Part Number: PT398-35160

Kit Contents

Item #	Quantity	Description
1	1	V5 Wire Harness
2	1	GBS ECU Mounting Bracket

Hardware Bag Contents Additional

Item#	Quantity	Description
1	1	GBS ECU
2	1	Foam Tape
3	10	Wire Ties
4	1	M6 Nut
5	1	Jumper Connector
6	1	GBS Microphone
7	2	V5 Window Label English 00107-VIPWS
8	2	V5 Window Label Spanish PT398-48142-AA
9	2	V2 Window Label English (Discard)
10	2	V2 Window Label Spanish (Discard)
11	1	V2 Owner's Guide (Discard)
11	1	V5 Owner's Guide

Additional Items Required For Installation

Item#	Quantity	Description

Recommended Tools

Personal & Vehicle Protection	Description
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets
Special Tools	
Striker Tool	CAD-E IADS P/N ALL 02-016-01
Techstream	Use latest version on TIS
Installation Tools	
Screwdriver	#2 Phillips, Flat Blade Jeweler's
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST# 00002-06001-01
Side Cutters	
Torque Wrench	Battery: 48 in•lbf (5.4 N•m),
Tape	Clear
Socket	10mm, extension
Special Chemicals	
Cleaner	VDC Approved Cleaner

General Applicability

2016 MY Tacoma with Automatic Transmission.

Conflicts

Do not install into Vehicles without Hood Switch Connector, with Factory Alarm or Manual Transmission (Refer to Page 6).

Recommended Sequence of Application

Item#	Quantity	Description

*Mandatory

Vehicle Service Parts

Item#	Quantity	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.

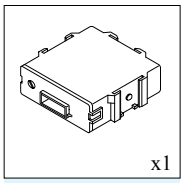
REVISION MARK : This mark highlights a change in installation with respect to previous issue.

SAFETY TORQUE: This mark indicates that torque is related to safety.

Kit Contents

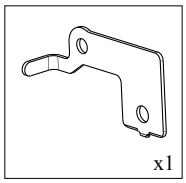
Service Part #'s

GBS ECU

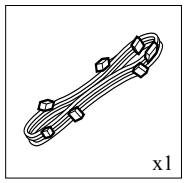


08190-0C820

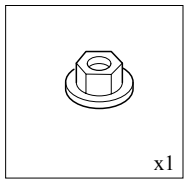
GBS ECU Bracket



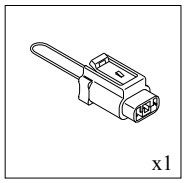
V5 Harness



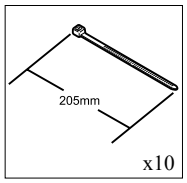
M6 Nut



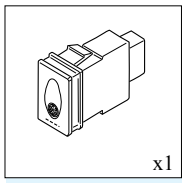
Jumper Connector



Wire Tie



GBS Microphone



PT398-35070

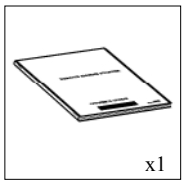
V2 Window Label

V2 Owner's Guide

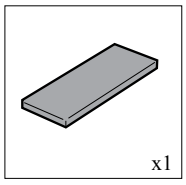
V5 Window Label

(E) 00107-VIPWS
(S) PT398-48142-AA

V5 Owner's Guide



Foam Tape



Accessory Installation Practice (read before installation)

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

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

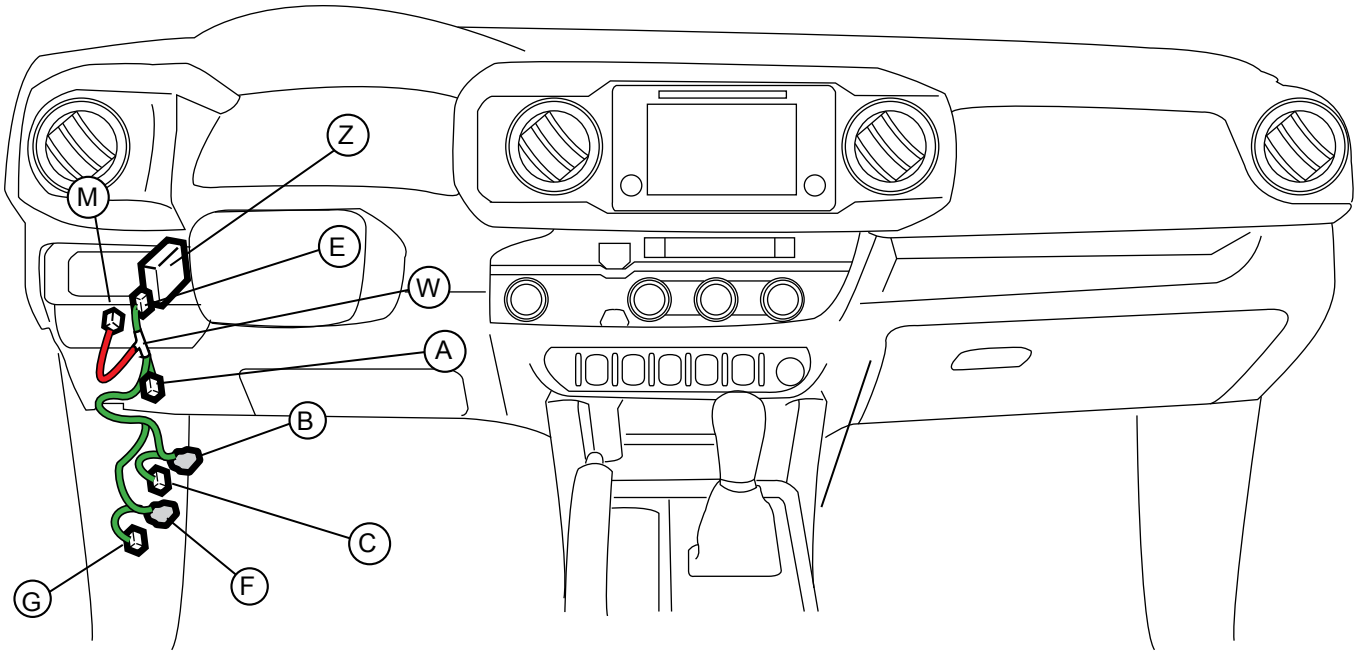
This document covers such items as:

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

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

TOYOTA TACOMA

Wire Harness Outline

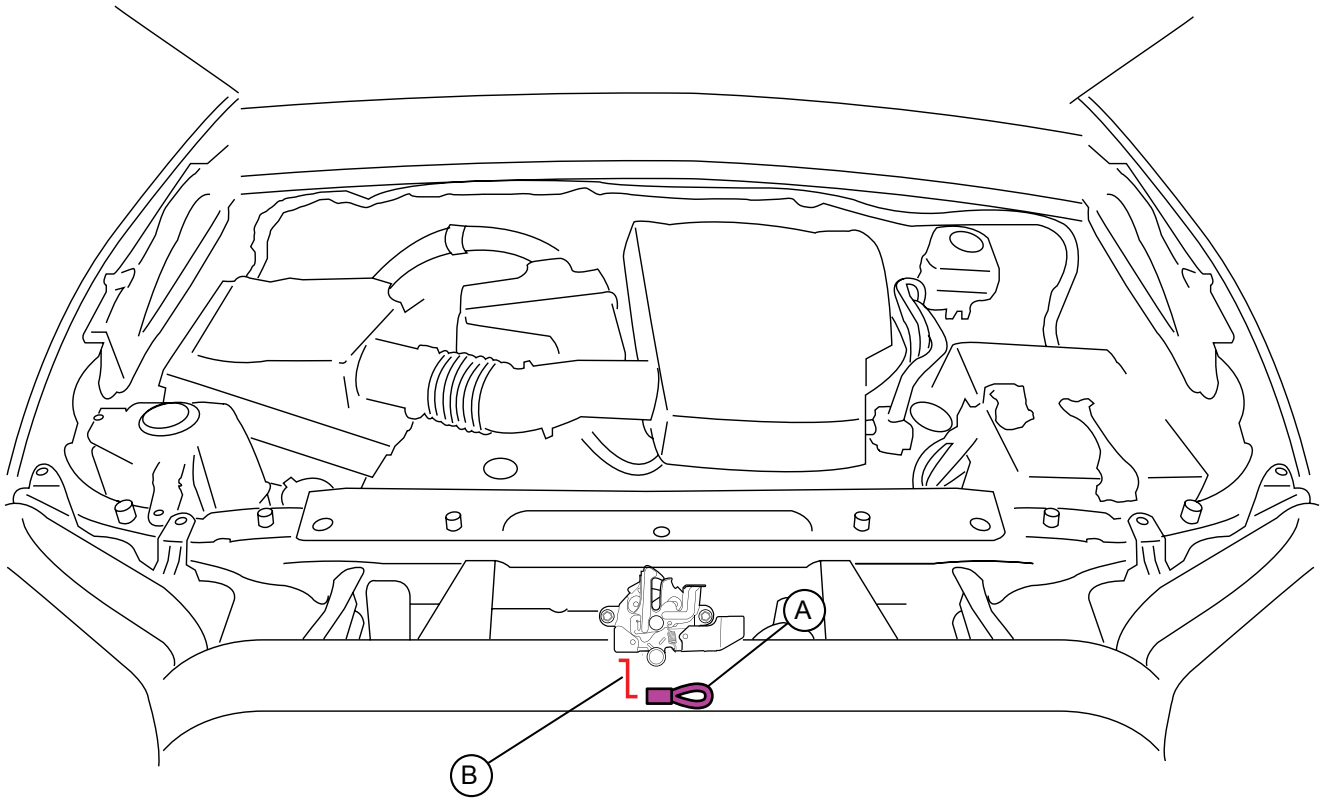


TVIP	Vehicle	Description
A		5P White
B		26P White
C		26P White
E	–	8P White *(for GBS ECU)*
F	–	10P Grey
G	–	10P Grey
M	–	4P White *(for GBS MIC)*
W	–	White Tape
Z	–	GBS ECU

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

TOYOTA TACOMA

Wire Harness Outline*



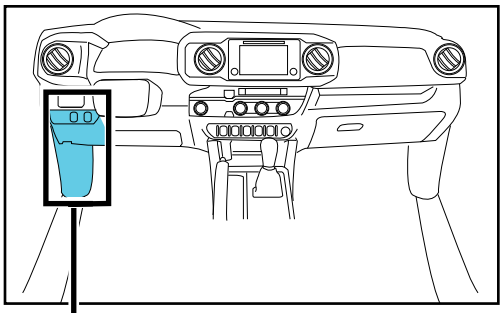
TVIP	Vehicle	Description
A		Jumper Connector
B		Vehicle's Connector

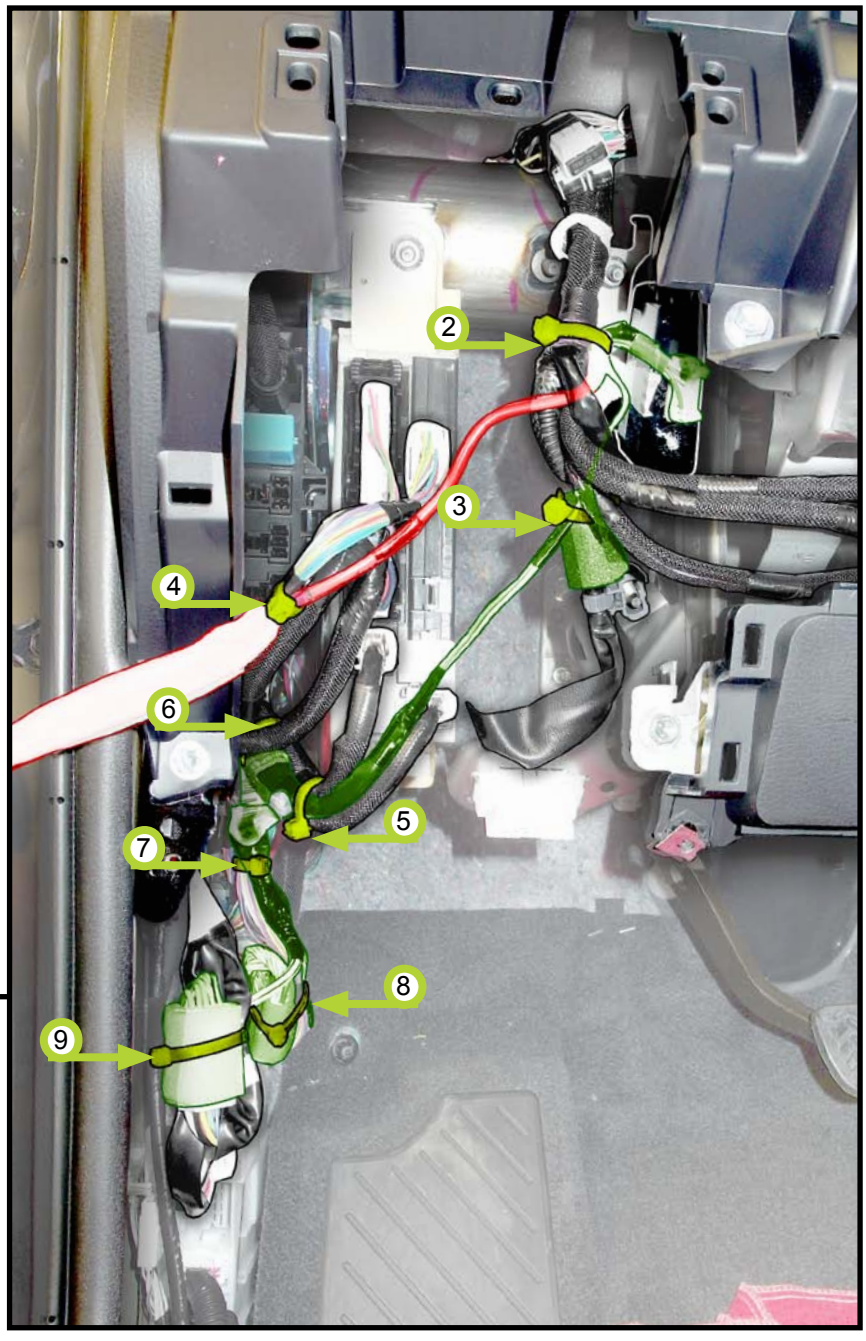
***Color of Harness on Overview corresponds with Colored Tape near Connectors on Harness.**

TOYOTA TACOMA

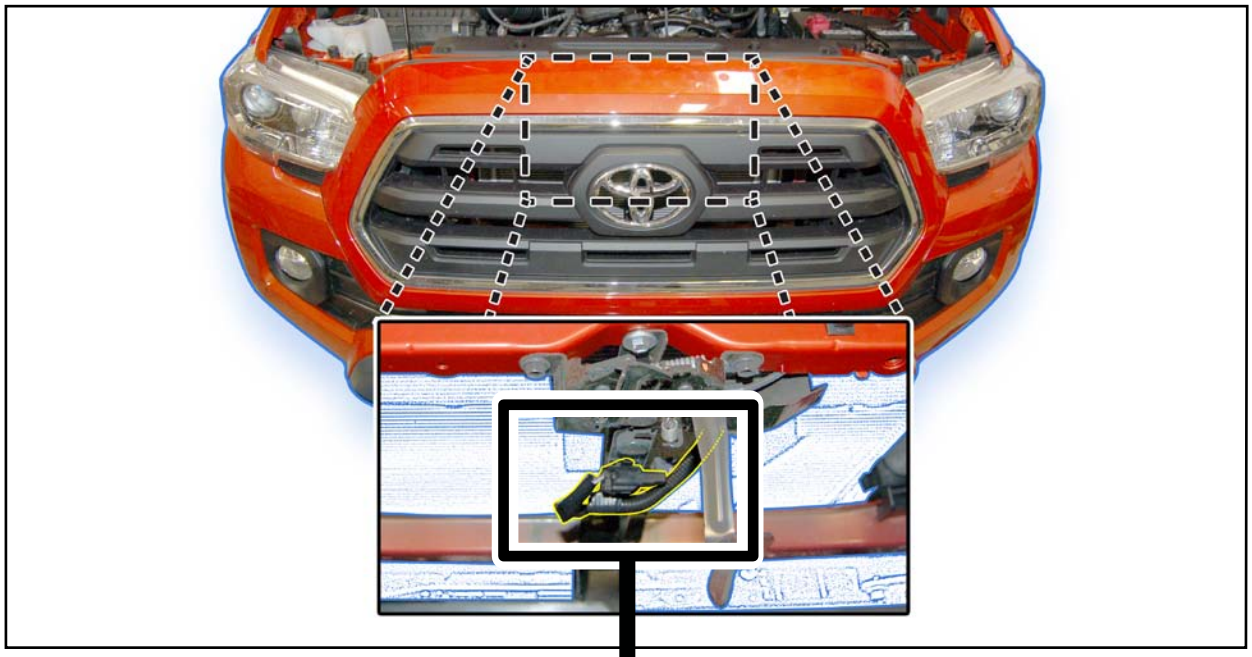
Wire Tie Overview*

xx Wire Tie location and number.





Does Vehicle have Hood Switch Dummy Connector installed?



NO

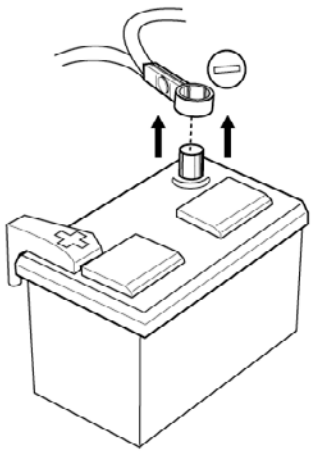
Without
Hood Switch
Dummy Connector
(DO NOT INSTALL V5)

YES

With
Hood Switch
Dummy Connector
(Continue to Installation)

10mm Socket

Fig. 1-1



1. Hood Switch Jumper Connector Installation.

NOTE: Protect the Fender before starting.

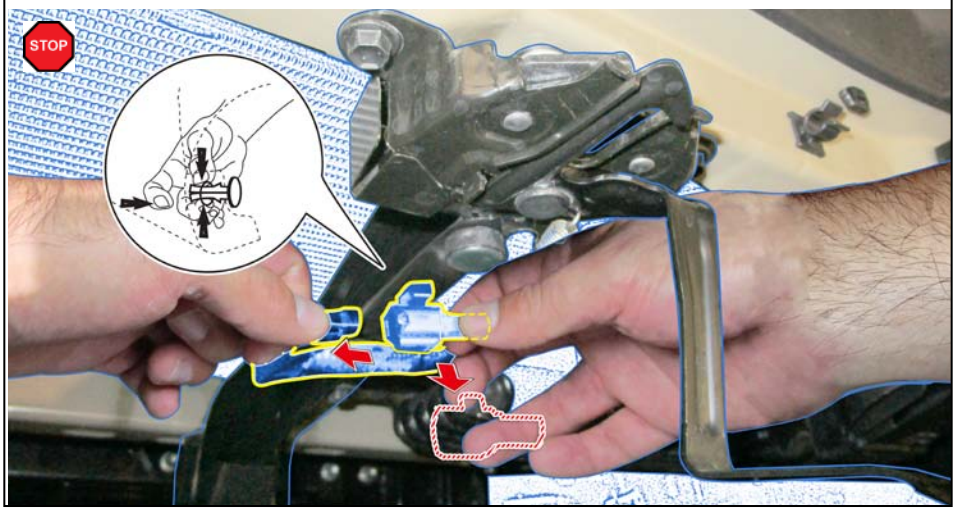
a. Place the Vehicle in Park with the Parking Brake set.

b. Disconnect the Negative Battery Terminal. (Fig. 1-1)

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

CAUTION: Do not touch the Positive Terminal. (Fig. 1-1)

Fig. 1-2



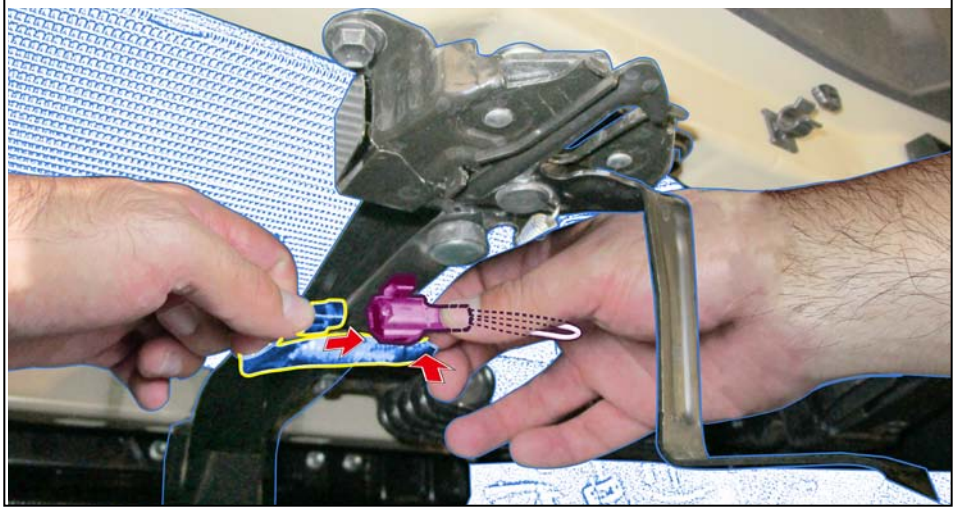
NOTE: Ensure all Kit parts are thoroughly inspected before Installation.

c. Disconnect the Vehicle's Connector from the Dummy Connector. (Fig. 1-2)
   - Discard the Dummy Connector.

d. Remove the Dummy Connector from the Vehicle. (Fig. 1-2)

NOTE: Push behind Metal Bracket. (Fig. 1-2)

Fig. 1-3



e. Install the Jumper Connector to the Vehicle's Hood Switch Connector and attach to Vehicle. (Fig. 1-3)

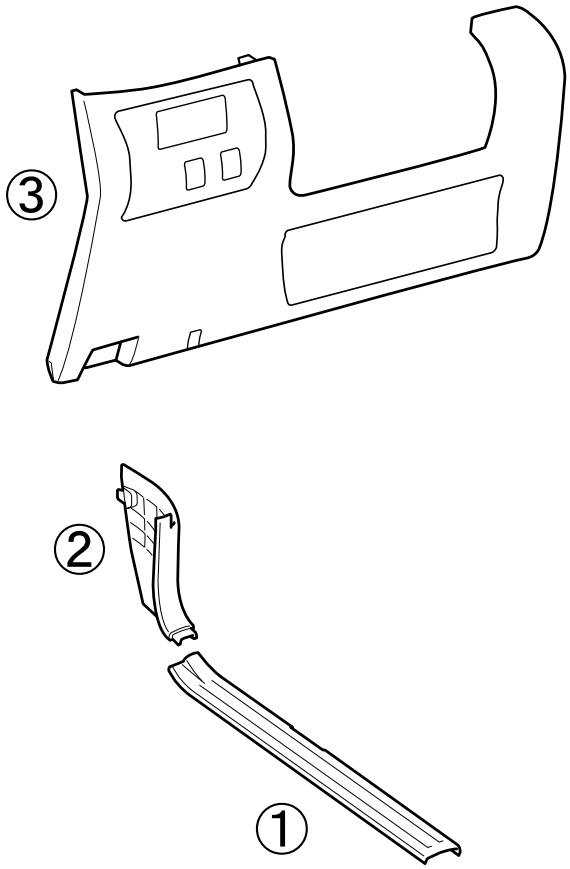
Side Cutters

Fig. 1-4

f. Secure the Jumper Connector Harness loop to the Jumper Connector using 1 Wire Tie (#1). (Fig. 1-4)

NOTE: Make sure to insert Wire Tie through Jumper Connector Harness loop as shown. (Fig. 1-4)

Disassembly Overview



1	DS Step Cover
2	DS Cowl Cover
3	DS Lower Dash Cover

STOP Disconnect all Corresponding Connectors.

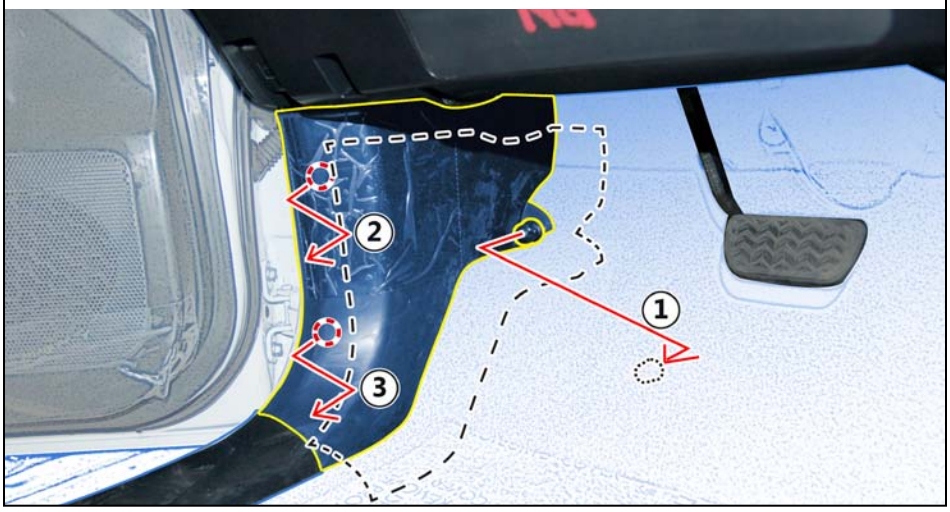
Nylon Panel Removal Tool Fig. 2-1

2. Vehicle Disassembly.

STOP **NOTE:** Ensure all disassembled Vehicle Parts are thoroughly inspected. (Fig. 2-1)

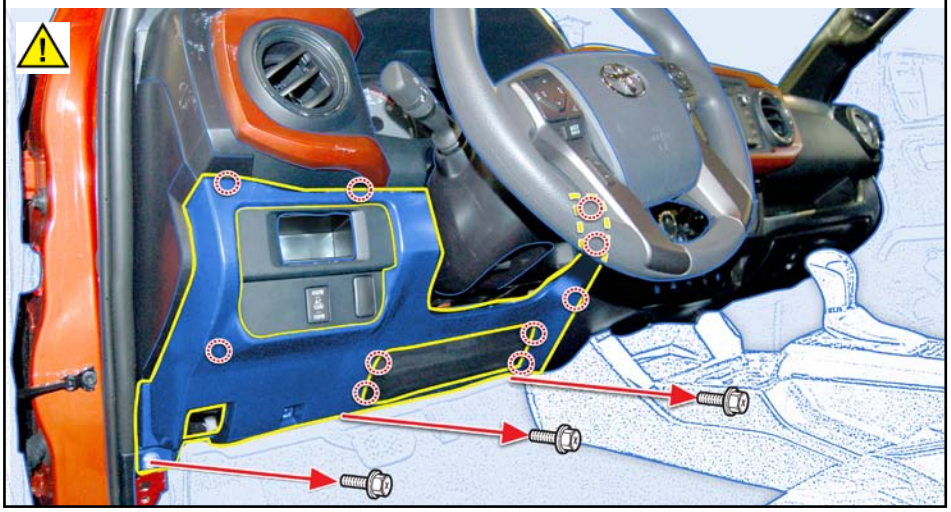
a. Remove the Driver's Side Step Cover. (Fig. 2- 1)

Nylon Panel Removal Tool Fig. 2-2



b. Remove the Driver's Side Cowl Cover as shown. (Fig. 2-2)
   - Remove 1 Nut.

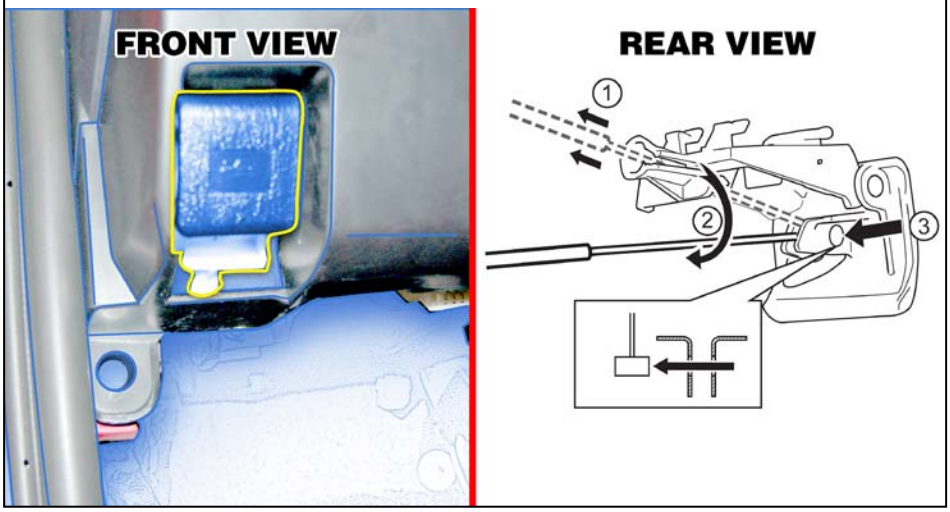
Nylon Panel Removal Tool, 10mm Socket Fig. 2-3



c. Dislodge the Lower Dash Cover. (Fig. 2-3)
   - Remove 3 Bolts.

NOTE: The Bolt on the left is Silver and different from the other Bolts. Make sure and install the Silver Bolt on the left side during re-installation. (Fig. 2-3)

Fig. 2-4

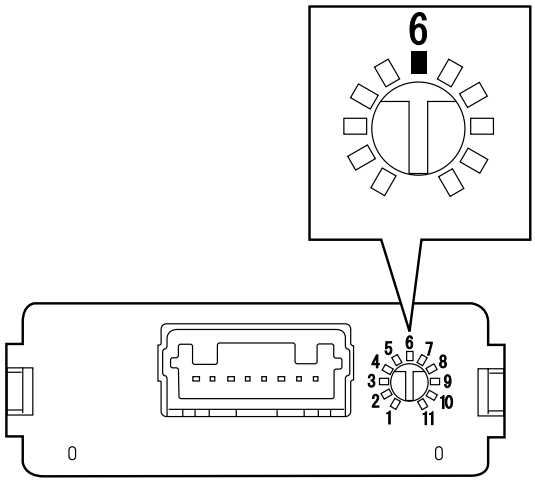


d. Remove the Hood Latch Cable from the Hood Latch Lever. (Fig. 2-4)

e. Remove the Lower Dash Cover.
   - Disconnect all Connectors.

Flatblade Jeweler's Screwdriver

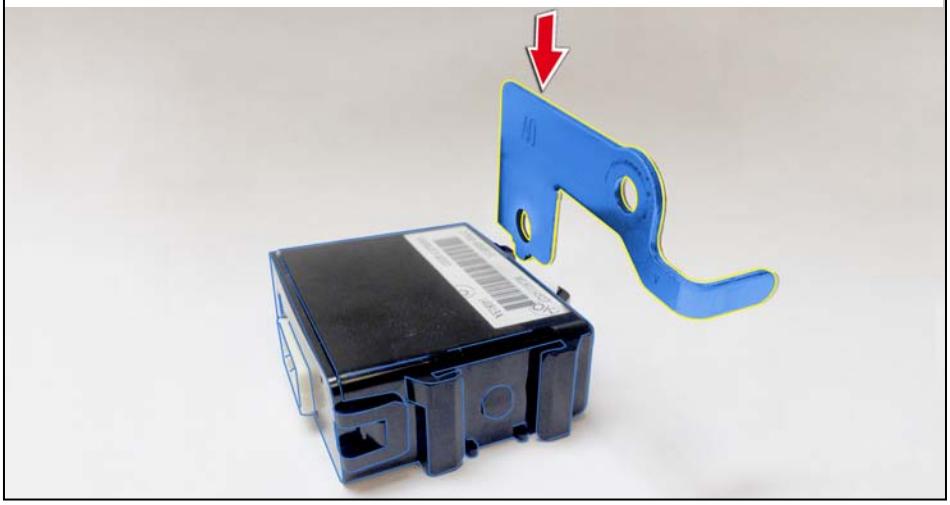
Fig. 3-1



3. GBS ECU Preparation and Installation.

a. Set the GBS Sensitivity Value to "6." (Fig. 3-1)

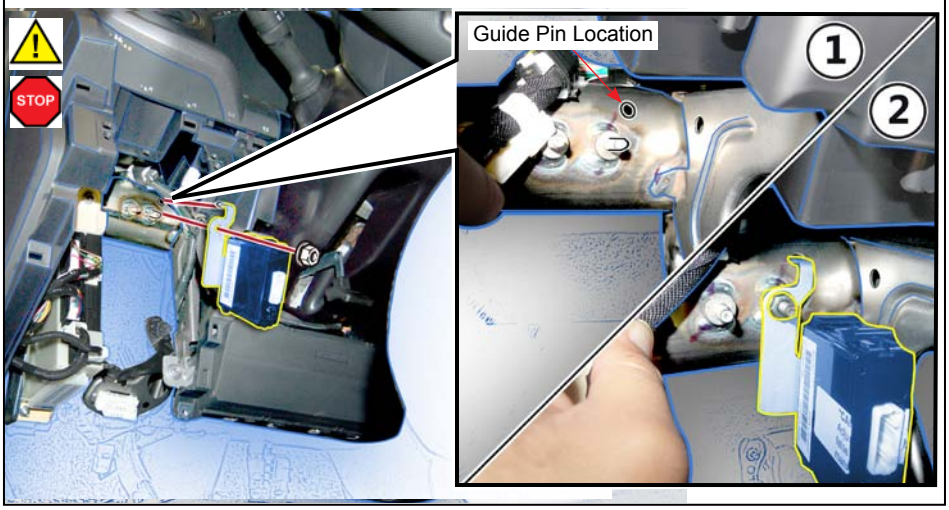
Fig. 3-2



b. Attach the GBS ECU Bracket to the GBS ECU. (Fig. 3-2)

10mm Socket

Fig. 3-3

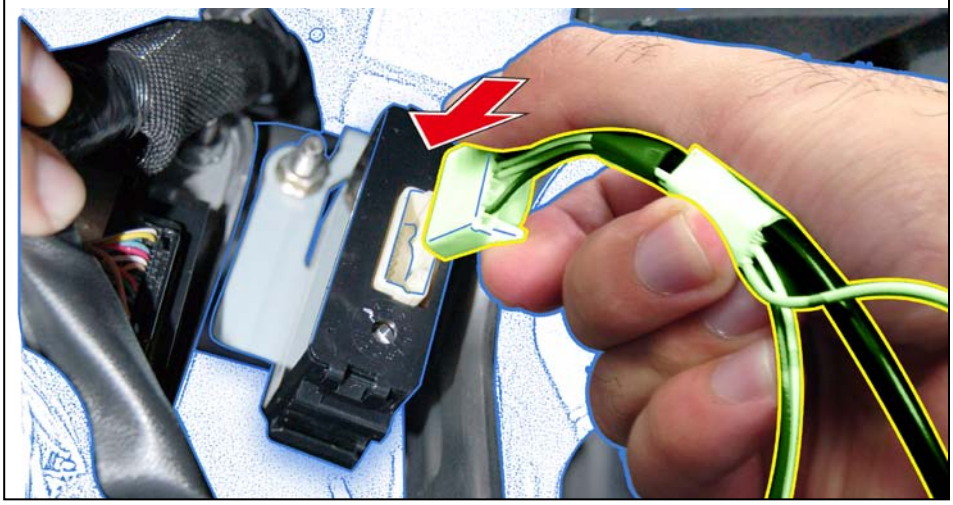


c. Install the GBS ECU to the the Vehicle's Reinforcement using the supplied Nut. (Fig. 3-3)

NOTE: Make sure the Guide Pin is seated correctly. (Fig. 3-3)

NOTE: Verify that the Nut is tightened securely.

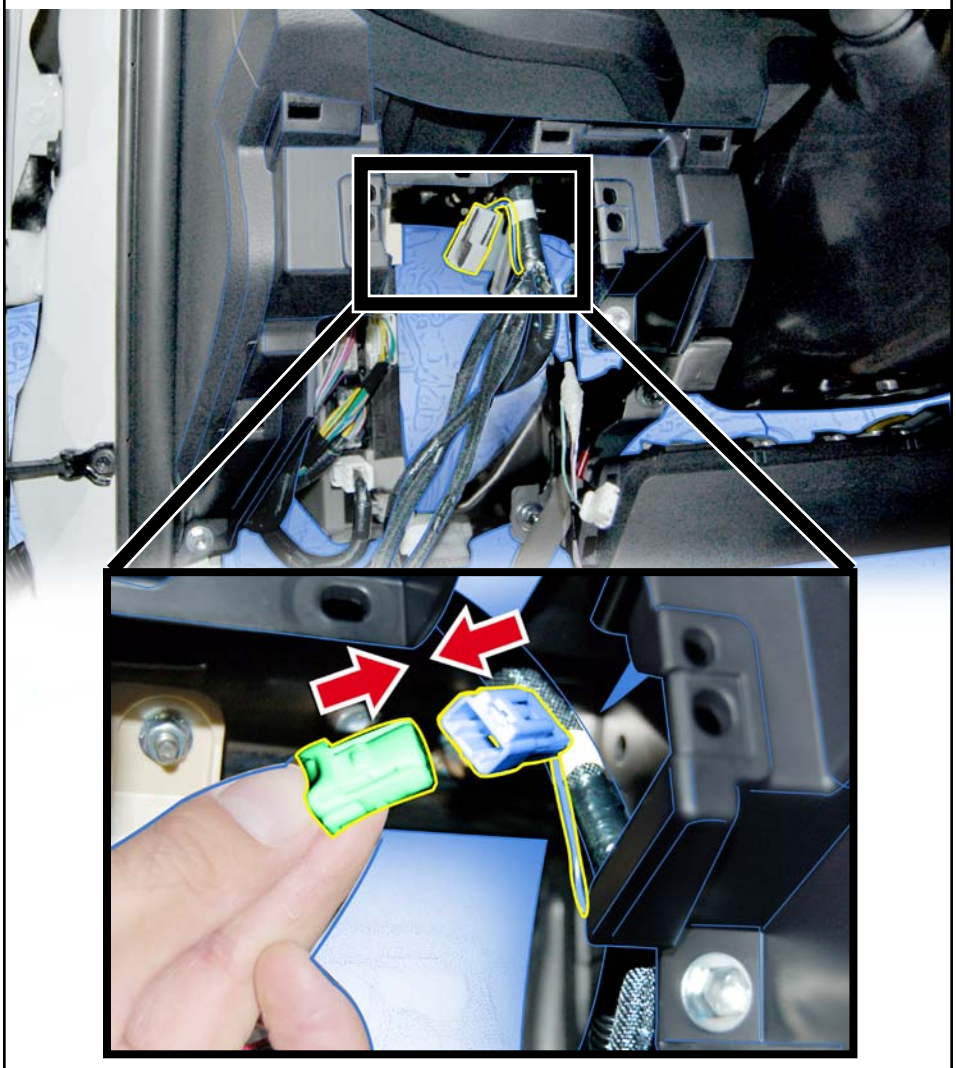
Fig. 4-1



4. V5 Harness Installation.

a. Plug in the V5 8P White Connector to the GBS ECU. (Fig. 4-1)

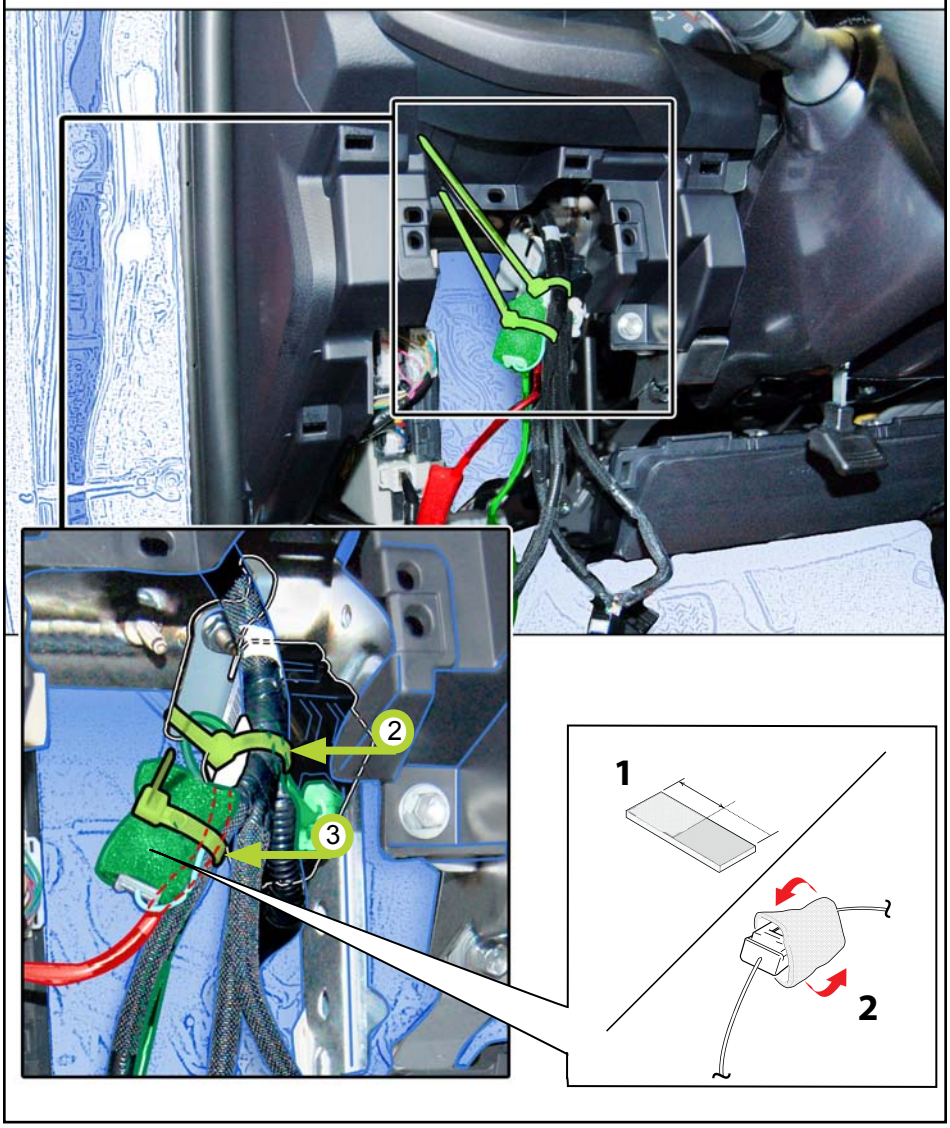
Fig. 4-2



b. Locate the Vehicle's 5P Connector and remove the Tape securing it. (Fig. 4-2)

c. Connect the Vehicle's 5P Connector to the V5 5P White Connector. (Fig. 4-2)

Side Cutters Fig. 4-3



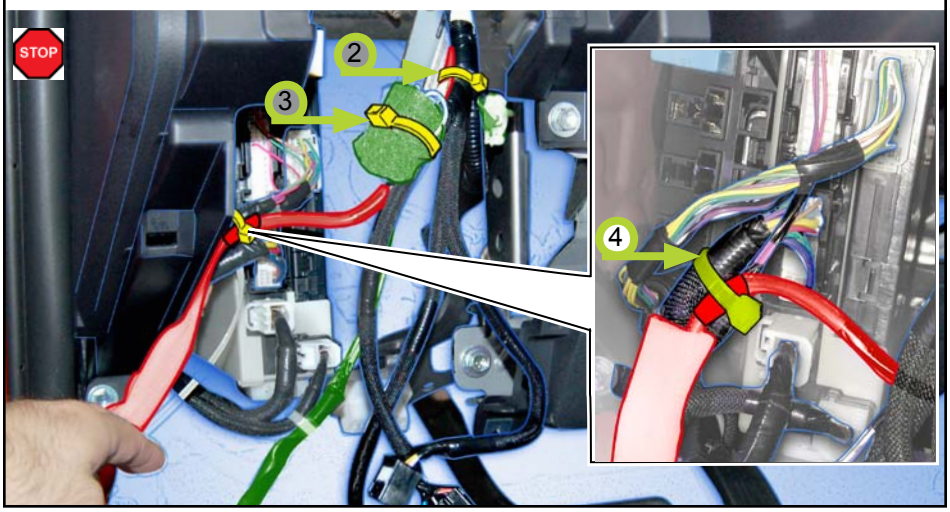
d. Secure the V5 Harness's White Tape Marker to the Vehicle Harness using 1 Wire Tie (#2). (Fig. 4-3)

e. Cut Foam Tape in Half. (Fig. 4-3)

f. Using 1/2 piece of Foam Tape, wrap the 5P White Connectors. (Fig. 4-3)

g. Secure the 5P White Connectors to the Vehicle Harness using 1 Wire Tie (#3). (Fig. 4-3)

Side Cutters Fig. 4-4

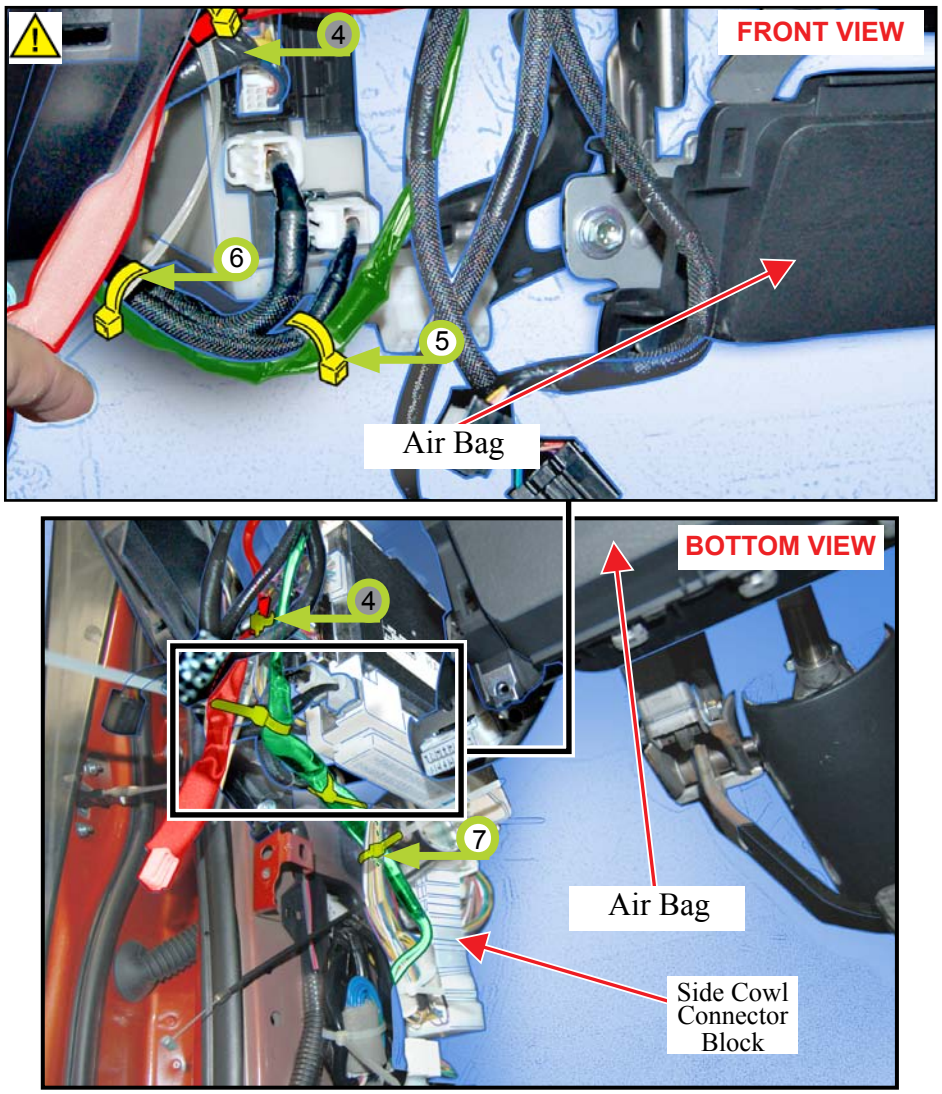


h. Secure the V5 Harness's Red Tape Marker to the Vehicle Harness using 1 Wire Tie (#4). (Fig. 4-4)

STOP **CAUTION:** Ensure to only secure the V5 Harness's Red Tape Marker to the Protected Vehicle Harness. (Fig. 4-4)

Side Cutters

Fig. 4-5



i. Secure the V5 Harness to the Vehicle Harness using 1 Wire Tie (#5). (Fig. 4-5)

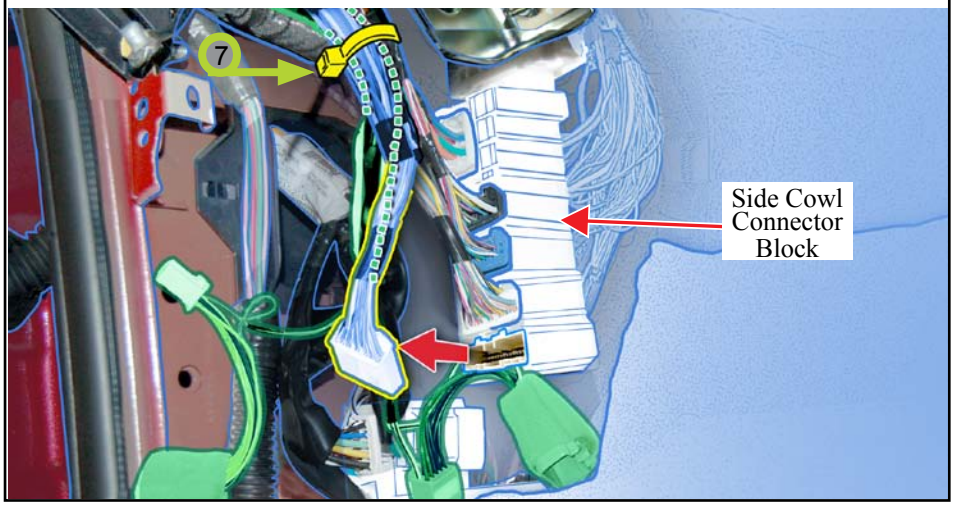
NOTE: Do not secure to the Hood Latch Cable.

j. Route the V5 Harness toward the Driver's Cowl Area. (Fig. 4-5)

k. Secure the V5 Harness to the Vehicle Harness using 1 Wire Tie (#6). (Fig. 4-5)

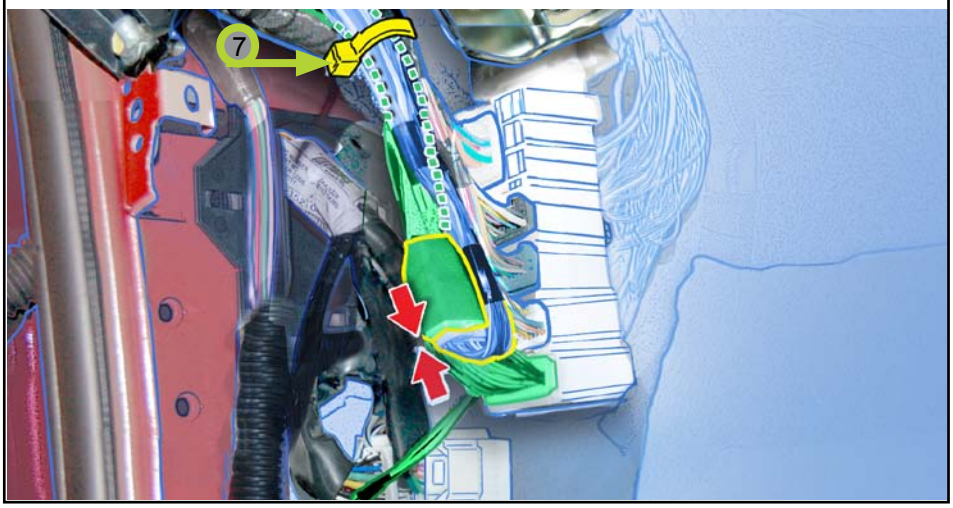
l. Route the V5 Harness toward the Rear Side of the Vehicle Harness and secure the V5 Harness with 1 Wire Tie (#7). (Fig. 4-5)

Fig. 4-6



m. Disconnect the Vehicle's 26P Connector from the Driver's Side Cowl Connector Block. (Fig. 4-6)

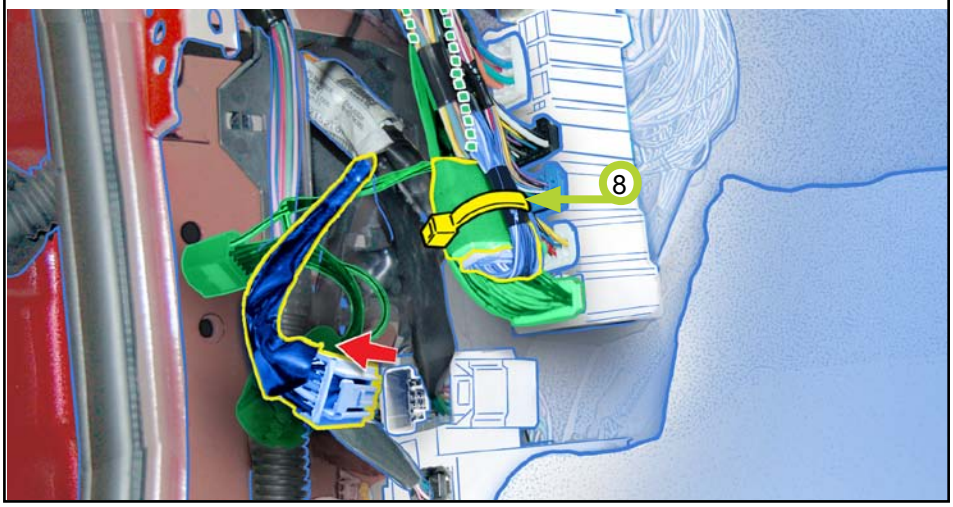
Fig. 4-8



n. Connect the V5 26P White Connectors in between the Vehicle's 26P Connector and Driver's Side Cowl Connector Block. (Fig. 4-8)

Side Cutters

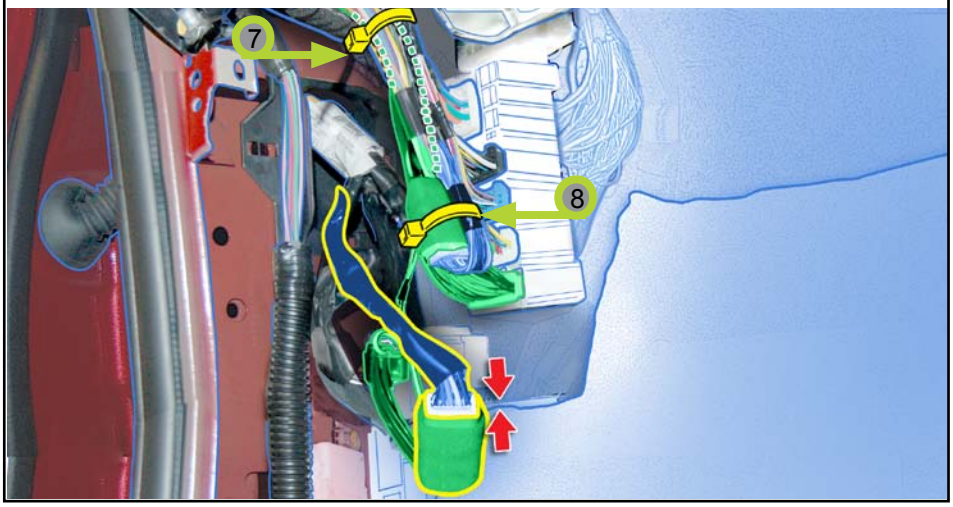
Fig. 4-9



o. Secure the 26P White Connectors to Vehicle Harness using 1 Wire Tie (#8). (Fig. 4-9)

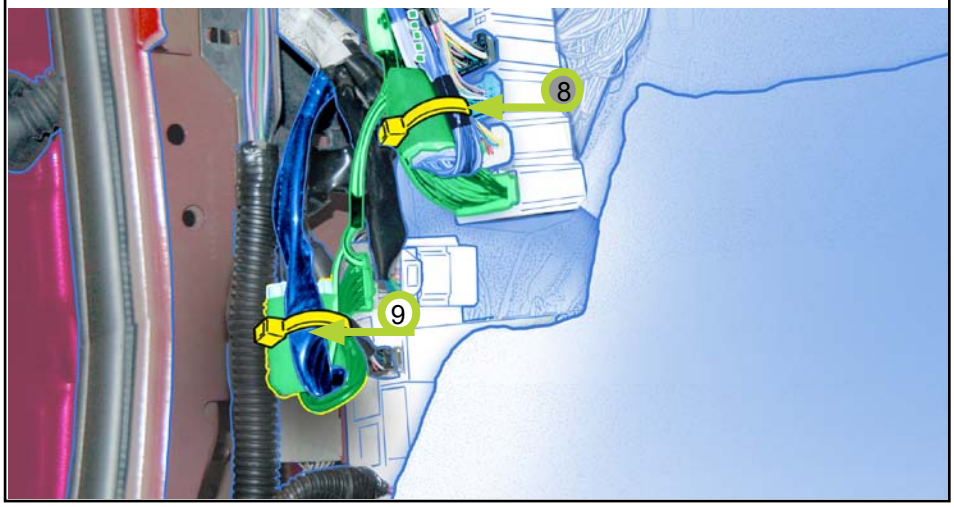
p. Disconnect the Vehicle's 10P Connector from the Driver's Side Lower Cowl Connector Block. (Fig. 4-9)

Fig. 4-10



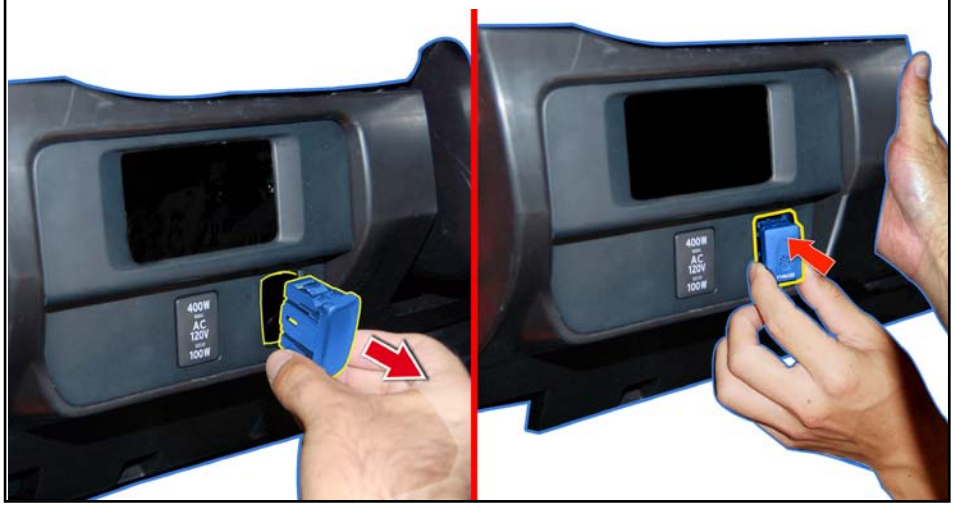
q. Connect the V5 10P Grey Connectors in between the Vehicle's 10P Connectors. (Fig. 4-10)

Side Cutters Fig. 4-11



r. Secure the 10P Grey Connectors to Vehicle Harness using 1 Wire Tie (#9). (Fig. 4-11)

Fig. 5-1

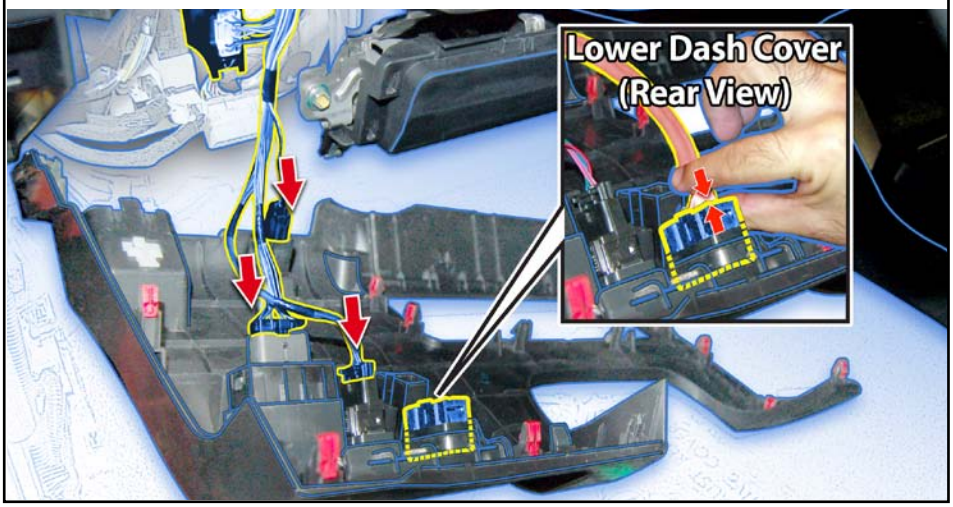


5. GBS Microphone Installation.

a. Remove the indicated Knockout cover. (Fig. 5-1)

b. Install the GBS Microphone into the Open Knockout until it snaps in place. (Fig. 5-1)

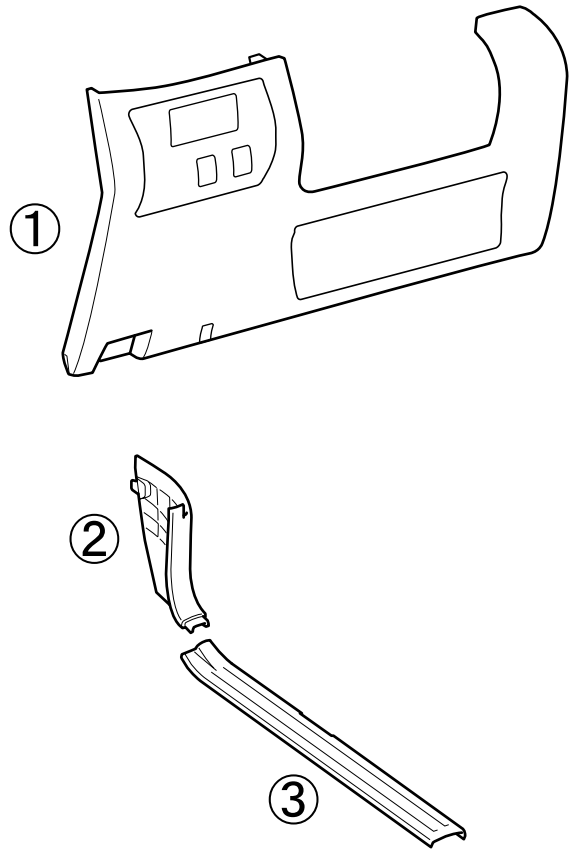
Fig. 5-2



c. Reconnect the Connectors on the Lower Dash Cover. (Fig. 5-2)

d. Connect the V5 Harness 4P White Connector to the GBS Microphone. (Fig. 5-2)

10mm Socket, Torque Wrench Fig. 6-1



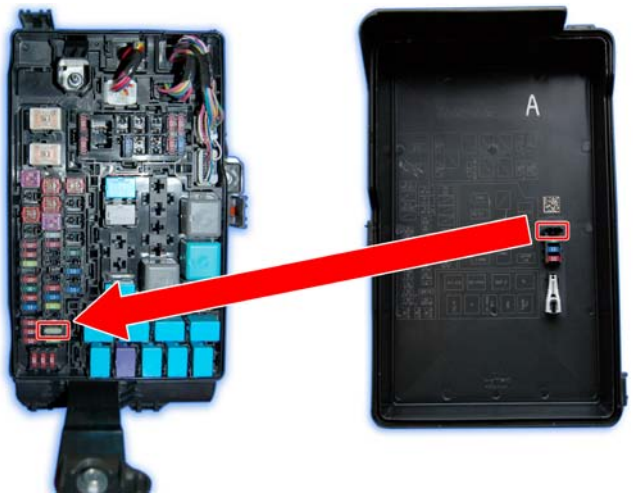
6. Registration Preparation.

a. Reassemble the Vehicle. (Fig. 6-1)

NOTE: Make sure that all Connectors are reconnected. (Fig. 6-1)

NOTE: Verify that panels fit together properly, with no uneven gaps. (Fig. 6-1)

Fig. 7-1

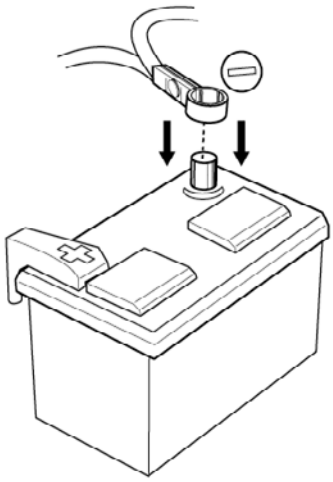


7. Registration.

a. Verify that the Short Pin is Installed. (Fig. 7-1)
   - If not Install now.

10mm Socket

Fig. 7-2



b. Temporarily reconnect the Negative Battery Cable. (Fig. 7-2)

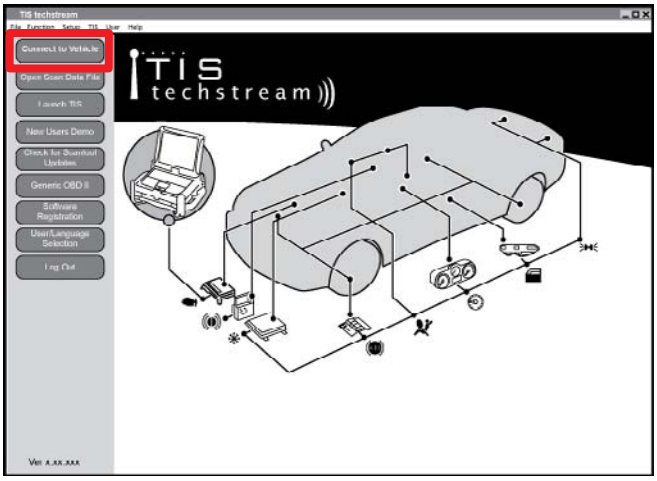
CAUTION: Do not touch the Positive terminal. (Fig. 7-2)

Fig. 7-3

c. Connect the Techstream Notebook to the Vehicle's Diagnostic Port. (Fig. 7-3)

d. Turn the Ignition Switch to "ON" position. (Fig. 7-3)

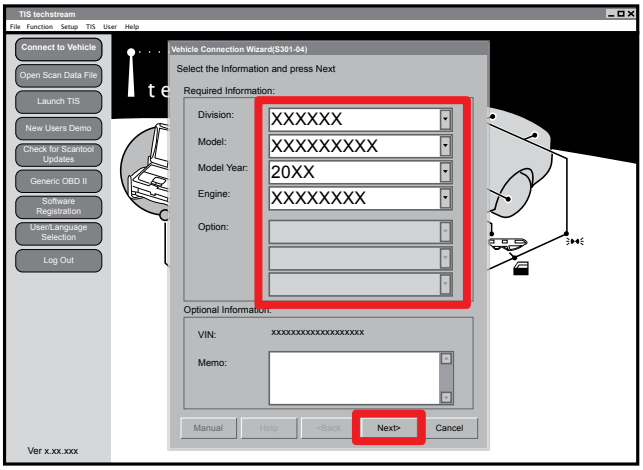
Fig. 7-4



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

f. Click “Connect to Vehicle”. (Fig. 7-4)

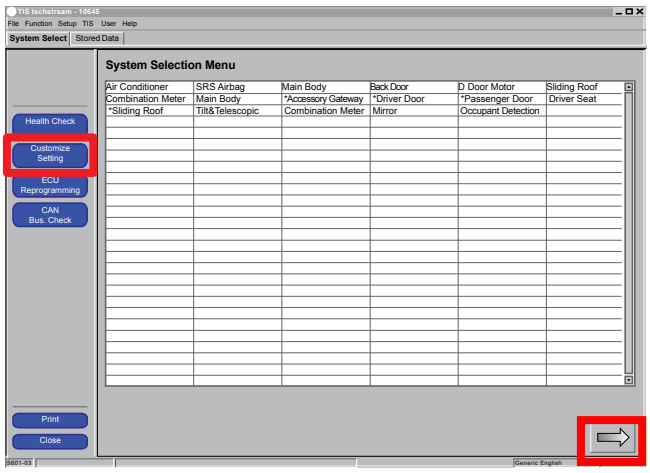
Fig. 7-5



g. Confirm that the information displayed on the Vehicle Connection Wizard is correct for the vehicle. If not, verify that the Techstream is properly connected. (Fig. 7-5)

h. Click “Next>.” (Fig. 7-5)

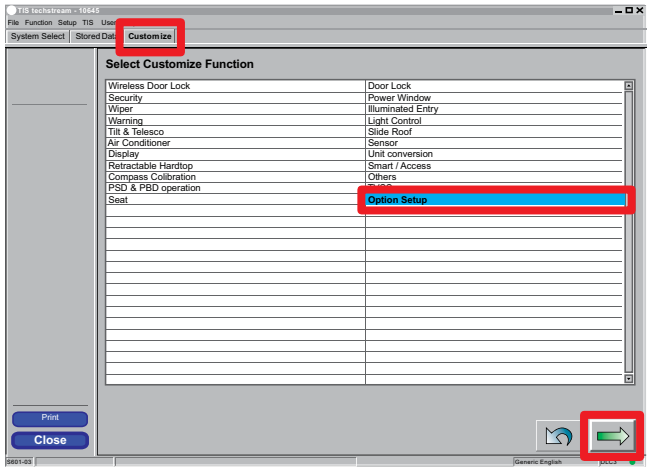
Fig. 7-6



i. Click “Customize Setting.” (Fig. 7-6)

j. Click (Fig. 7-6).

Fig. 7-7



k. Make sure that the "Customize" tab is selected. (Fig. 7-7)

l. Select "Option Setup". (Fig. 7-7)

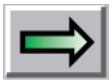
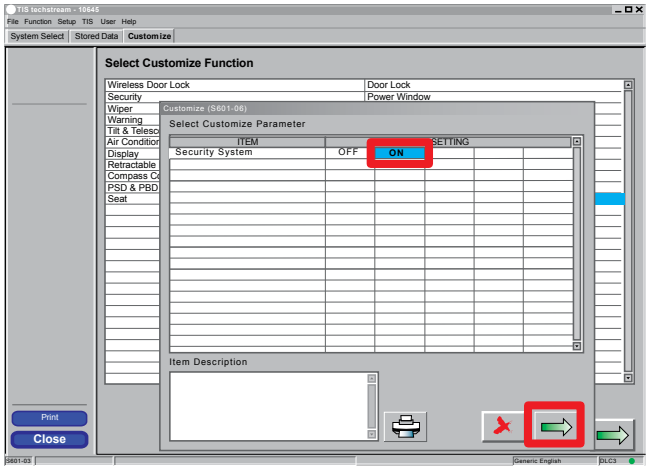
m. Click  (Fig. 7-7)

Fig. 7-8



n. Select "ON." (Fig. 7-8)

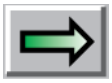
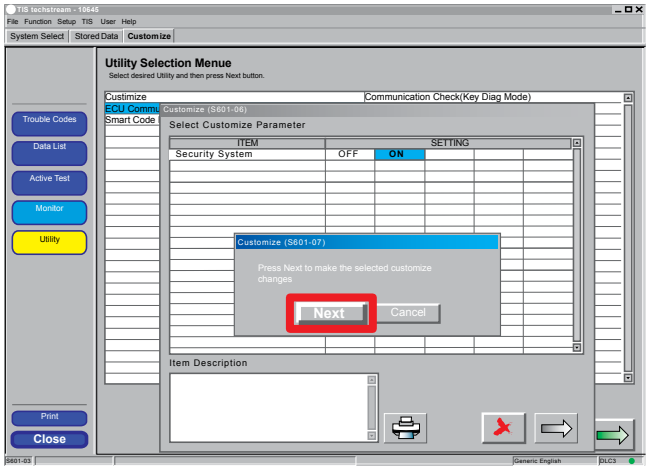
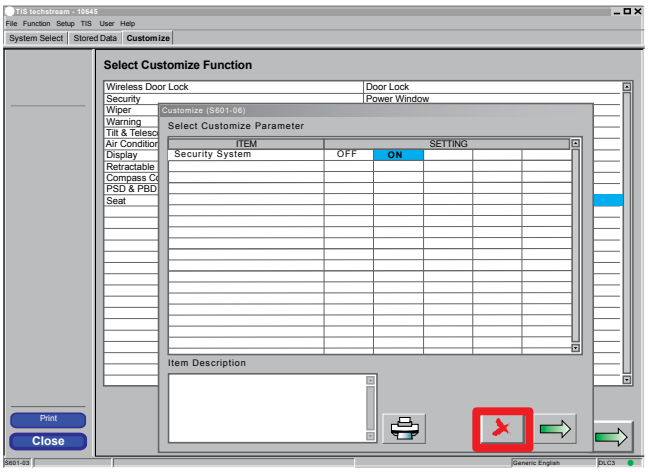
o. Click  (Fig. 7-8)

Fig. 7-9



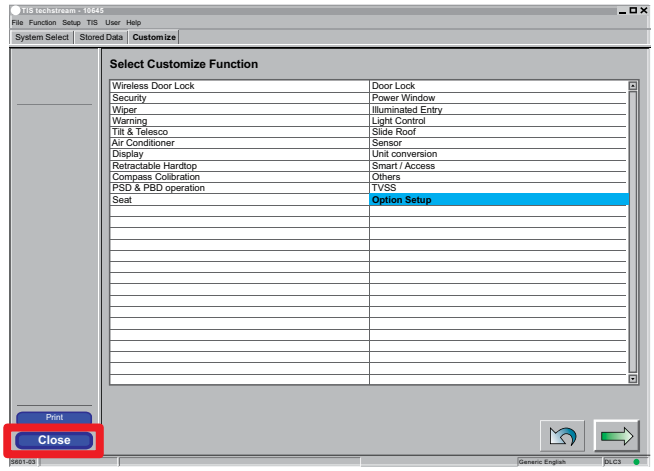
p. Click "Next" to accept the changes to the Vehicle. (Fig. 7-9)

Fig. 7-10

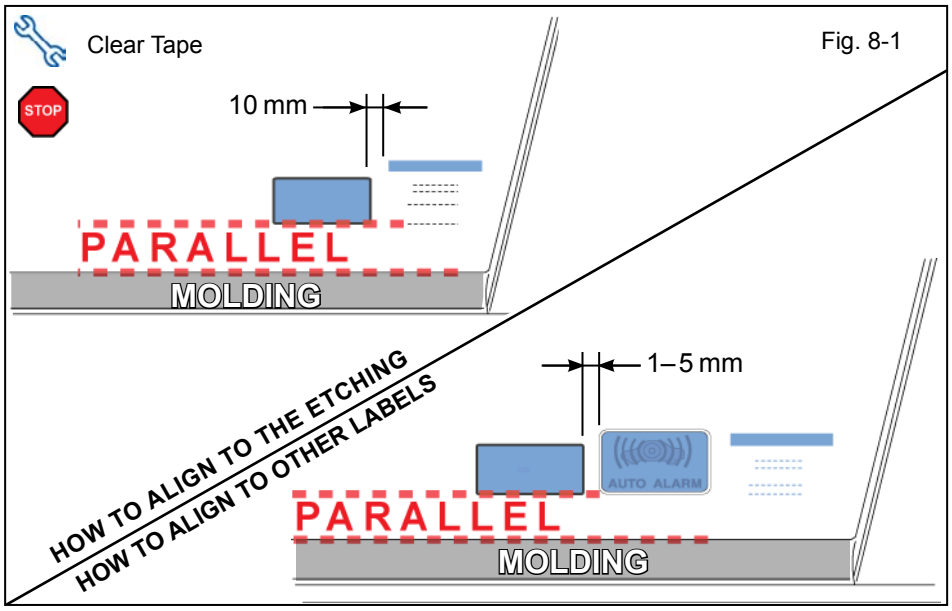


q. Click (Fig. 7-10)

Fig. 7-11



r. Click “Close.” (Fig. 7-11)



8. Complete the Installation.

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

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

a. Use VDC Approved Cleaner to clean the inside of the Front Door Windows.

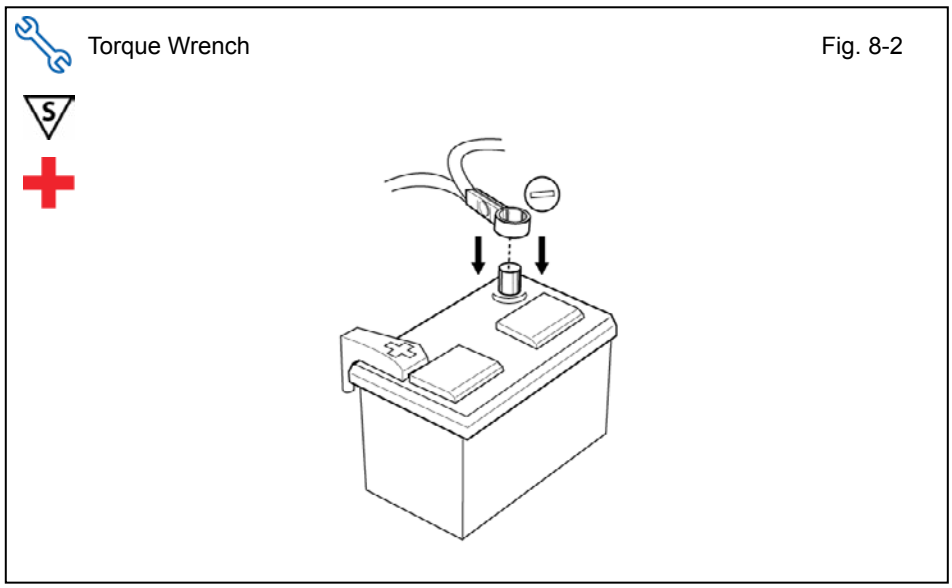
b. Use a piece of Clear Tape to lift the Label off its protective backing.

CAUTION: Do not touch the adhesive surface.

c. Attach the Label as shown. (Fig. 8-1)

NOTE: Make sure to Align the Label according to Etching or Other Label. (Fig. 8-1)

REPEAT: Steps 5a - 5c on the other window.



d. Position the Negative Battery Cable at the original factory position. (Fig. 8-2)

Torque: 5.4 N•m (48 in•lbf)

CAUTION: Do not touch the Positive terminal. (Fig. 8-2)

e. Clean up and Remove trash.

f. Sealed in its protective bag, place the Owner's Manual in the Glove Box.

Accessory Function Checks

For Vehicles without Key Fob: Skip to Page 24.

Roll up all windows, and exit the vehicle with the remote.

	Perform	Look For
1	Press and release the remote control lock button to start the system's arming process.	The turn signal lights flash once. All doors lock. The security LED lights up.
2	Wait 30 seconds.	Security LED starts flashing; the system is now armed.
3	Press and release the remote control's unlock button to disarm the system.	The turn signal lights flash twice. The driver's door unlocks. The Security LED stops flashing.

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

4	Arm and disarm the system with the remote again, then wait 30 seconds.	The doors automatically relock. The system automatically starts the arming process.
5	Press and release the remote control's unlock button again to stop the arming process.	Refer to step 3
6	Insert the key into the driver's door key cylinder and turn it toward the front of the vehicle to start the arming process.	All doors lock. The Security LED lights up.
7	Wait 30 seconds.	Security LED starts flashing; the system is now armed.
8	Reach inside and manually unlock the driver's door to trigger an alarm.	The driver's door automatically relocks. The horn sounds repeatedly. The headlights flash repeatedly. The turn signal lights flash repeatedly. The Security LED lights up. (For some vehicles the LED will continue to flash)
9	Manually unlock the driver's door again and hold it unlocked, open the door, then sit in the driver's seat.	The driver's door lock attempts to lock repeatedly. The horn continues to sound repeatedly. The headlights and turn signal lights continue flashing. The Security LED remains on. (For some vehicles the LED will continue to flash)
10	Insert the key into the ignition switch and turn it to "START" to stop the alarm. (For Smart Vehicles, press "START" button)	The horn stops sounding. All the lights stop flashing and/or turn off. The Security LED turns off. The starter cranks and the engine starts.

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

11	With the door open, press the lock switch on the door to lock the doors, then close the door to start the system's arming process.	All doors lock. The Security LED lights up.
12	Wait 30 seconds.	Security LED starts flashing; the system is now armed.

13	Reach inside and manually unlock the front passenger's door to trigger an alarm.	The front passenger's door automatically relocks. The horn sounds repeatedly. The headlights flash repeatedly. The turn signal lights flash repeatedly. The Security LED lights up. (For some vehicles the LED will continue to flash)
14	Press and release the remote control's unlock button to stop the alarm.	The horn stops sounding. All the lights stop flashing. The Security LED turns off.
15	Press and release the remote control's lock button to start the system's arming process, then wait 30 seconds until the system is armed.	Refer to steps 1 and 2.
16	Unlock and open one of the rear passenger doors to trigger an alarm. (if available)	Refer to step 13.
17	Press and release the remote control's unlock button to stop the alarm.	Refer to Step 14.
18	Repeat the above steps with the other rear passenger door. (if available)	Refer to steps 1, 2, and 13.

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

For Smart Vehicles: Take out the Smart Key and the Smart Card Key from the Vehicle. Place them 15 ft. (4.5 meters) or more away from the Vehicle.

19	Press and release the remote control's lock button to start the arming process.	Refer to step 1.
20	Wait 30 seconds.	After 30 seconds, the Security LED starts flashing; the system is now armed.

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

21	With the tip of a key, or Striker Tool pulled all the way out (PPO only), tap the center of the driver's door window to trigger the alarm.	The horn sounds repeatedly. The headlights flash repeatedly. The turn signal lights flash repeatedly. The Security LED lights up. (For some vehicles the LED will continue to flash)
22	Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the alarm.	Refer to Step 14.

For Smart Vehicles: If the alarm does not trigger during functional verifications the Smart Key and Smart Card Key might be too close. Move them farther from the vehicle and test the system again.

NOTE: If the alarm does not trigger during the Glass Breakage Test, increase the GBS sensitivity to the next setting and test again.

NOTE: If you do not disarm the system, the alarm will last 20 seconds. It is not necessary to check the alarm duration.

Skip to Vehicle Function Checks: Skip to Page 26.

Accessory Function Checks (Vehicles Without Key Fob)

Roll up all windows, and exit the vehicle.

	Perform	Look For
1	Insert the key into the driver's door key cylinder and turn it toward the front of the vehicle to start the arming process.	All doors lock. The Security LED lights up.
2	Wait 30 seconds.	Security LED starts flashing; the system is now armed.
3	Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the arming process.	The turn signal lights flash twice. The driver's door unlocks. The Security LED stops flashing.

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

4	Arm and disarm the system with the key, then wait 30 seconds.	The doors automatically relock. The system automatically starts the arming process.
5	Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the arming process.	Refer to step 3
6	Insert the key into the driver's door key cylinder and turn it toward the front of the vehicle to start the arming process.	All doors lock. The Security LED lights up.
7	Wait 30 seconds.	Security LED starts flashing; the system is now armed.
8	Reach inside and manually unlock the driver's door to trigger an alarm.	The driver's door automatically relocks. The horn sounds repeatedly. The headlights flash repeatedly. The turn signal lights flash repeatedly. The Security LED lights up. (For some vehicles the LED will continue to flash)
9	Manually unlock the driver's door again and keep it unlocked, open the door, then sit in the driver's seat.	The driver's door lock attempts to lock repeatedly. The horn continues to sound repeatedly. The headlights and turn signal lights continue flashing. The Security LED remains on. (For some vehicles the LED will continue to flash)
10	Insert the key into the ignition switch and turn it to "START" to stop the alarm.	The horn stops sounding. All the lights stop flashing and/or turn off. The Security LED turns off. The starter cranks and the engine starts.

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

11	With the door open, press the lock switch on the door to lock the doors, then close the door to start the system's arming process.	All doors lock. The Security LED lights up.
12	Wait 30 seconds.	Security LED starts flashing; the system is now armed.

16	Unlock and open one of the rear passenger doors to trigger an alarm. (if available)	Refer to step 13.
17	Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the alarm.	Refer to Step 14.
18	Repeat the above steps with the other rear passenger door. (if available)	Refer to steps 1, 2, and 13.

Roll up all windows, exit the vehicle.

19	Insert the key into the driver's door key cylinder and turn it toward the front of the vehicle to start the arming process.	Refer to step 1.
20	Wait 30 seconds.	After 30 seconds, the Security LED starts flashing; the system is now armed.

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

21	With the tip of a key, or Striker Tool pulled all the way out (PPO only), tap the center of the driver's door window to trigger the alarm.	The horn sounds repeatedly. The headlights flash repeatedly. The turn signal lights flash repeatedly. The Security LED lights up. (For some vehicles the LED will continue to flash)
22	Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the alarm.	Refer to Step 14.

NOTE: If the alarm does not trigger during the Glass Breakage Test, increase the GBS sensitivity to the next setting and test again.

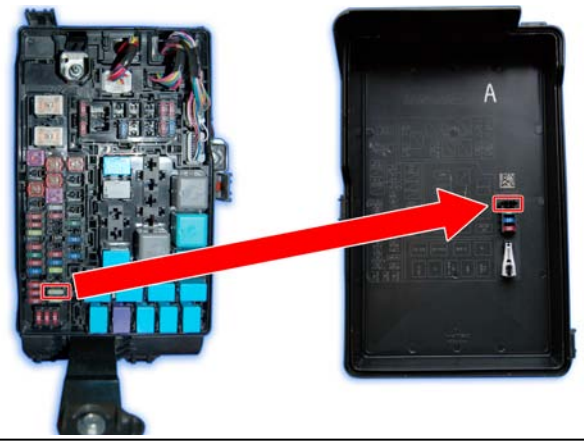
NOTE: If you do not disarm the system, the alarm will last 20 seconds. It is not necessary to check the alarm duration.

Vehicle Function Checks

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

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

Vehicle Appearance Check

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

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