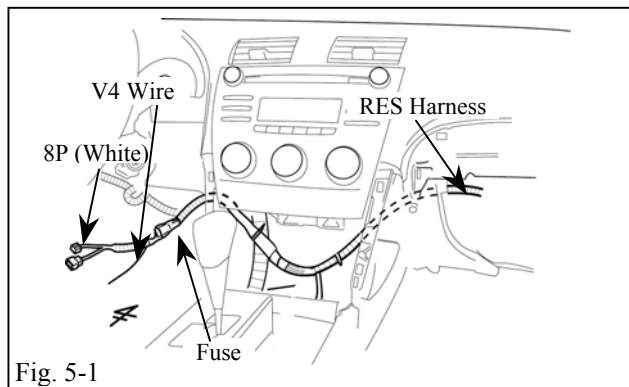
- (a) Route the portion of the RES harness containing the white 8P connectors, red wire, relay, fuse, 8P connector (include the empty female connector) and female terminal green wire from the glove box area into the center console area. (Fig. 4-1)



- (b) Locate the white taped marker on the RES harness, then secure it to the left side of the vehicle harness in the center console area with one wire tie. Then, secure one wire tie on the right side of the vehicle harness. (Fig. 4-2)

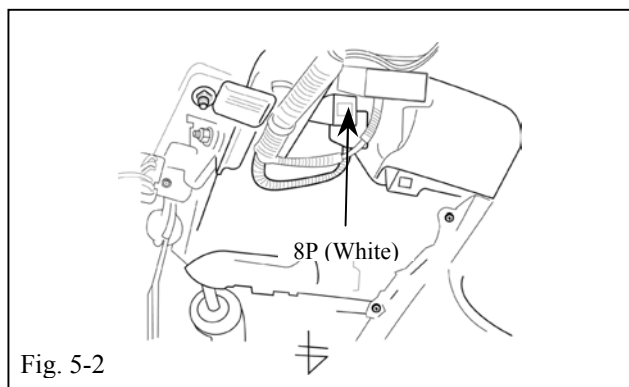


- (c) Secure the unused RES harness' green wire terminal with one wire tie. (Fig. 4-3)

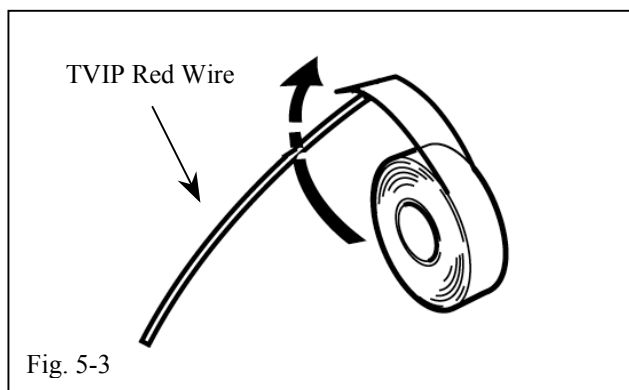


5. RES Harness Routing

- (a) Route the portion of the RES harness containing the white 8P connectors, red wire, relay, fuse, 8P connector (include the empty female connector) and female terminal green wire from the glove box area into the center console area. (Fig. 5-1)



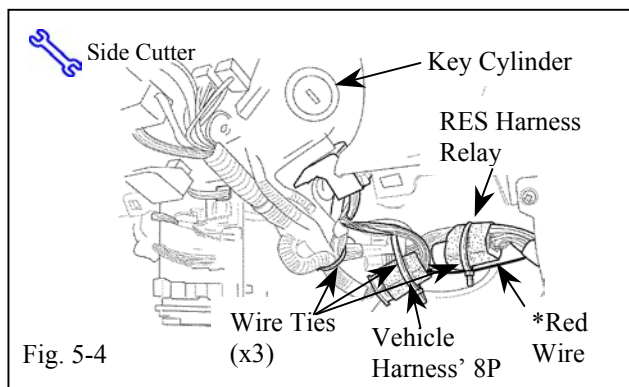
- (b) Locate and disconnect the white 8P connector from the ignition switch area. (Fig. 5-2)
- (c) Plug in the RES harness' white 8P connectors between the vehicle harness' 8P connector and the ignition switch. (Fig. 5-2)
 - (1) Verify the connectors are plugged in securely.



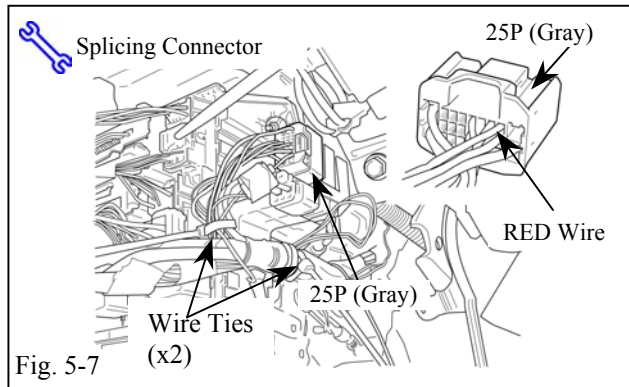
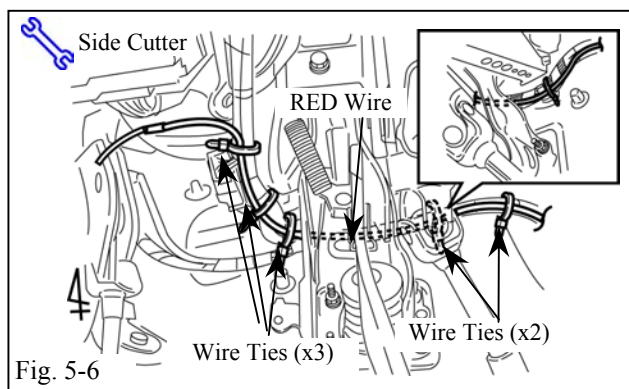
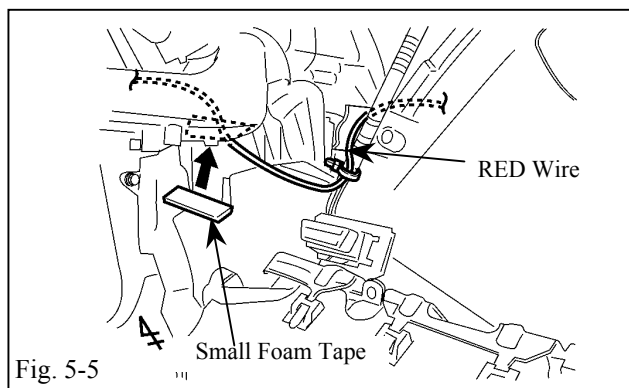
HOOD SWITCH PRE-WIRE NONEXISTENT IN THE ENGINE COMPARTMENT. (Step d)

NOTE: Do not perform this step if there is an existing Hood Switch pre-wire

- (d) Wrap the terminal at the end of the red wire with electrical tape. (Fig. 5-3)



- (e) Secure the RES harness, 8P connectors, and the relay to the vehicle harness, with one wire tie each. (Fig. 5-4)
 - *For vehicles without a hood switch pre-connector, bundle the RES RED wire and secure it with the relay to the vehicle harness with one wire tie. (Fig. 5-4)



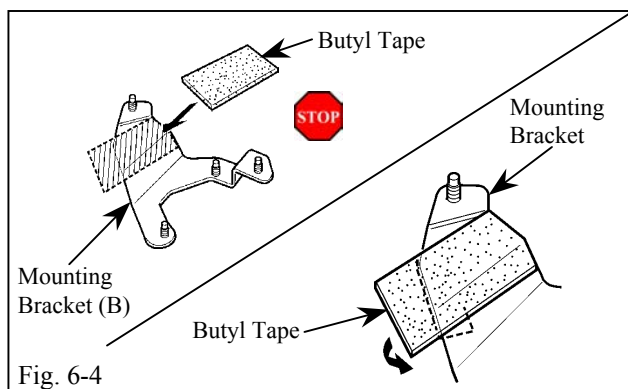
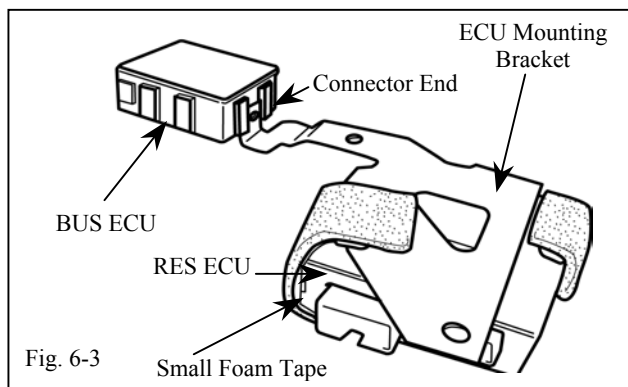
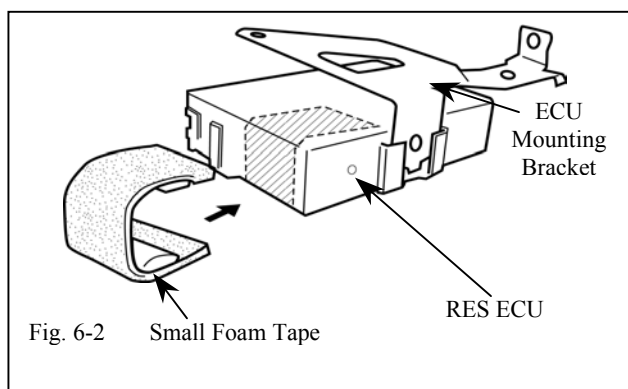
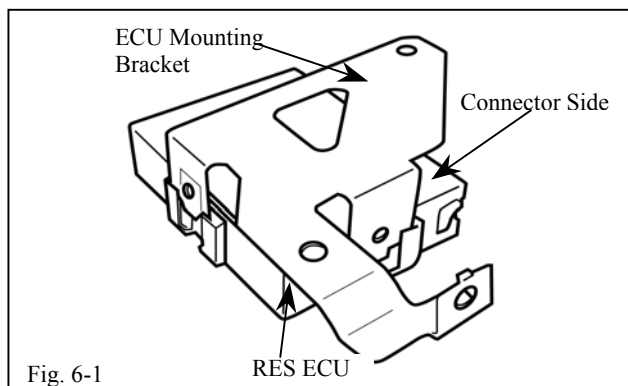
FOR VEHICLES WITH A HOOD SWITCH PRE-WIRE ONLY. (Steps f-i)



NOTE: Do not perform this step if the vehicle has Smart Entry or OE alarm.

- (f) Route the RES harness' RED wire to the driver side heater duct area. Then secure it to the vehicle harness with one wire tie and attach one small foam tape to bottom of the heater duct. (Fig. 5-5)
- (g) In the driver's area, route the RES harness' RED wire from the right side to the left side, then secure it to the vehicle harness with five wire ties. (Fig. 5-6)
- (h) Locate the gray 25P connector from the right side of the instrument panel J/B. (Fig. 5-7)
- (i) Locate the gray 25P connector's RED wire (top row, eighth space from the left). Attach the RES harness' RED wire with a splicing connector. Secure the V4 wire harness to the vehicle harness with two wire ties. (Fig. 5-7)
 - (1) Verify the correct opening is chosen and the terminal is inserted and seated properly.
 - (2) The terminal should not come out when pulled lightly from the back.





6. RES ECU and BUS ECU Preparation and Installation.

- (a) Insert the ECU mounting bracket into the indicated bracket slots on the RES ECU. (Fig. 6-1)

(1) Insert the mounting bracket into the correct ECU's slot.



CAUTION: The bracket is permanently attached once installed.



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

- (b) Apply one piece of small foam tape to the edge of the RES ECU as shown. (Fig. 6-2)

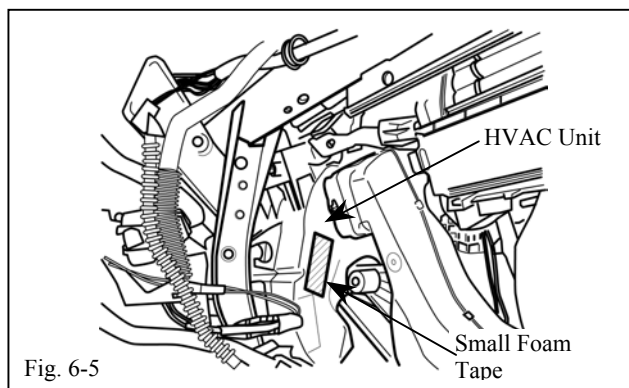
- (c) Apply one piece of small foam tape to the other side of the RES ECU and the bracket, as shown. (Fig. 6-3)

- (d) Insert the BUS ECU into the indicated slot on the mounting bracket. (Fig. 6-3)

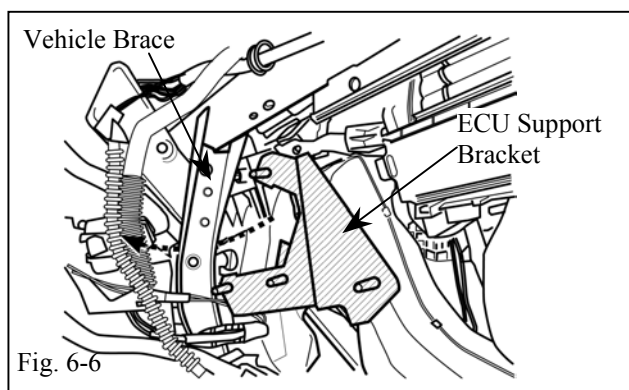
- (e) Remove backing sheet of one butyl tape, then apply to the mounting bracket. (Fig. 6-4)



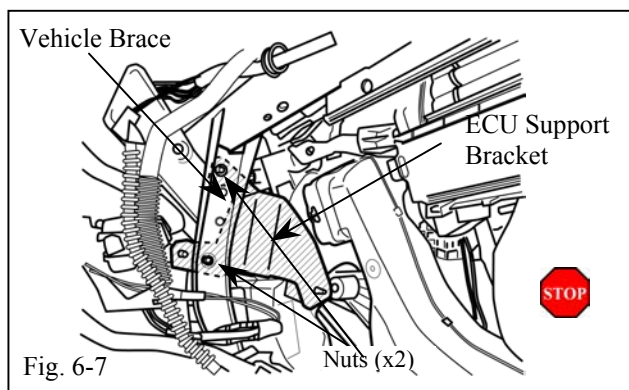
(1) Do not touch the adhesive surface.



- (f) Apply one piece of small foam tape to the HVAC Center Duct. (Fig. 6-5)

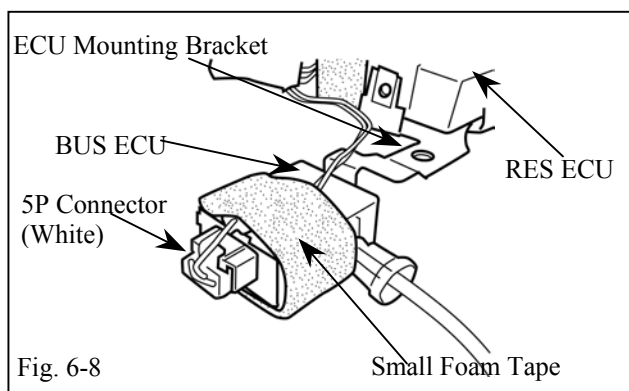


- (g) Insert the ECU support bracket up behind the vehicle brace as shown. (Fig. 6-6)



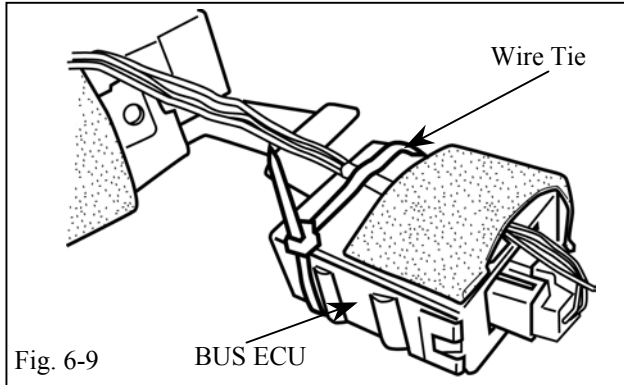
- (h) Secure the ECU support bracket to the vehicle brace with the two supplied nuts as shown. (Fig. 6-7)

- (1) Verify the two nuts are tightened and secured.

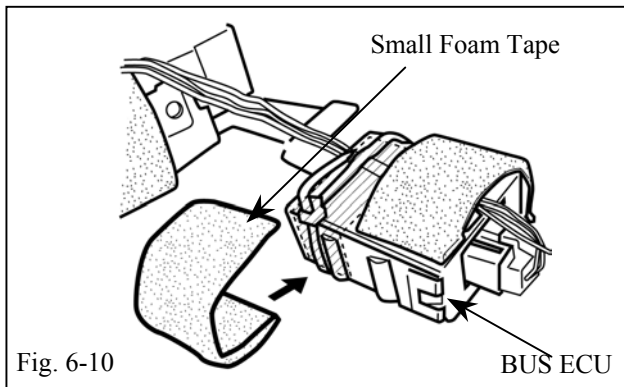


- (i) Plug the RES harness' WHITE 5P connector into the BUS ECU. Secure the harness as shown with one small piece of foam tape. (Fig. 6-8)

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

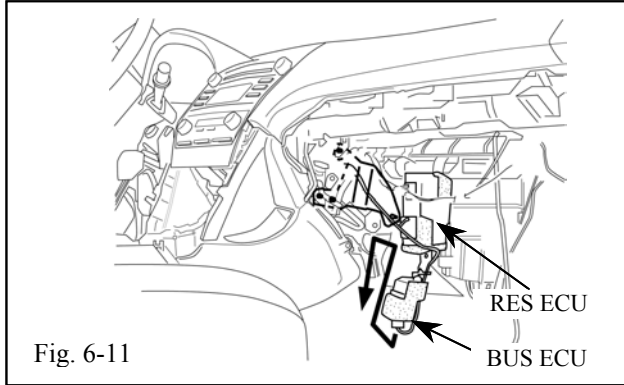


- (j) Secure one wire tie next to the foam tape on the BUS ECU. (Fig. 6-9)



- (k) Attach one piece of small foam tape over the wire tie, so that the BUS ECU is fully covered with foam tape. (Fig. 6-10)

- (l) Plug in the RES harness' white 20P and 8P connectors into the RES ECU and the BUS ECU. (Fig. 6-11)

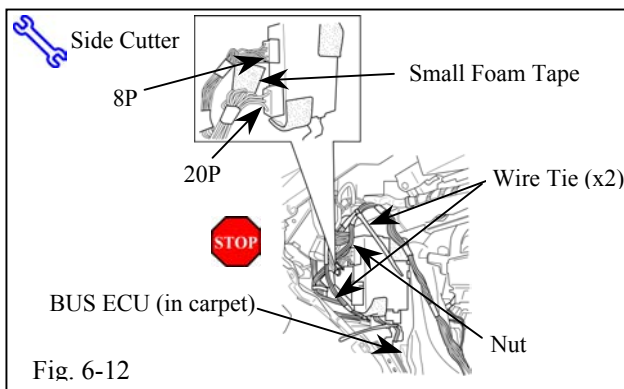


- (m) Locate the hole in the brace in the upper section of the glove box area. Slide the ECU assembly in front of the vehicle brace. The bottom portion of the ECU, which consists of the BUS ECU, goes behind the carpet. (Fig. 6-11)

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

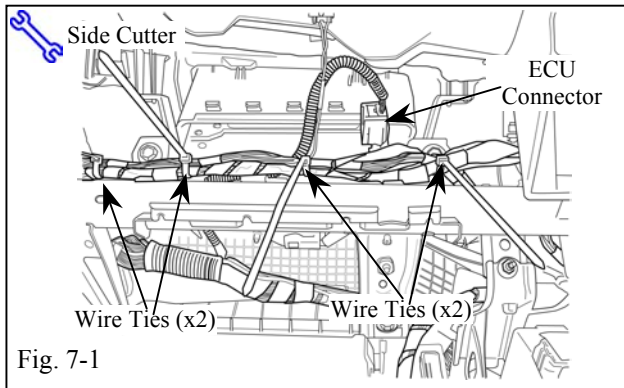
- (n) Locate the hole in the brace in the upper section of the glove box area. Slide the support bracket behind the vehicle brace and secure with two flanged nuts. (Fig. 6-12)

- (o) Wrap one piece of small foam tape over the flange nut. (Fig. 6-12)



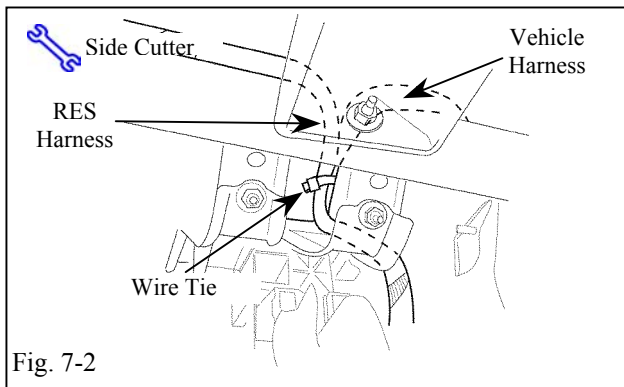
- (1) Verify the flange nuts are tightened and secured.

- (p) Secure the 20P and 8P connectors to the RES harness with two wire ties. (Fig. 6-12)

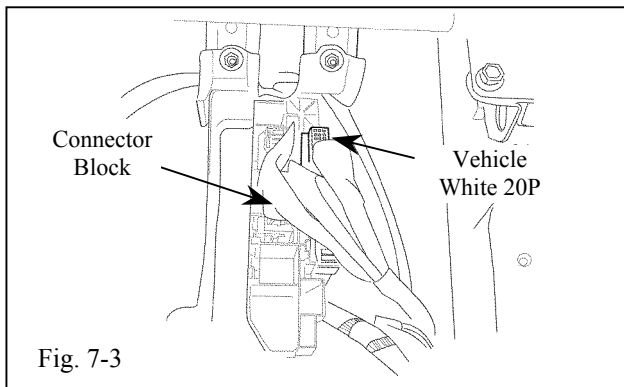


7. RES Harness Installation (continued)

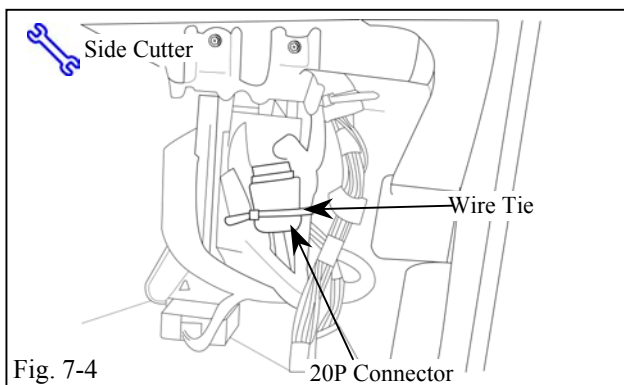
- (a) Route the RES harness across the glove box and secure to the vehicle harness with four wire ties. (Fig. 7-1)



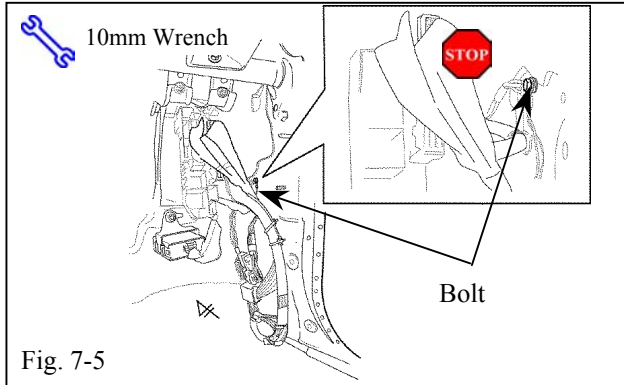
- (b) Continue routing the RES harness down toward the cowl, securing it to the vehicle wire harness with one wire tie as shown. (Fig. 7-2)



- (c) Locate the connector block below the reinforcement in the upper glove box area. Disconnect the white 20P connector on the top far right corner of the box. (Fig. 7-3)



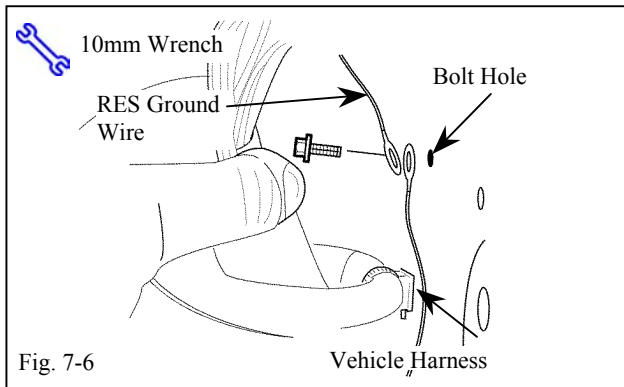
- (d) Plug the RES harness' white 20P connectors between the vehicle harness' 20P connector and the connector block, then secure the 20P connectors to the RES harness with one wire tie. (Fig. 7-4)



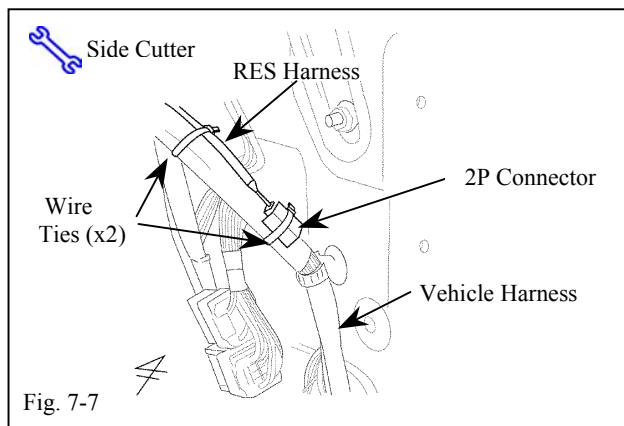
(e) Locate and remove the bolt from the passenger cowl area. (Fig. 7-5)



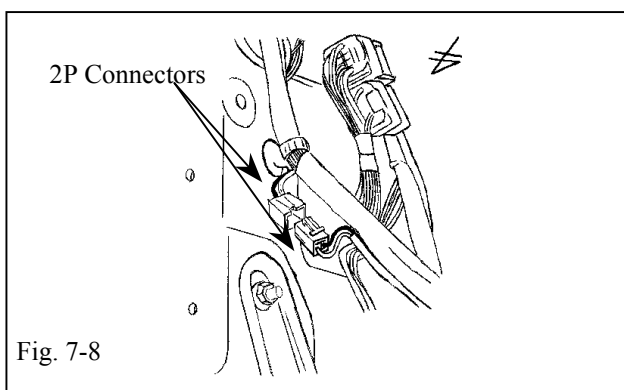
(1) Do not discard the bolt.



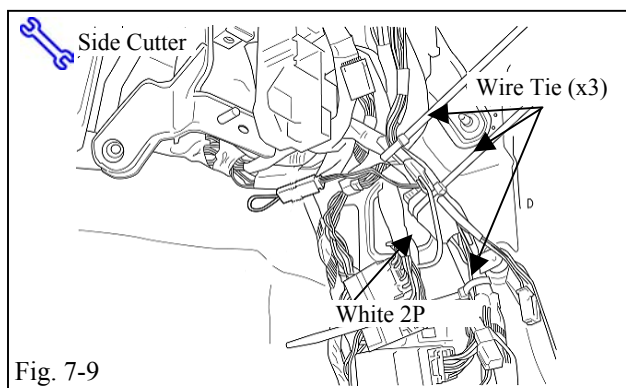
(f) Place the RES harness' ground on top of the vehicle's ground, and then insert the bolt back into the hole. (Fig. 7-6)



(g) Plug in the RES harness' white 2P connector to the vehicle harness' white 2P connector. (Fig. 7-7)

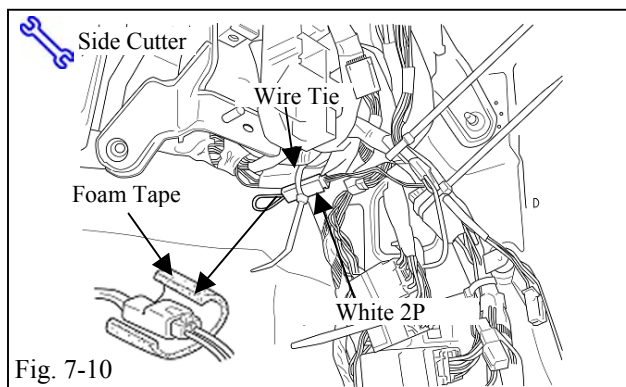


(h) Locate and remove the tape securing the vehicle harness' white 2P connector underneath the ground bolt. (Fig. 7-8)



- (i) Secure the RES harness' 2P connector (which is connected to the pre-connector) to the vehicle harness with one wire tie. (Fig. 7-9)
- (j) Secure the RES harness to the vehicle harness with two wire ties. (Fig. 7-9)

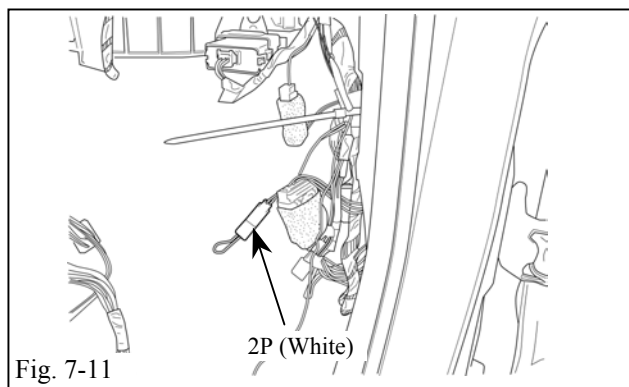
FOR VEHICLES WITH A FACTORY ALARM SYSTEM (Step k)



NOTE: Perform this step only if the vehicle has a factory alarm system.

- (k) Wrap the RES harness' 2P connector (which is connected to the short pin connector with the green/red wire) with one small foam tape, and secure the 2P connector to the vehicle harness with one wire tie. (Fig. 7-10)

Go to step w.

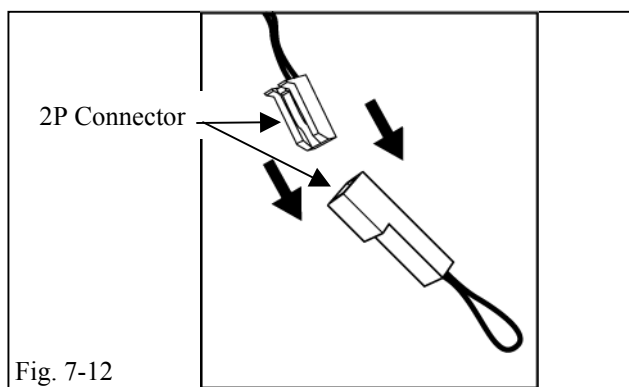


FOR VEHICLES WITH A HOOD SWITCH PRE-WIRE ONLY. (Steps l-n)

NOTE: Do not perform this step if the vehicle has a factory alarm system.

NOTE: Only perform these steps on the existing vehicle's hood switch pre-wire.

- (l) Locate the white 2P connector on the V4 wire harness in the passenger cowl side area. (Fig. 7-11)



- (m) Disconnect the RES harness' white 2P connector (Fig. 7-12)

- (1) Discard the white male 2P connector.

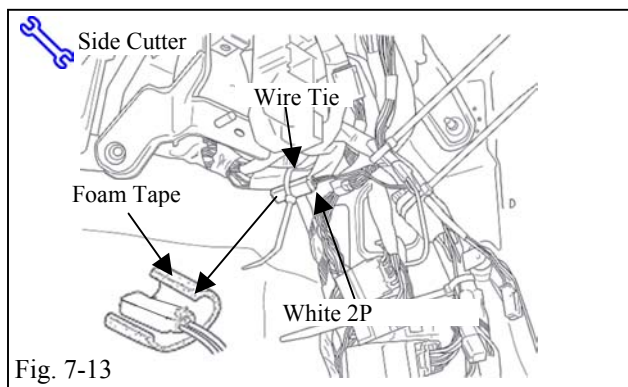


Fig. 7-13

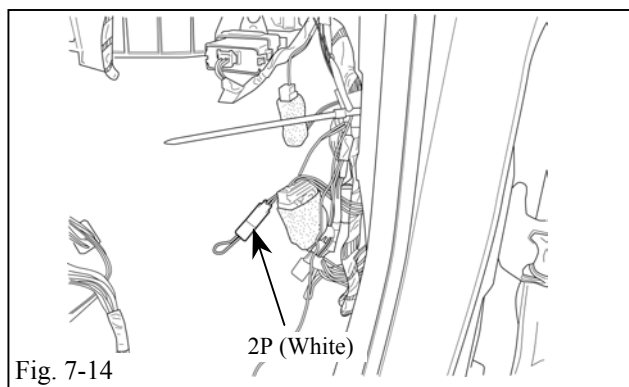


Fig. 7-14

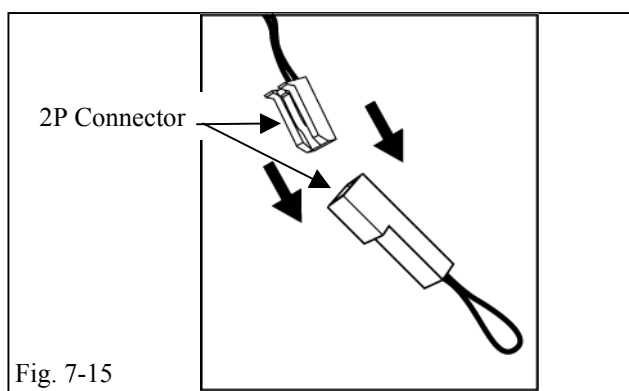


Fig. 7-15

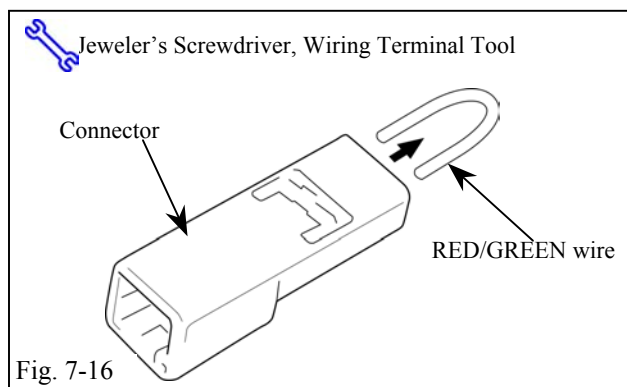


Fig. 7-16

FOR VEHICLES WITH A HOOD SWITCH PRE-WIRE ONLY. (Step l-n)

NOTE: Do not perform this step if the vehicle has a factory alarm system.

NOTE: Only perform these steps on the existing vehicle's hood switch pre-wire.

- (n) Wrap the RES harness' 2P connector (female) with one small foam tape, and secure the 2P connector to the vehicle harness with one wire tie.(Fig. 7-13)

Go to step w.

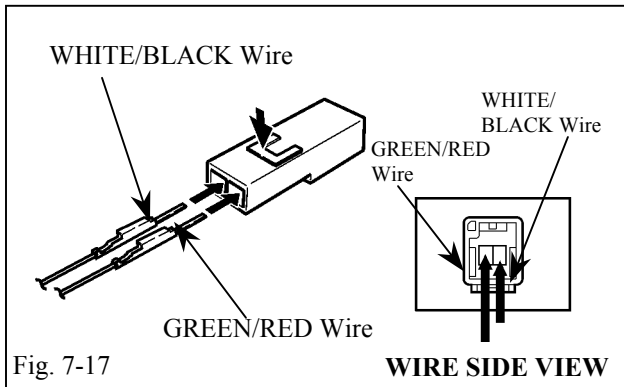
FOR VEHICLES WITHOUT A FACTORY ALARM AND WITHOUT A HOOD SWITCH PRE-WIRE ONLY. (Steps o-v).

STOP **NOTE:** Do not perform this step if the vehicle has a factory alarm system.

NOTE: Perform these steps only when the vehicle doesn't have a hood switch pre-wire. (Both the hood switch and hood switch wire harness are already installed in Section A.)

- (o) Locate the white 2P connector on the V4 wire harness in the passenger cowl side area. (Fig. 7-14)
- (p) Disconnect the RES harness' white 2P connector.(Fig. 7-15)
- (q) Using a small jeweler's screwdriver, lift the terminal retainer on the back of the short cut connector. (Fig. 7-16)
 - (1) Do not pull out the retainer.
- (r) Using a pick (or wiring terminal tool [PPO]), release and pull out the RED/GREEN wire. (Fig. 7-16)
 - (1) Discard the GREEN/RED wire.
 - (2) Do not discard the empty 2P connector.

FOR VEHICLES WITHOUT A HOOD SWITCH PRE-WIRE ONLY. (Steps o-v).



NOTE: Do not perform this step if the vehicle has a factory alarm system.



NOTE: Do not perform these steps if the vehicle has a hood switch pre-wire.

(s) Insert the terminal at the end of the hood switch harness' WHITE/BLACK wire (which is installed in Fig. 3-17 on page 13) into the empty 2P connector's left side opening. (Fig. 7-17)

(t) Insert the terminal at the end of the hood switch harness' GREEN/RED (which is installed in Fig. 3-17 on page 13) wire into empty 2P connector's right side opening. (Fig. 7-17)

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



(2) Verify the correct wire is chosen.



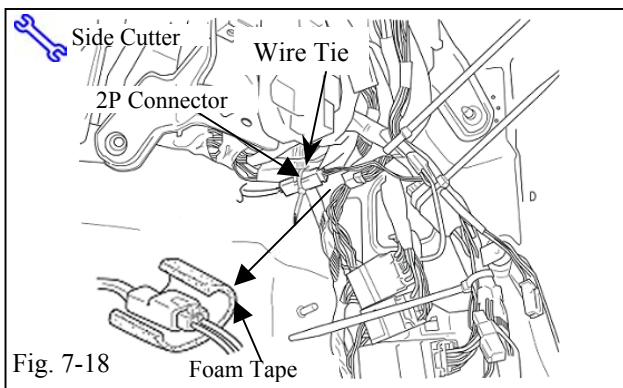
(3) Verify the terminal is inserted and seated properly.



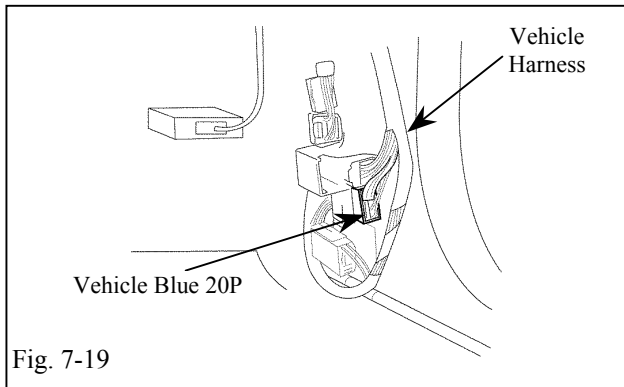
(4) The terminal should not come out when pulled lightly from the back. If the terminal comes off, then push it in further until securely seated.

(u) Close the retainer. (Fig. 7-17)

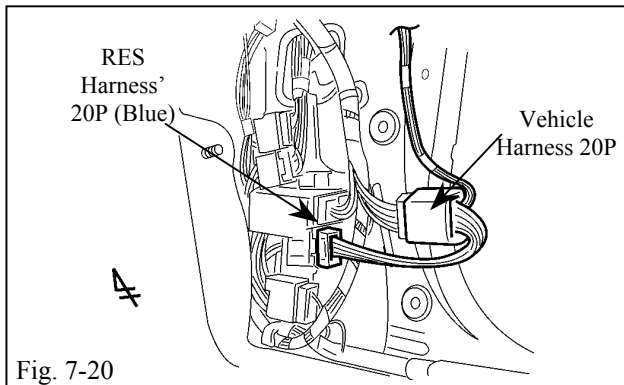
(v) Connect the male 2P connector to the female 2P connector, and then wrap the 2P connector with one small foam tape and secure the 2P connector to the vehicle harness with one wire tie. (Fig. 7-18)



- (w) Disconnect the vehicle harness' blue 20P connector. (Fig. 7-19)

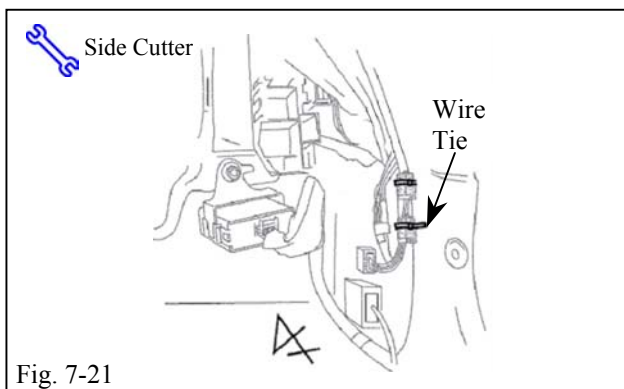


- (x) Plug in the RES harness' BLUE 20P connectors between the vehicle harness' BLUE 20P connector and the connector block. (Fig. 7-20)



NOTE: If the vehicle is equipped with RES and V2/V5, the blue 20P connectors will need to be piggy-backed together.

- (y) Secure the 20P connector with one wire tie as shown. (Fig. 7-21)

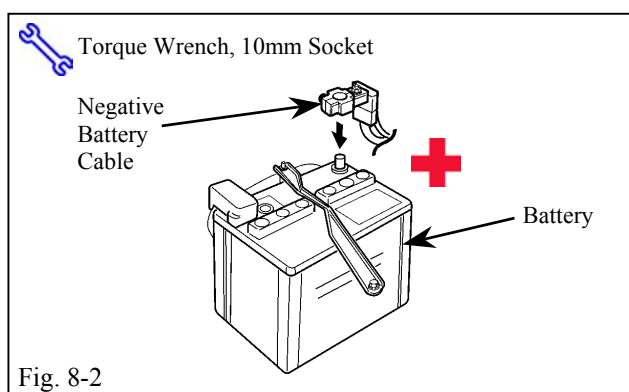
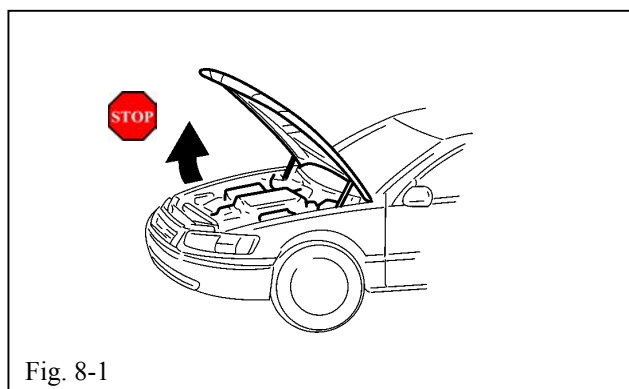


8. RES Registration

(a) Move the shifter to the “P” position.

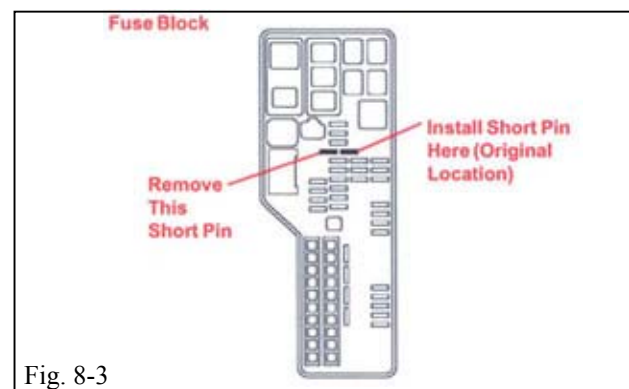
(b) Open the hood. (Fig. 8-1)

STOP Do not close the hood during the registration setting procedure.

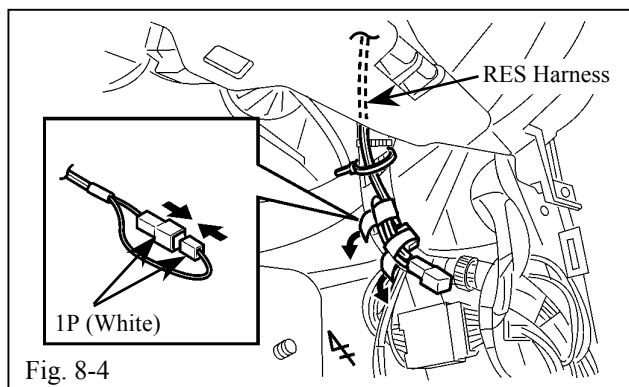


(c) Temporarily reconnect the vehicle's negative battery cable. (Fig. 8-2)

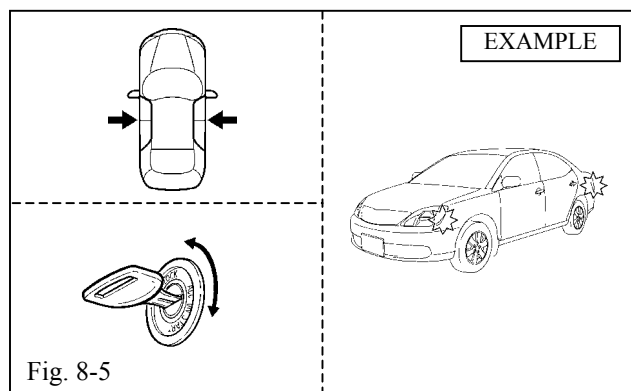
+ (1) Do not touch the positive terminal with any tool when replacing the cable



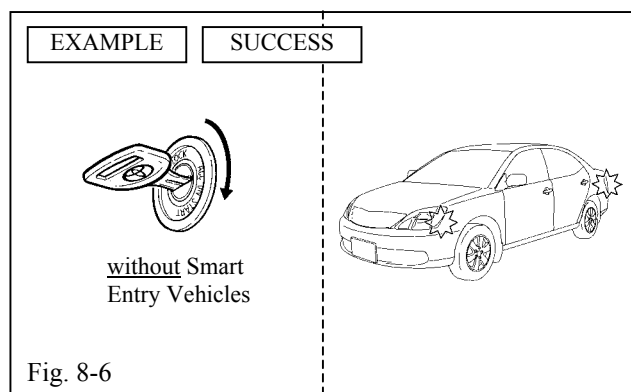
(d) Move the short pin to the original location. (Fig. 8-3)



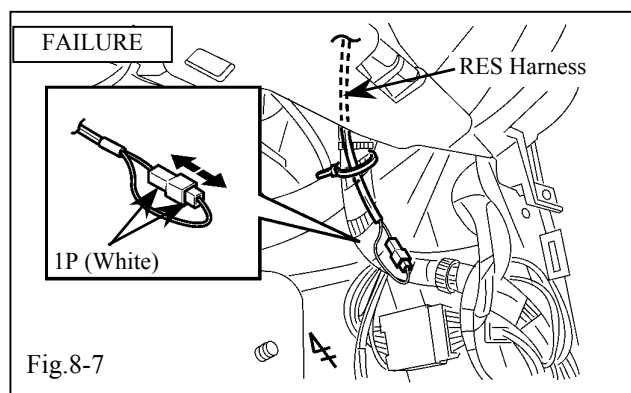
(e) Locate and disconnect the tape securing the RES harness' white 1P connectors from the passenger side cowl area and connect the 1P RES female diagnostic connector to the 1P RES male diagnostic connectors. (Fig. 8-4)



- (f) Close all doors. Insert the key into the ignition switch and turn it from LOCK to ON 5 times (ending at ON). (Fig. 8-5)
The hazard lights flash once. (Fig. 8-5)
Turn the key to the "OFF" position.



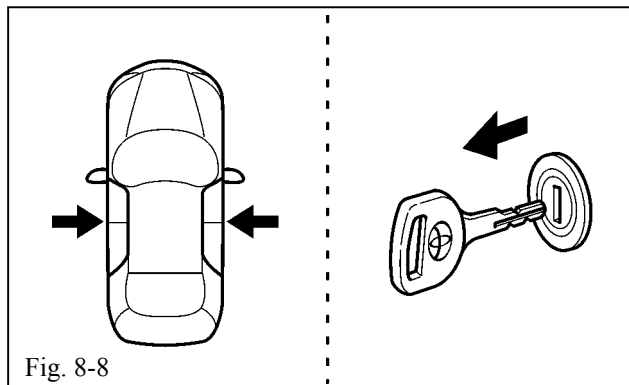
- (g) Start the engine; after 10 seconds stop the engine. The hazard lights flash once.
Registration completed. (Fig. 8-6)



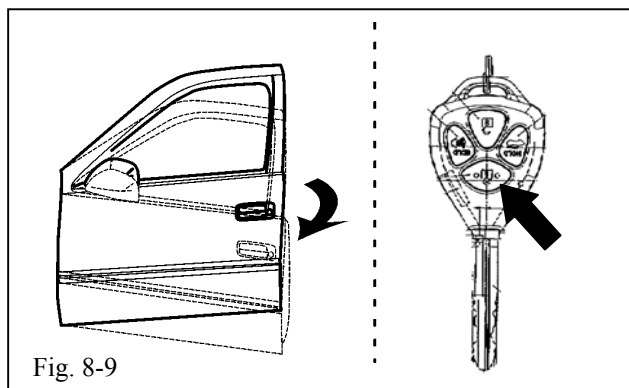
- (h) If you failed in this procedure, the hazard lights flash twice. Registration will not set. If it did not set, disconnect and reconnect the RES harness white 1P connector from the passenger side cowl area. (Fig. 8-7)

- (1) Disconnect the negative battery terminal, then start again from Step b.

NOTE: The diagnostic connectors must be unplugged, then plugged in for each new programming attempt.



- (i) Close all doors. Insert the master (black) key into the ignition switch and turn it to the "ON" position. Then turn it to the "OFF" position and remove the key from the ignition switch. (Fig. 8-8)



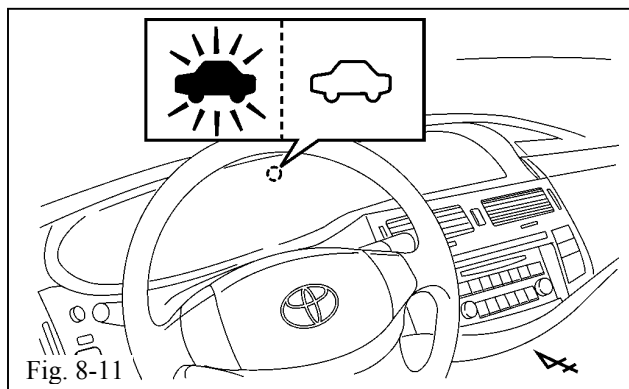
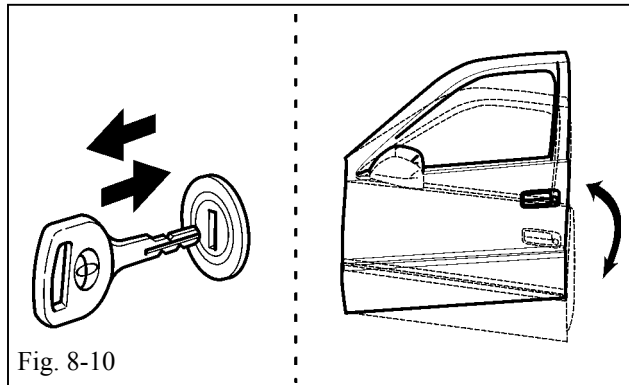
- (j) Open the driver's door. Using the remote control, press the lock button twice within 2 seconds, then press and hold the lock button for four (4) seconds. (Fig. 8-9)
- (k) Insert the key into the ignition switch, and remove it six (6) times. Then insert and leave the key in the ignition switch. (Fig. 8-10)

(1) Complete this step within 20 seconds of opening the driver's door.

- (l) Close the driver's door, then open and close the driver's door seven (7) times. (Fig. 8-10)

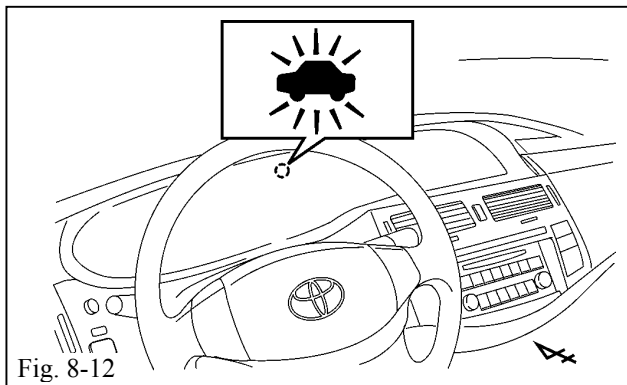
(1) Complete these steps within 35 seconds, with the driver's door closed when finished.

(2) If you fail this procedure or exceed 35 seconds during programming, the IMMOBILIZER SYSTEM will not set. Start again from Step b.



- (m) After the REGISTRATION process has been completed successfully

(1) Watch the LED light up for 1 second then turn off. (Fig. 8-11)



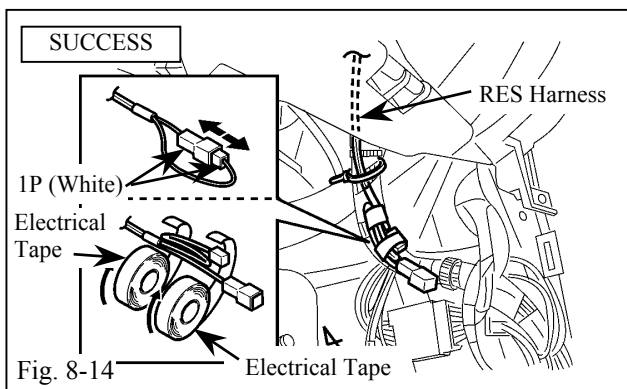
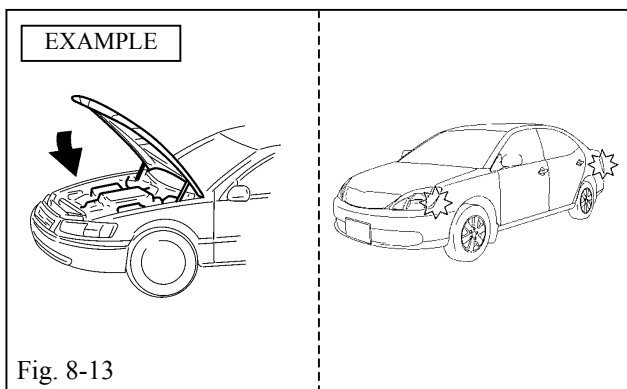
- (2) After the light is off for 1 second, the LED should light up again and stay on until the key is removed from ignition. (Fig. 8-12)

NOTE: If the LED does not light up as indicated, the IMMOBILIZER SYSTEM is not setting. Start again from Step a.

- (n) Close the hood. (Fig. 8-13)

- (o) The hazard lights flash twice. Registration completed (Fig. 8-13)

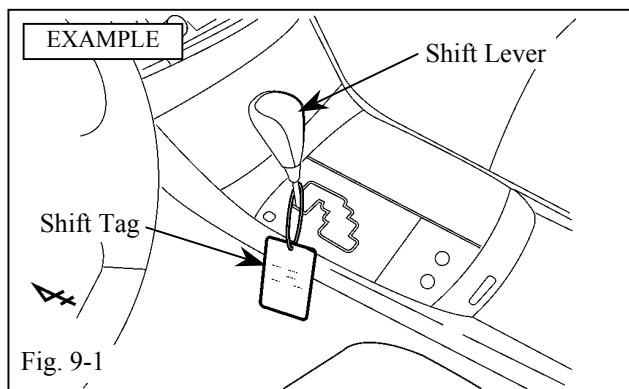
- (1) If you fail this procedure, the hazard lights flash 3 times. Registration will not set. Start again from Step a.



- (p) Disconnect the RES harness' white 1P connectors. Secure the RES harness and 1P connectors with electrical tape as shown. (Fig. 8-14)

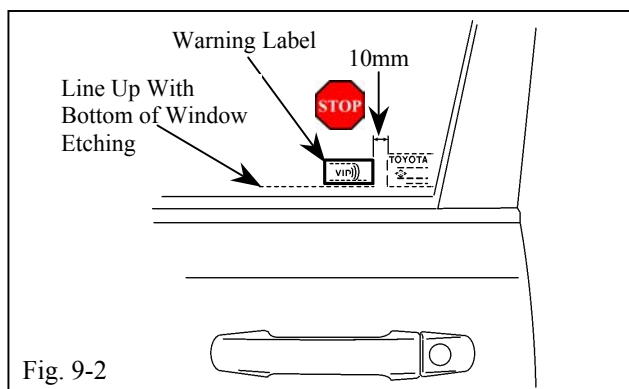
Turn the key to the "OFF" position and remove the key from the ignition switch.

Go to Section 9.



9. Tags and Labels Installation.

- (a) Hang the shift tag on the shift lever. (Fig. 9-1)



- (b) Using household Windex, clean the inside surface of the front door's windows.

(Fig. 9-2)

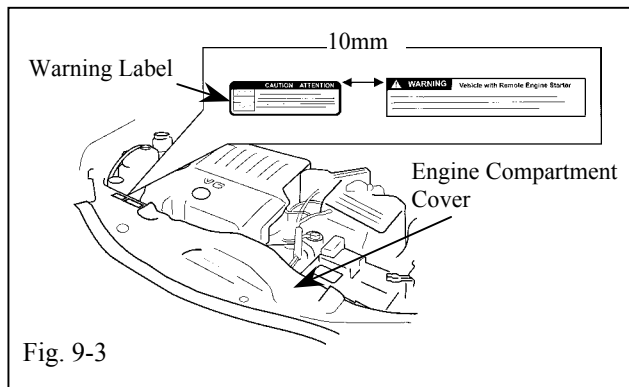
- (1) When cleaning with household Windex, follow the manufacturer's directions.

- (c) Place the window labels on the inside surface of the front door's windows as shown.

(Fig. 9-2)

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

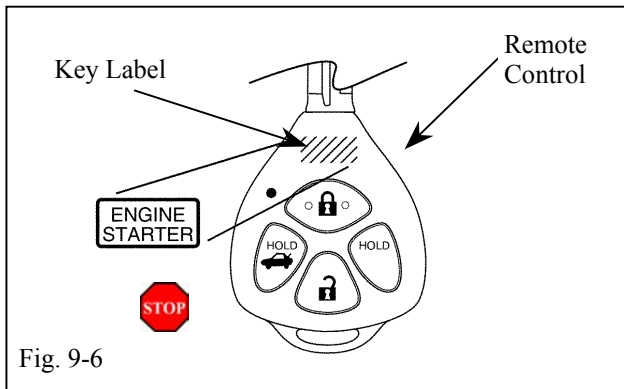
- (2) Do not touch the labels' adhesive surface.



- (d) Using 3M™ Prepsolvent-70, clean the area indicated on the engine compartment cover as shown. (Fig. 9-3)

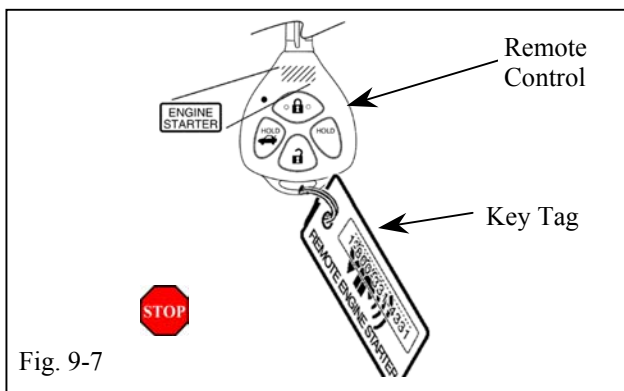
- (1) Do not allow cleaner to air dry.

- (e) Remove the backing sheet and attach the warning label to the engine compartment cover on the left hand side as shown. Do not touch the label's adhesive surface. (Fig. 9-3)



- (f) Remove one of the remote controls from its protective bag. With the utility knife, neatly cut a slit to open the bag. (Fig. 9-6)
- (g) Using 3M™ Prepsolvent-70, clean the area indicated on the remote control key. (Fig. 9-6)

(1) When cleaning with 3M™ Prepsolvent-70 approved cleaner, follow the manufacturer's directions. Do not allow cleaner to air dry.

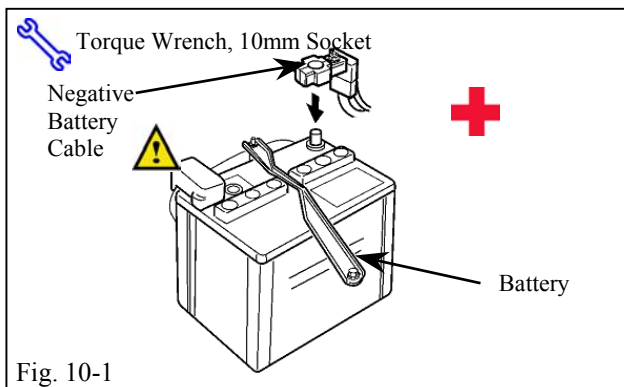


- (h) Remove the backing sheet and attach the key label to the remote control as shown. (Fig. 9-6)

(1) Use a piece of clean adhesive tape to lift the label off its protective backing sheet.

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

- (i) Attach a key tag to each master key ring. (Fig. 9-7)



10. Completing the Installation.

- (a) Complete the reassembly of the vehicle.
 - (1) Reconnect any disconnected connectors.
 - (2) Verify the panels fit together properly with no uneven gaps between them.
- (b) Position the negative battery cable at the original factory position. (Fig. 10-1)

 (c) Tighten the nut to 36 in-lbf $\pm$ 1.5.

 (d) Do not touch the positive terminal with any tool when replacing the cable.

- (e) Clean up and remove any trash.
- (f) Place the owner's manual, left in its protective bag, in the glove box.
- (g) Reset the power windows.

- (1) Turn ignition key to the “ON” position.
- (2) Push down the power window switches of each door, and lower the windows halfway.
- (3) Pull up the switches until the windows close and hold switches up for a minimum of one (1) second.
- (h) Reset the power moon roof.
- (i) Push and hold the moon roof switch to close side until the moon roof closes.

TOYOTA CAMRY (Non-Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:	Look For:
<u>Accessory Function Checks</u>	<u>Function</u>
Fit the appropriate fuse before beginning.	
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.	
☐ Press the remote control’s lock button twice within 2 seconds, then press and hold the lock button 3 seconds.	1. The hazard lights flash after 3 seconds. The engine starts. The hazard lights flash repeatedly for 20 seconds.
☐ Press the remote control’s unlock button.	2. The engine stops. The hazard lights flash twice.
☐ 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.	3. Refer to Step 1. The engine stops. The hazard lights flash once.
☐ 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.	4. Refer to Step 1. The engine stops. The hazard lights flash once.

TOYOTA CAMRY (Non-Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:

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, manually unlock any door with the inside lock switch.

- ☐ 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.

Look For:

- 5. Refer to Step 1.
The engine stops.
The hazard lights flash once.
The security alarm triggers if security is equipped.
- 6. Refer to Step 1.
The engine stops.
The hazard lights flash once.
The security alarm triggers if security is equipped.
- 7. Refer to Step 1.
The engine stops.
The hazard lights flash once.

TOYOTA CAMRY (Non-Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

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, insert the key into the ignition switch.
- ☐ Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine. Step on the gas pedal until engine speed exceeds 3000 RPM.
- ☐ Move the shift lever from "P" (parking) to another position. Press the remote control's lock button twice within 2 seconds, then press and hold the lock button 3 seconds to start the engine.

Look For:

- 8. Refer to Step 1.
The engine stops.
The hazard lights flash once.
- 9. Refer to Step 1.
The engine stops.
The hazard lights flash once.
- 10. The engine does not start.

TOYOTA CAMRY (Non-Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:	Look For:
<u>Vehicle Function Checks</u>	
☐ Head Lights	Functioning Head Lights
☐ High Beams	Functioning High Beams
☐ Turn Signal Lights	Functioning Turn Signal Lights
☐ Tail Lights	Functioning Tail Lights
☐ Stop Lights	Functioning Stop Lights
☐ Backup Lights	Functioning Backup Lights
☐ Hazard Lights	Functioning Hazard Lights
☐ Marker Lights	Functioning Marker Lights
☐ Dome/Courtesy Lights	Functioning Dome/Courtesy Lights
☐ Panel/Switch Illumination	Functioning Controls/Illumination
☐ Accessory Controls/Illumination (if equipped)	Functioning Accessory
☐ Key Sensor Buzzer	Functioning Key Sensor
☐ Fog Lights (if equipped)	Functioning Fog Lights
☐ Daytime Running Lights (if equipped)	Functioning DR Lights
☐ Trunk/Tailgate/Bed Lights (if equipped)	Functioning Lights
☐ Glove Box Light (if equipped)	Functioning Glove Box Light
☐ Cruise Control Light (if equipped)	Functioning Cruise Control Light

TOYOTA CAMRY (Non-Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:

- ☐ 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)
- ☐ 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

Look For:

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

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

TOYOTA CAMRY (Non-Smart Key) 2007 - TVIP V4 (REMOTE ENGINE STARTER)

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

Check:

- ☐ 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 Column Check (if equipped)

Remove the appropriate fuse after checks are completed.

Look For:

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

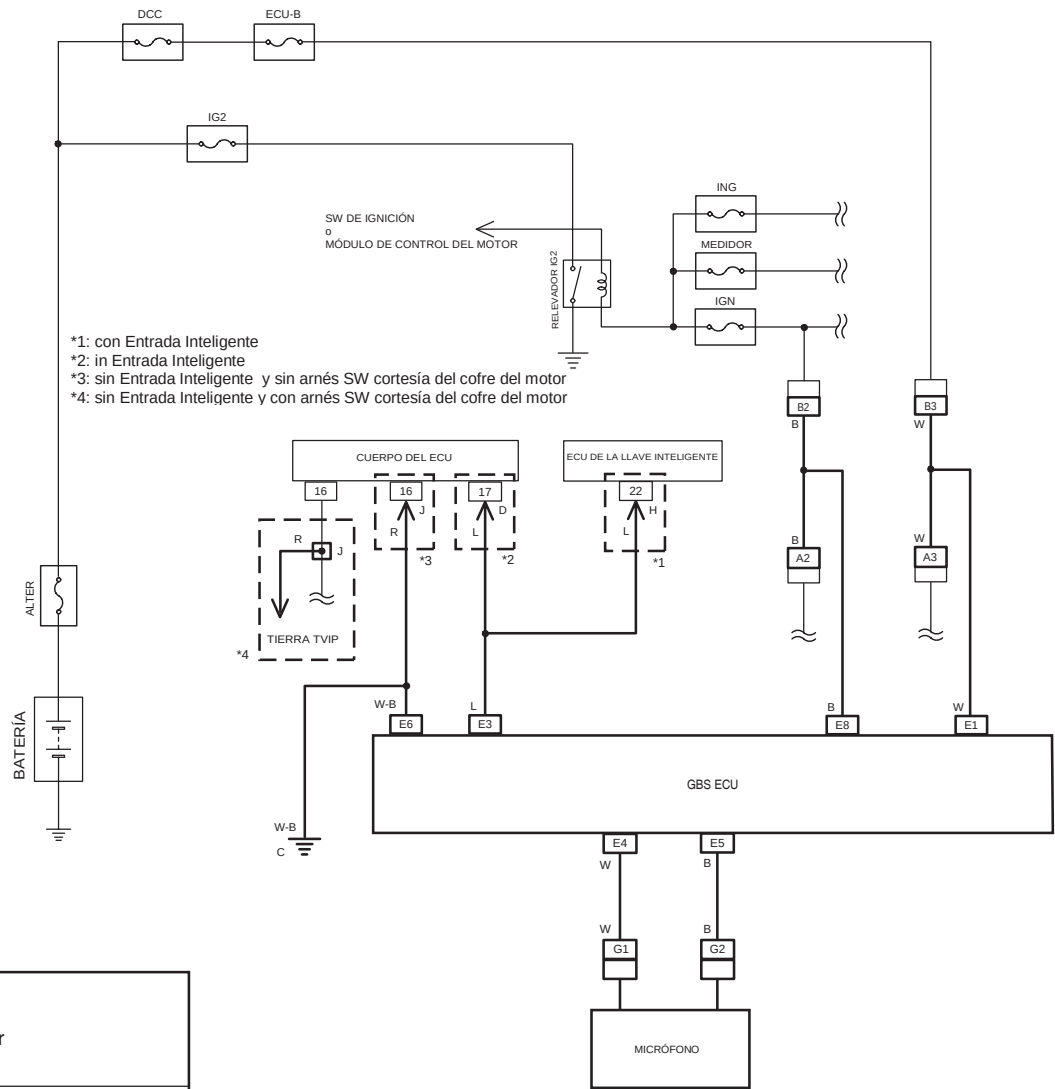
Functioning Front Windshield Defogger

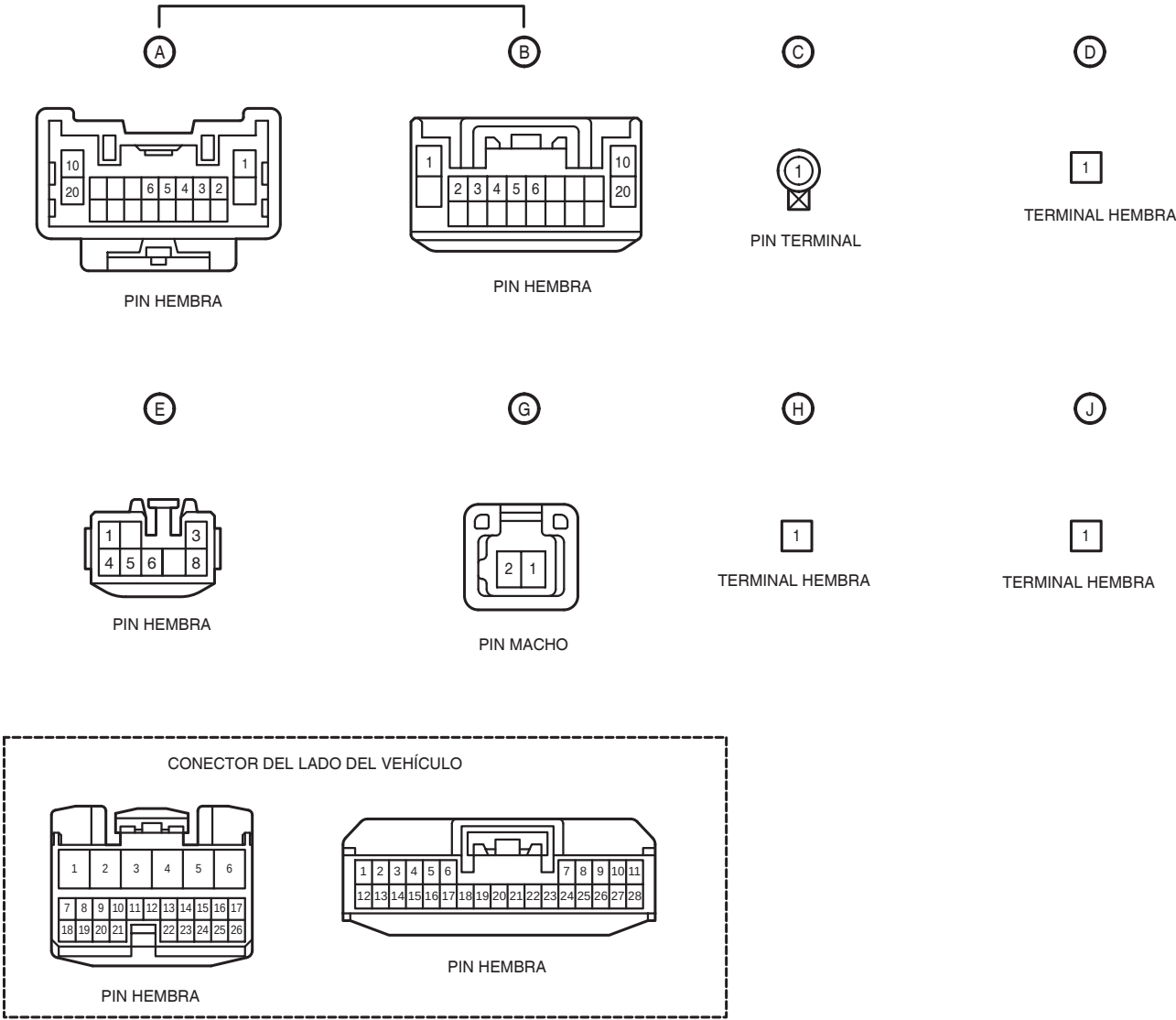
Functioning Navigation System

Functioning Rear Sunshade

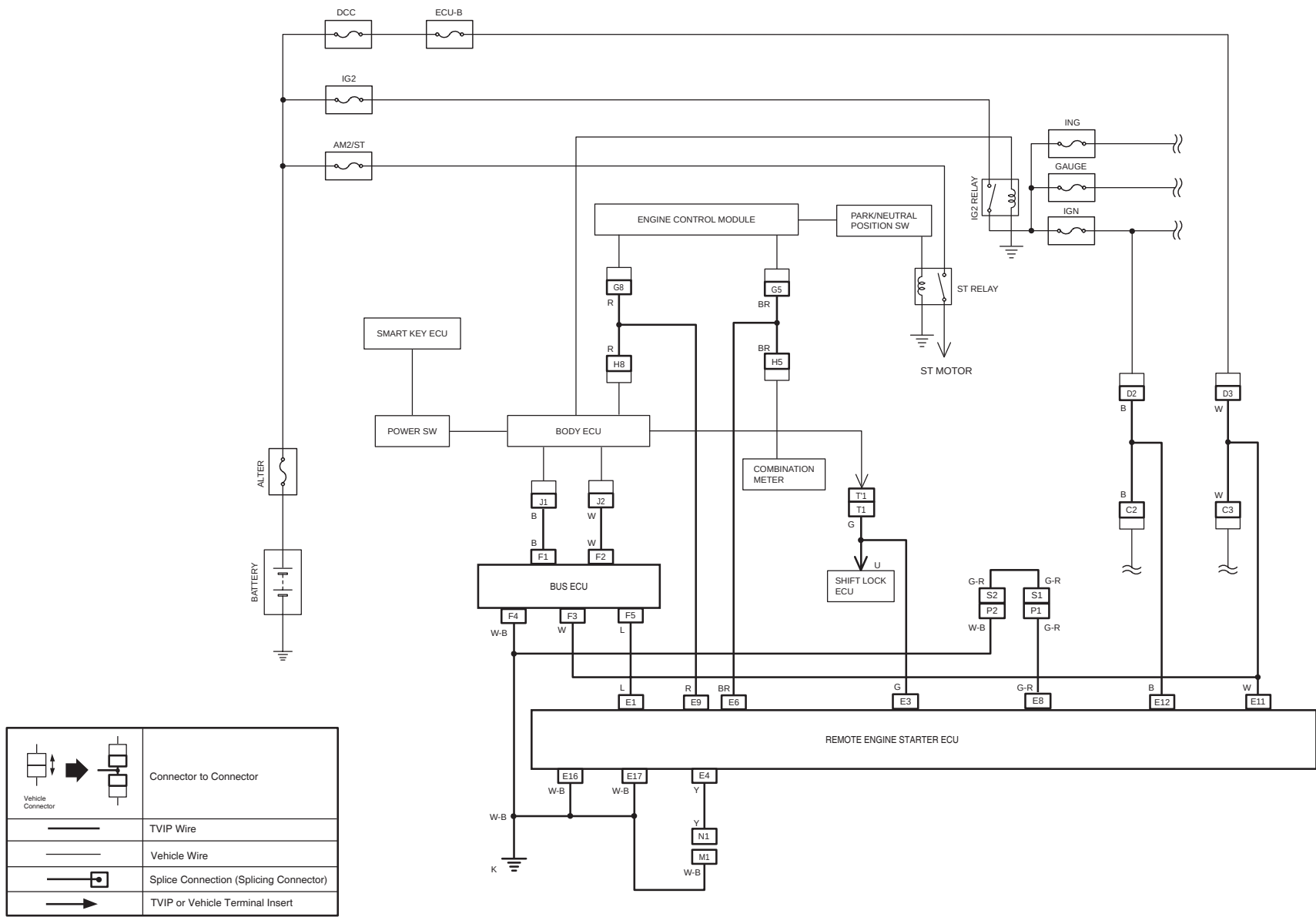
Functioning Steering Column Check

2007 CAMRY TVIP V5 RS3200 PLUS/SENSOR CONTRA ROTURA DE CRISTALES

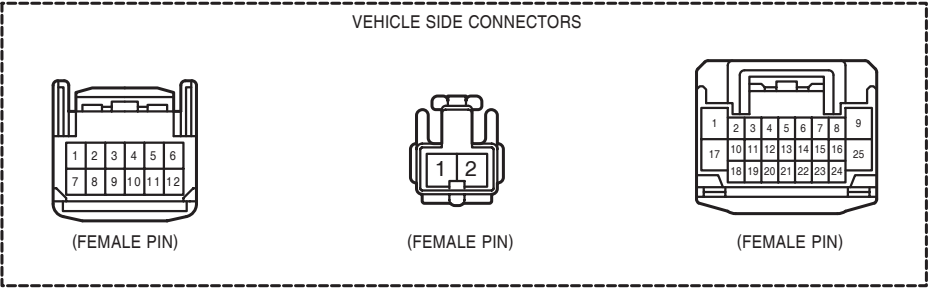
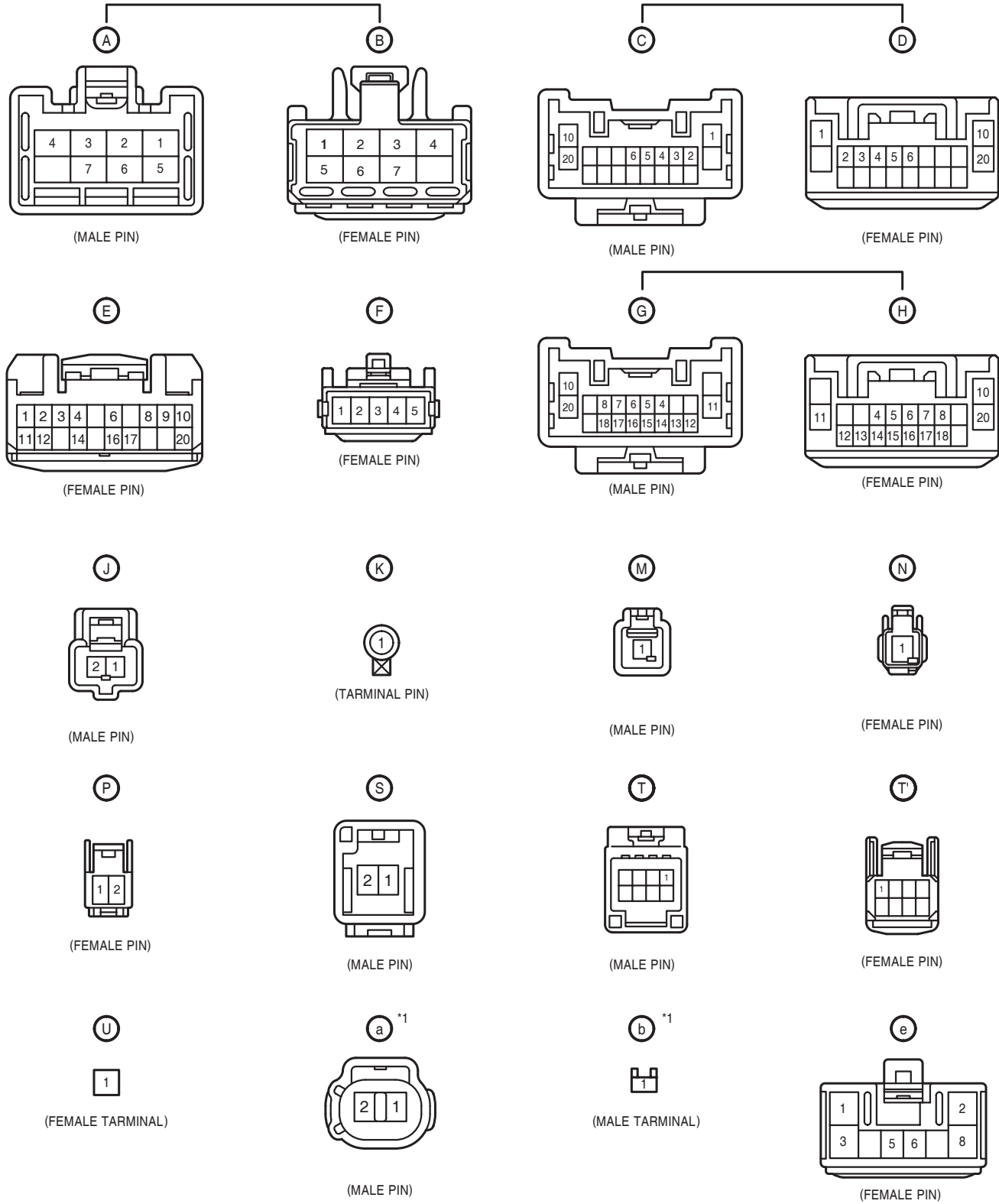




2007 CAMRY TVIP V4 REMOTE ENGINE STARTER (RES) (with SMART KEY SYSTEM) ELECTRICAL WIRING DIAGRAM (EWD)

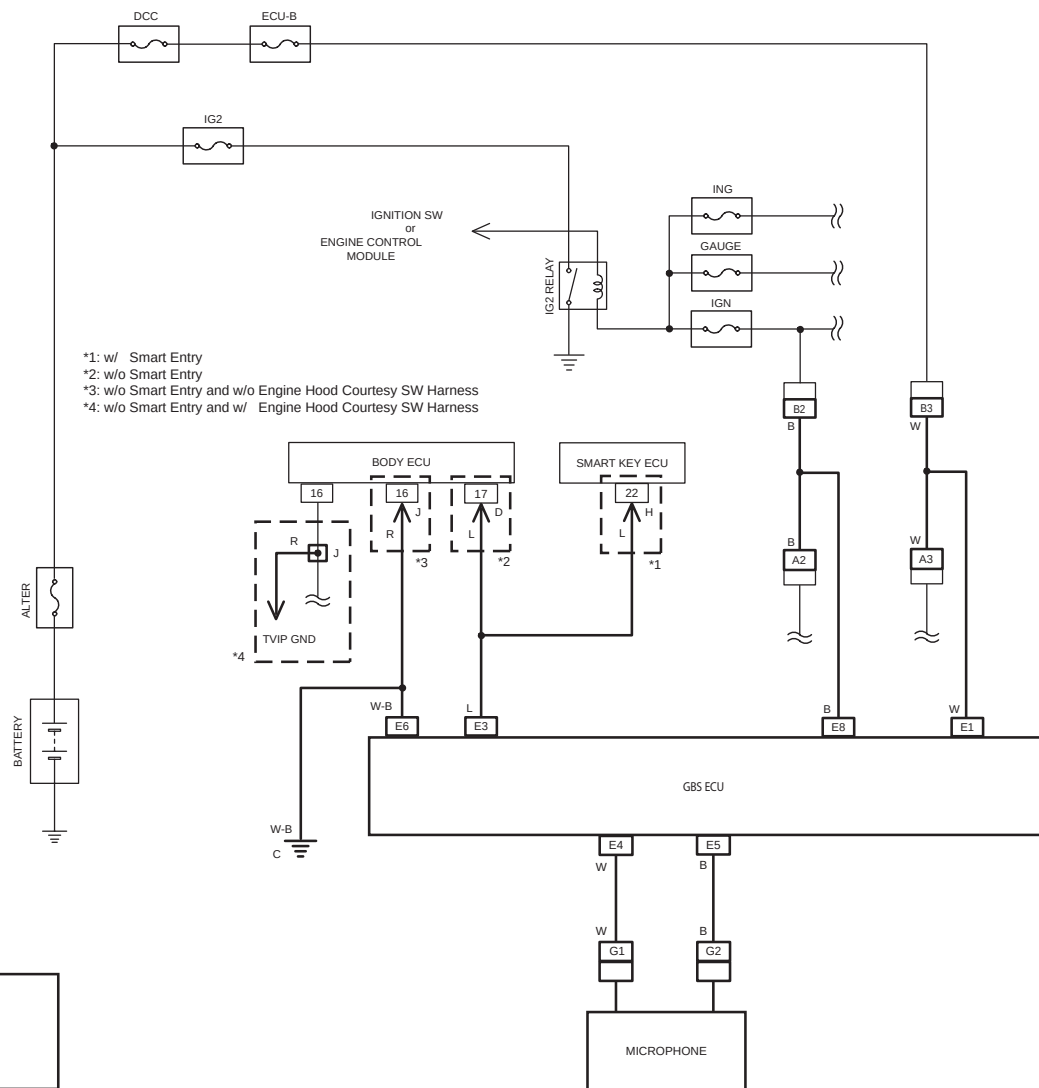


2007 CAMRY TVIP V4 REMOTE ENGINE STARTER (RES) (with SMART KEY SYSTEM)
CONNECTORS



*1 Not use vehicle with smart key system

2007 CAMRY TVIP V5 RS3200 PLUS ELECTRICAL WIRING DIAGRAM (EWD)



 Vehicle Connector	Connector to Connector
	TVIP Wire
	Vehicle Wire
	Splice Connection (Splicing Connector)
	TVIP or Vehicle Terminal Insert

2007 CAMRY TVIP V5 RS3200 PLUS CONNECTORS

