

Part Number: 08586-02881

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	V5 Wire Harness
2	1	Security ECU Mounting Bracket
3	1	GBS ECU Mounting Bracket
4	1	V5 Security ECU
5	1	GBS ECU
6	1	Status Monitor
7	1	Butyl Tape

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	35	Medium Wire Ties
2	10	Large Wire Ties
3	1	Small Foam Tape Strip (1 per)
4	2	Large Foam Tape Strips (2 per)
5	4	Splicing Connectors
6	1	Extra Large Foam Tape
7	1	Bolt (for Security ECU)
8	1	Bolt (for GBS ECU)
9	1	Protective Tape
10	2	Warning Labels
11	1	Owner's Manual
12	1	Warranty Card
13	1	Key Tag

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Note: Do not install in vehicles with factory installed V5.

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Cable Wire Routing Tool	
Installation Tools	Notes
Screwdriver	Phillips Head # 2, (or Tip)
Screwdriver	Small, Flat Blade
Wrench	10 mm
Socket	10 mm
Extension	3"

Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Electrical Tape	
Utility Knife	
Side Cutter Tool	
Torque Wrench	36 lbf-in
Pliers	
Special Chemicals	Notes
Glass Cleaner	Household Windex

General Applicability

2007 - Corolla/ Matrix with factory keyless entry only.

Recommended Sequence of Application

Item #	Accessory
1	V5
2	Audio
3	EC Mirror

*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.

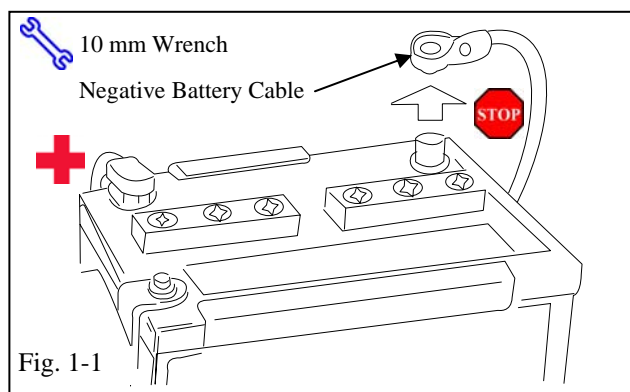
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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 Disassembly.

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



- (1) Protect the fender before starting.
- (2) For automatic equipped vehicles, place the shifter in low gear and set the parking break prior to disconnecting the battery.



- (3) Be careful not to touch the positive terminal.

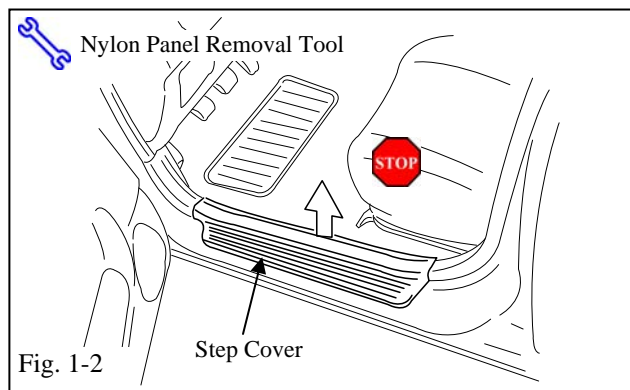
- (b) Remove the driver side step cover. (Fig. 1-2)



- (1) Cover the floor and seats before starting.



- (2) Do not scratch the cover.

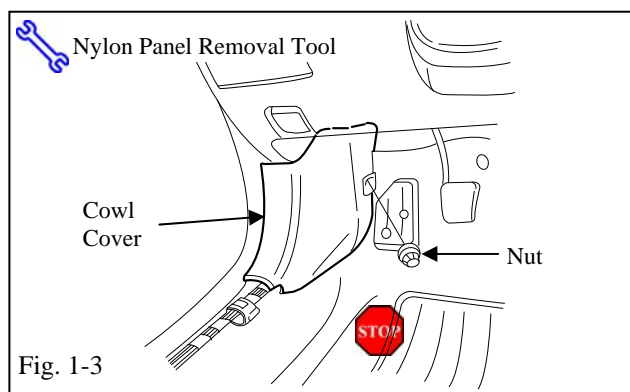


- (c) Remove the driver side cowl cover. (Fig. 1-3)

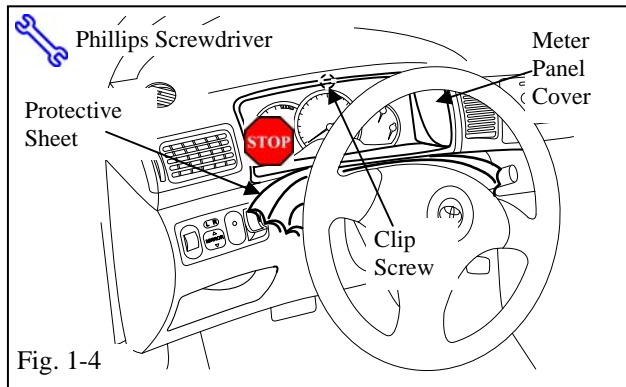
- (1) Remove the nut securing the cover.



- (2) Do not scratch the cover.

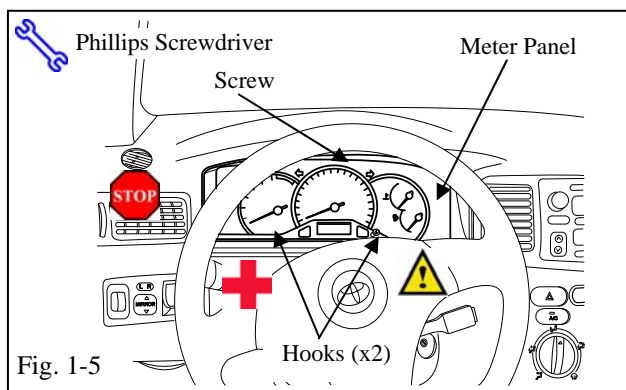


FOR COROLLA MODELS ONLY.
(Steps d-e)



(d) Remove the meter panel cover. (Fig. 1-4)

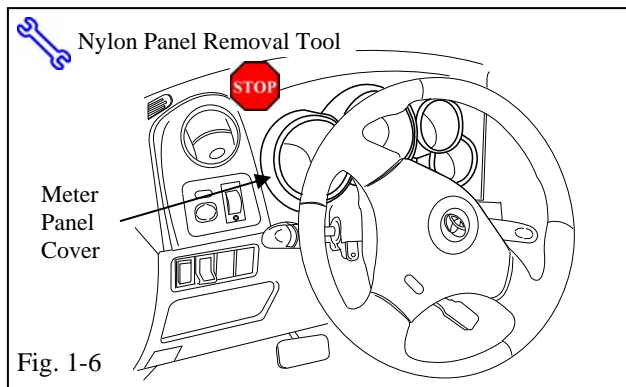
- (1) Remove the one clip screw securing the panel.
- (2) Place a protective sheet over the steering column to avoid scratching the meter panel area.



(e) Remove the meter panel. (Fig. 1-5)

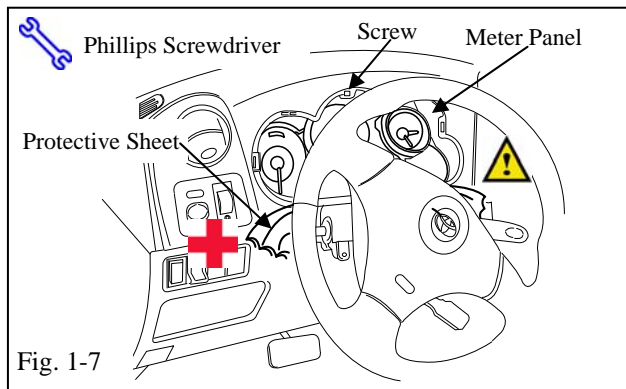
- (1) Remove the one screw securing the meter panel to the dash.
- (2) Disconnect the two connectors from behind the meter panel.
- (3) Do not pull on the wires; pull on the connector.
- (4) Be careful when removing the panel from the vehicle hooks to prevent damage.
- (5) Be careful not to get cut by the sharp hooks.

FOR MATRIX MODELS ONLY.
(Steps f-g)



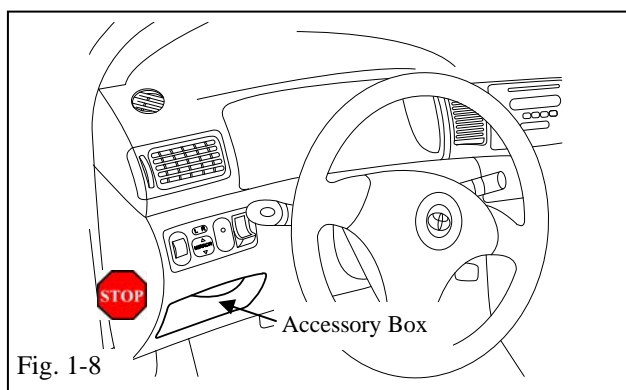
(f) Remove the meter panel cover. (Fig. 1-6)

- (1) Place a protective sheet over the steering column to avoid scratching the meter panel area.



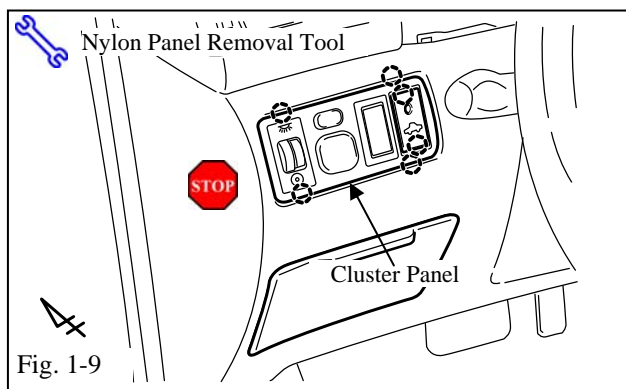
(g) Remove the meter panel. (Fig. 1-7)

- (1) Remove the one screw securing the meter panel to the dash.
- (2) Disconnect the two connectors from behind the meter panel.
- (3) Do not pull on the wires; pull on the connector.
- (4) Be careful when removing the panel from the vehicle to prevent damage.
- (5) Be careful not to get cut by the sharp hooks.



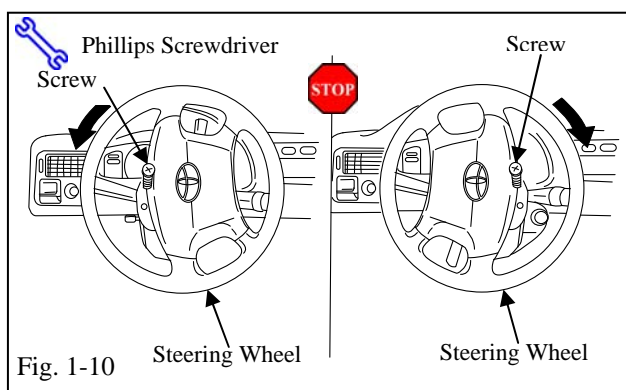
(h) Remove the small accessory box from the lower dash. (Fig. 1-8)

- (1) Do not scratch the accessory box and the lower dash.



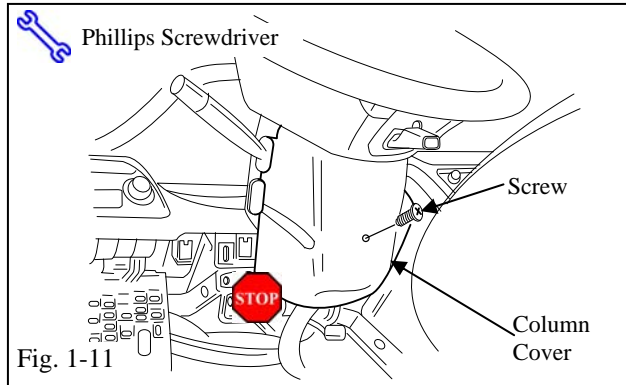
(i) Remove the cluster panel. (Fig. 1-9)

- (1) Do not scratch the panel.



(j) Remove the two screws, located behind the steering wheel, securing the bottom steering column cover. (Fig. 1-10)

- (1) Do not scratch the cover.
- (2) With the ignition switch in the ON position, turn the steering wheel left or right to gain access to the screws.

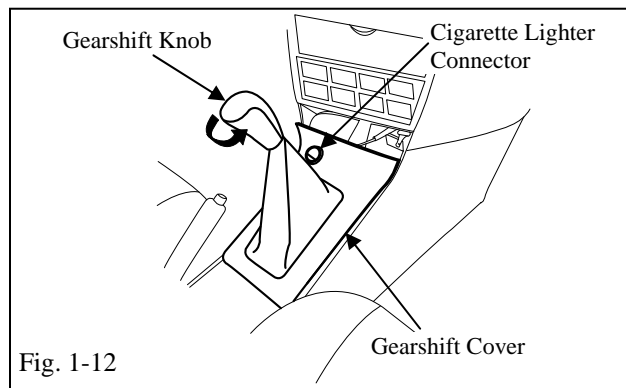


(k) Remove the bottom screw and the lower steering column cover. (Fig. 1-11)



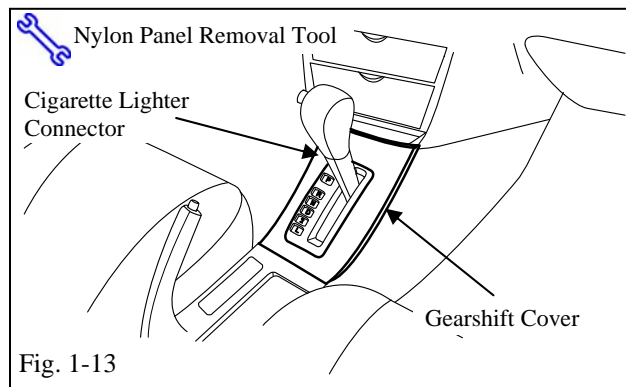
(1) Do not scratch the cover.

FOR COROLLA MODELS ONLY.
(Steps 1-n)



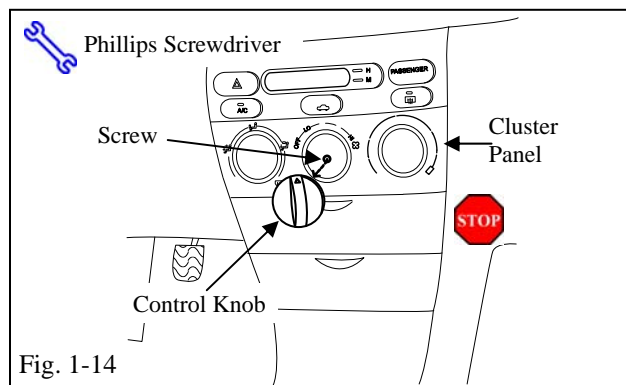
(l) Remove the gearshift cover.

(1) For Manual Transmission vehicles, remove the gearshift knob, then the gearshift cover. (Fig. 1-12)



(2) For Automatic Transmission vehicles, remove the gearshift cover only. (Fig. 1-13)

(3) Disconnect the cigarette lighter connector located underneath the gearshift cover.

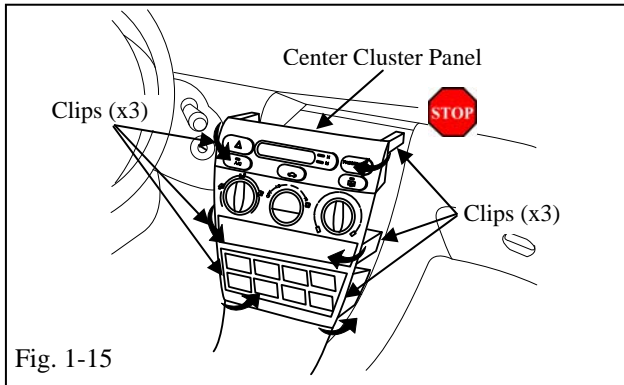


(m) Remove the middle heater control knob. (Fig. 1-14)

(1) Remove the one screw from the center knob area after the control knob is removed.



(2) Do not scratch the panel.



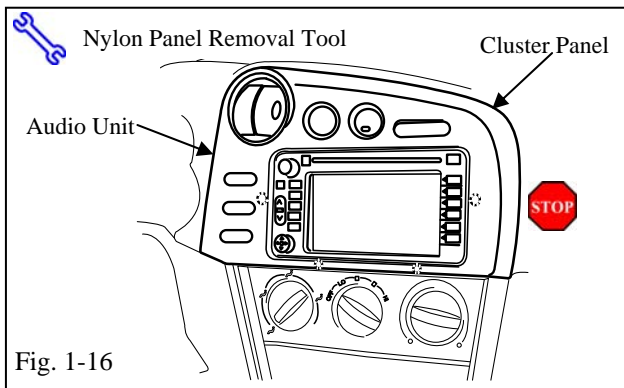
(n) Remove the center cluster panel. (Fig. 1-15)

- (1) Loosen the three left and three right side clips when removing the cluster panel.
- (2) Disconnect the four connectors from the panel.
- (3) Do not scratch the panel.



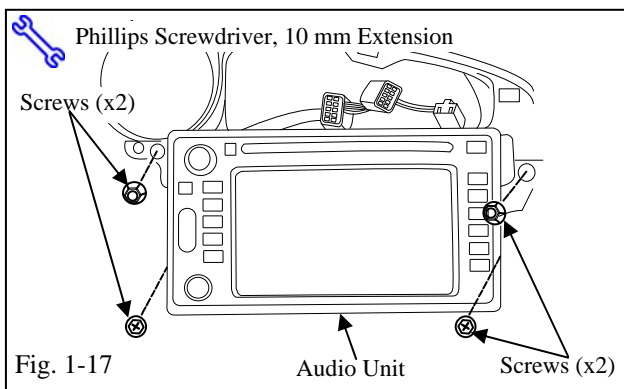
FOR MATRIX MODELS ONLY.

(Steps o-p)



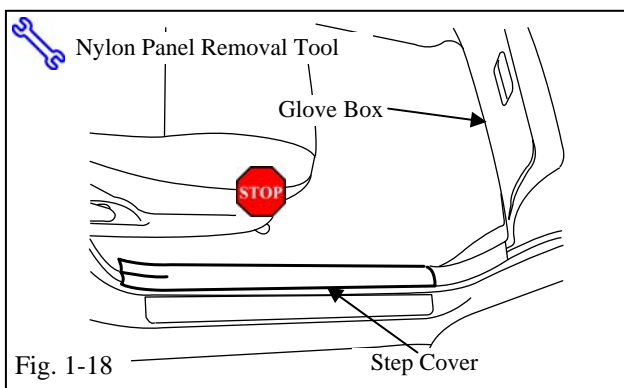
(o) Remove the center cluster panel. (Fig. 1-16)

- (1) Do not scratch the cluster panel.
- (2) The heater duct and hazard lamp switch must be removed with the cluster panel. Disconnect all connectors and one cable.



(p) Remove the audio unit. (Fig. 1-17)

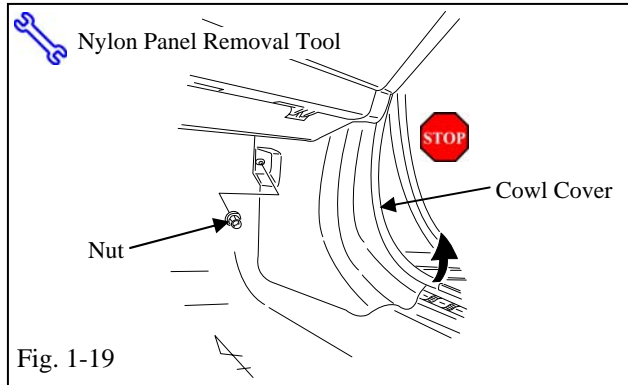
- (1) Remove the four screws securing the audio unit.
- (2) Remove the harness clip from the bracket of the audio unit.



(q) Remove the passenger side step cover. (Fig. 1-18)

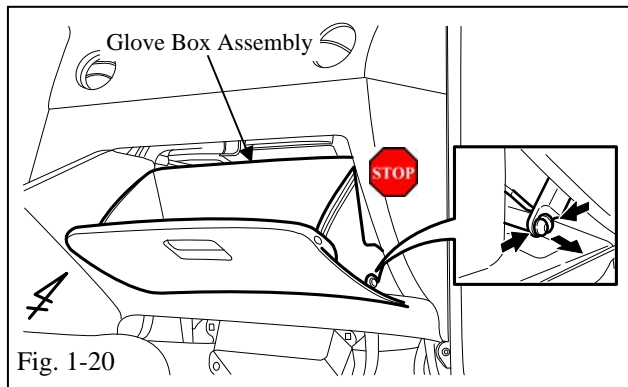
- (1) Do not scratch the cover.





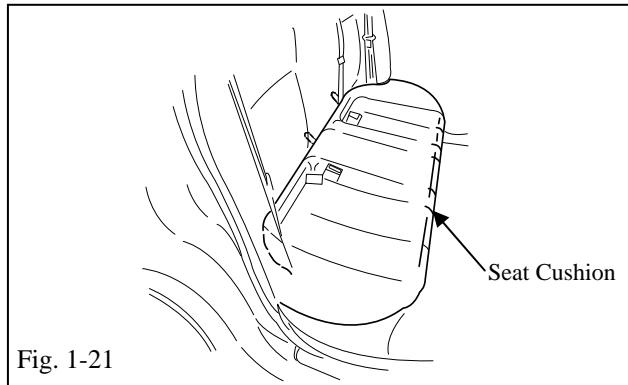
(r) Remove the passenger side cowl cover.
(Fig. 1-19)

- (1) Remove the one nut securing the cover.
- (2) Do not scratch the cover.



(s) Remove the glove box assembly. (Fig. 1-20)

- (1) Do not scratch the glove box assembly.

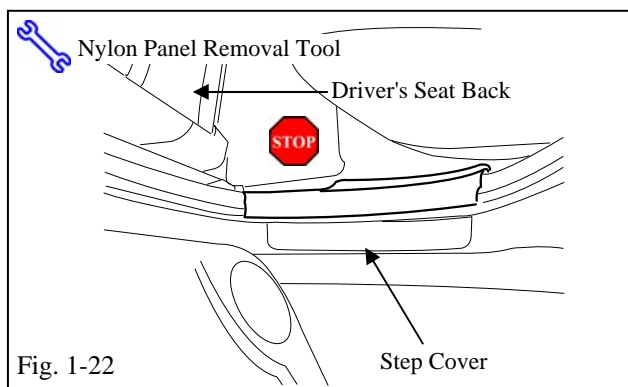


FOR COROLLA MODELS ONLY.

(Steps t-x)

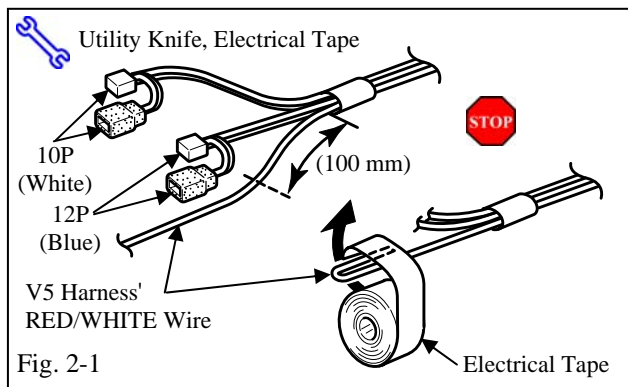
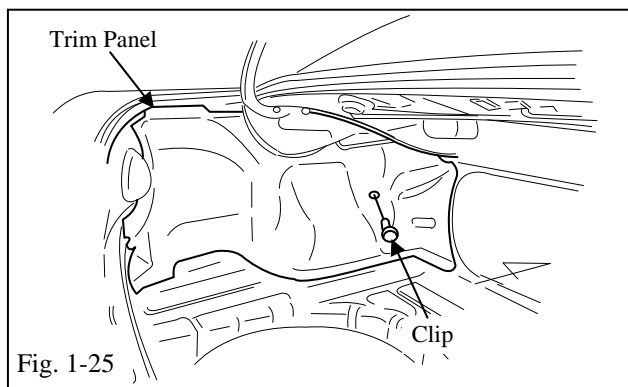
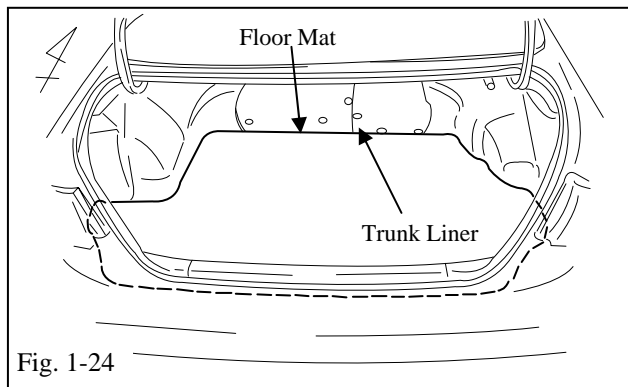
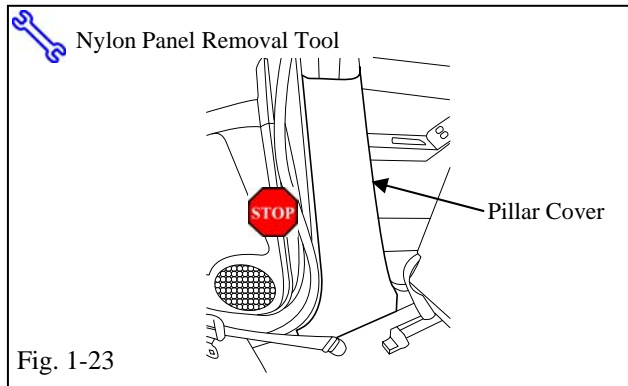
(t) Remove the rear seat cushion. (Fig. 1-21)

- (1) Lift the seat cushion straight upward and disengage the clips located beneath the seat.
- (2) Push the seat belt receptacle through the seat.



(u) Remove the driver side rear passenger step cover. (Fig. 1-22)

- (1) Do not scratch the cover.



(v) Remove the driver's side center pillar cover. (Fig. 1-23)

(1) Do not scratch the cover.

(w) Remove the trunk floor mat. (Fig. 1-24)

(x) Loosen the trunk side trim panel. (Fig. 1-25)

(1) Remove one trim panel clip.

NOTE: For Corolla XRS models only, the trunk liner must be removed from the rear seat back.

2. V5 Wire Harness Installation.

(From Meter Panel area to Trunk area)

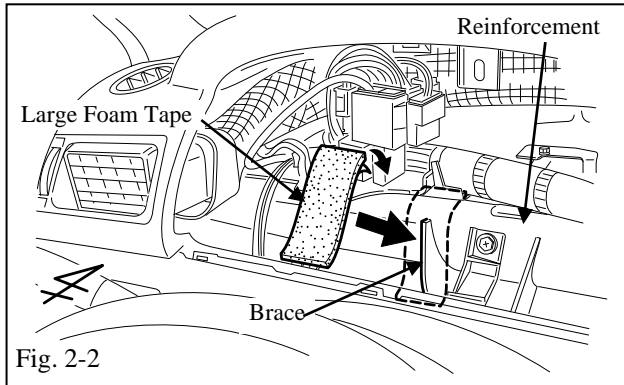
FOR MATRIX MODELS ONLY.

(Step a)

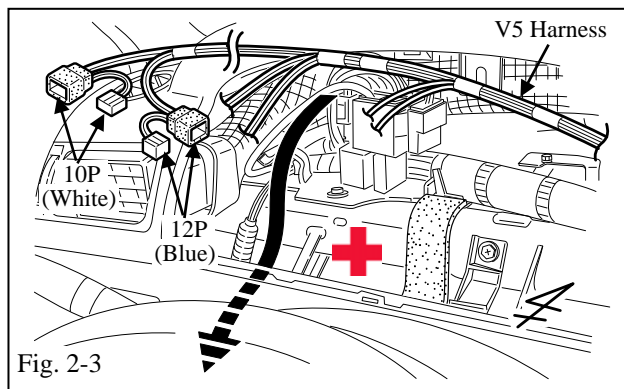
(a) Cut the V5 harness' RED/WHITE wire, and cover the end with electrical tape. (Fig. 2-1)

(1) Cut off the V5 harness' RED/WHITE wire at about 100 mm.

(2) Do not cut the other wires.

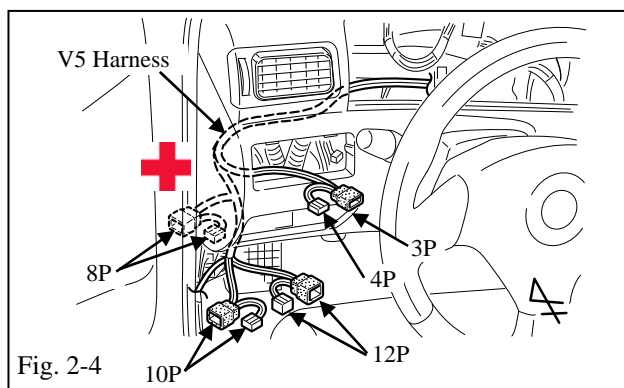


- (b) Cover the weld joint of the steering support brace and the reinforcement with one large strip of foam tape as shown. (Fig 2-2)



- (c) From the meter panel area, route the V5 harness down through the left side of the reinforcement brace above the driver's side J/B. (Fig 2-3)

- (1) Due to the presence of sharp edges, it is recommended that you wear gloves during harness installation.

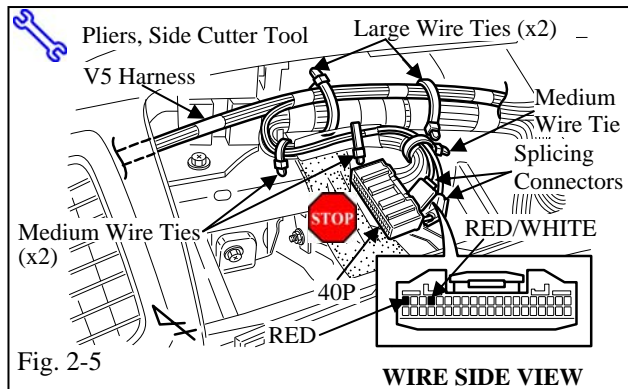


- (d) Route the V5 harness down toward the driver side cowl area as shown. (Fig 2-4)

- (1) Due to the presence of sharp edges, it is recommended that you wear gloves during harness installation.

FOR COROLLA MODELS ONLY.

(Steps e-g)



(e) Locate in the meter panel area the RED wire of the vehicle harness meter panel 40P connector in the top row, first space from the left. Attach the V5 harness' RED wire with a splicing connector. (Fig. 2-5)

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

(2) Verify the correct wire and connector opening is chosen.

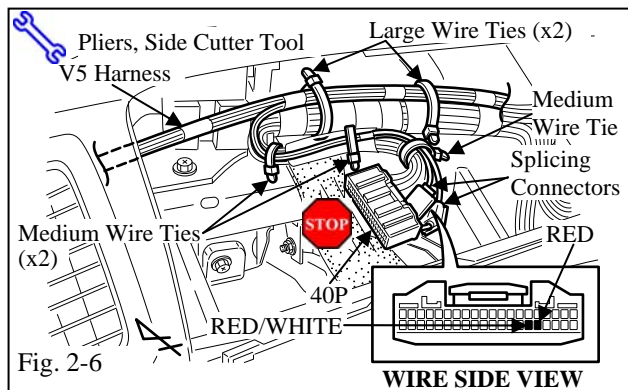
(f) Locate the RED/ WHITE wire in the top row fourth space from the left of the 40P connector. Attach the V5 harness' RED/ WHITE wire with a splicing connector. (Fig 2-5)

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

(2) Verify the correct wire and connector opening is chosen.

(g) Secure the V5 harness RED and RED/WHITE harness to the vehicle harness with three medium wire ties. Secure the V5 harness to the vehicle harness with two large wire ties. (Fig. 2-5)

FOR MATRIX MODELS ONLY.
(Steps h-j)



(h) Locate in the meter panel area the RED/WHITE wire of the meter panel 40P connector in the bottom row, fifteenth space from the left. Attach the V5 harness' RED/WHITE wire with a splicing connector. (Fig. 2-6)

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

(2) Verify the correct wire and connector opening is chosen.

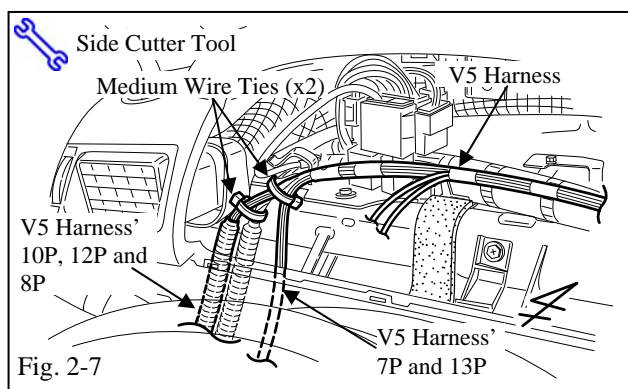
(i) Locate the RED wire of the 40P connector in the bottom row, sixteenth space from the left and attach the V5 harness' RED wire with a splicing connector. (Fig. 2-6)

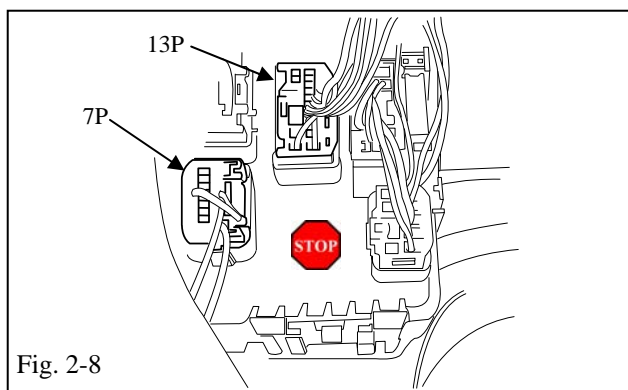
(1) Turn the connector so the wires face you and the tab is on top.

(2) Verify the correct wire and connector opening is chosen.

(j) Secure the V5 harness RED and RED/WHITE harness to the vehicle harness with three medium wire ties. Secure the V5 harness to the vehicle harness with two large wire ties. (Fig. 2-6)

(k) Secure the V5 harness to the vehicle harness with two medium wire ties. (Fig 2-7)

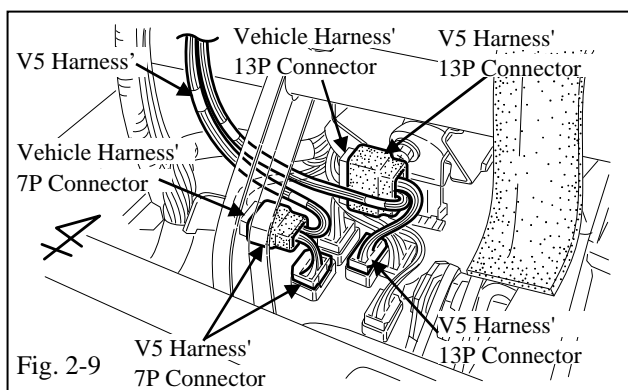




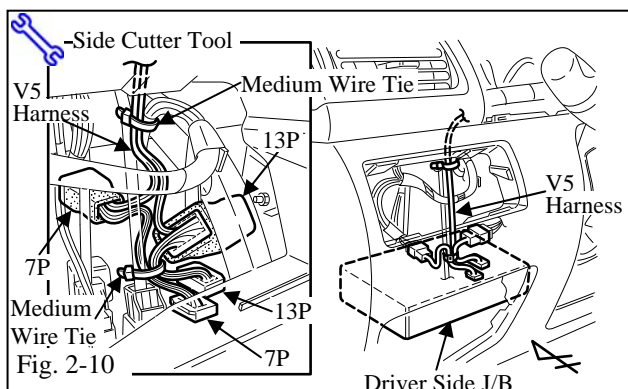
- (l) From the meter panel opening, disconnect the vehicle harness' 13P and 7P connectors from the top of the driver's side J/B. (Fig. 2-8)



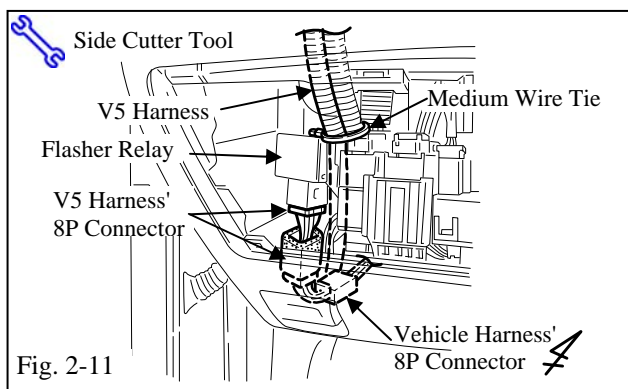
- (1) Do not pull on the wires; pull on the connector.



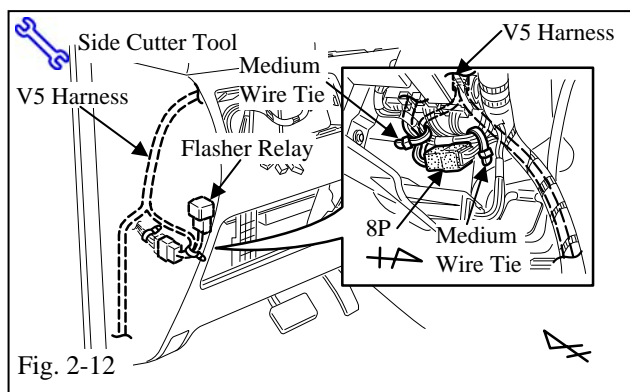
- (m) Plug in the V5 harness' 13P and 7P connectors between the driver side J/B and the vehicle harness. (Fig 2-9)
- (1) Verify the connectors are plugged in securely.



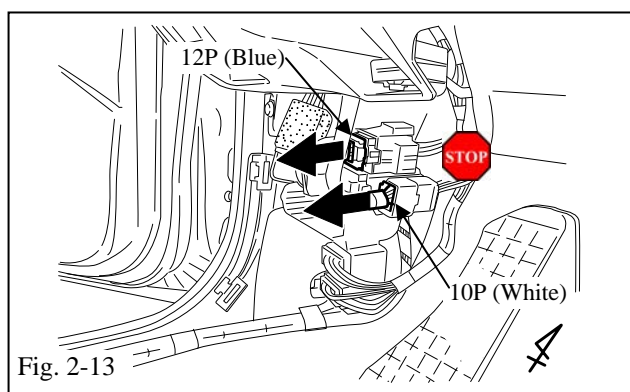
- (n) Secure the V5 harness' 13P and 7P connectors' wires to the vehicle harness with one medium wire tie, and secure the V5 harness to the vehicle harness with one medium wire tie. (Fig 2-10)



- (o) Locate and disconnect the black 8P connector from the flasher relay to the left of the driver side J/B in the accessory box opening. (Fig 2-11)
- (p) Plug in the V5 harness' 8P connectors, between the flasher relay and the vehicle harness' 8P connector, in the accessory box opening. Secure the V5 harness to the vehicle harness with one medium wire tie. (Fig 2-11)



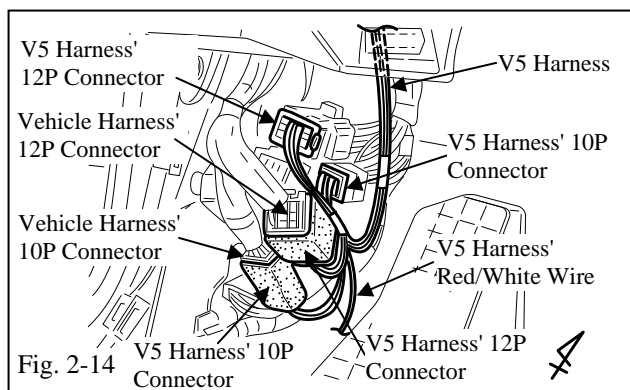
- (q) Secure the black 8P connector to the vehicle harness with two medium wire ties, to the left of the driver side J/B. (Fig. 2-12)



- (r) Locate and disconnect the blue 12P and white 10P connector from the connector block in the driver side cowl area. (Fig. 2-13)



- (1) Do not pull on the wires; pull on the connector.



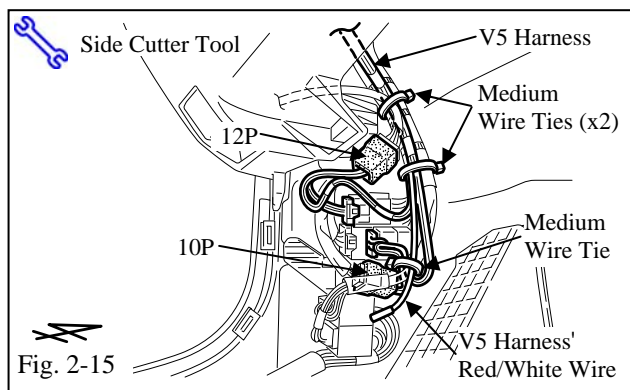
- (s) Plug in the V5 harness blue 12P connector between the vehicle harness 12P connector and the driver side cowl area. Then plug in the V5 harness white 10P connector between the vehicle harness 10P connector and the driver side cowl area. (Fig. 2-14)

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

FOR MATRIX MODELS ONLY.

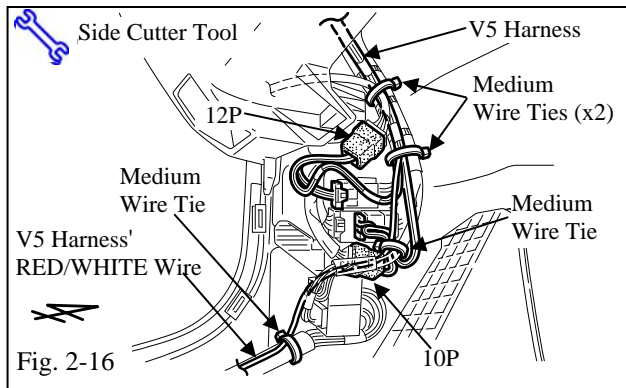
(Step t)

- (t) Secure the V5 harness to the vehicle harness with three medium wire ties. (Fig. 2-15)

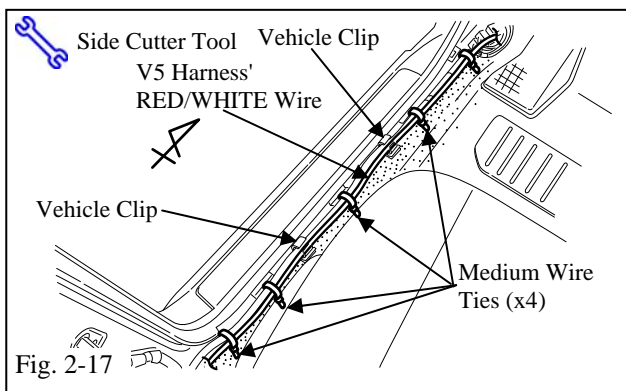


FOR COROLLA MODELS ONLY.

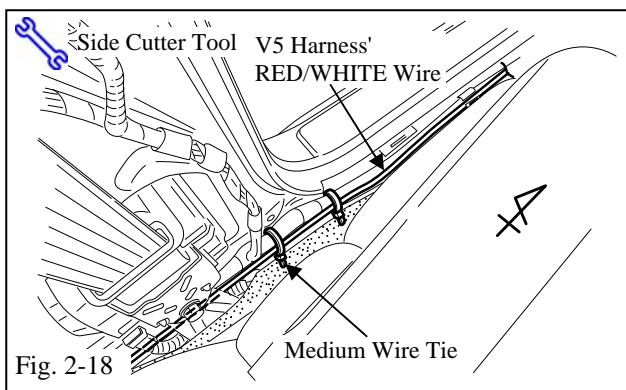
(Steps u-bb)



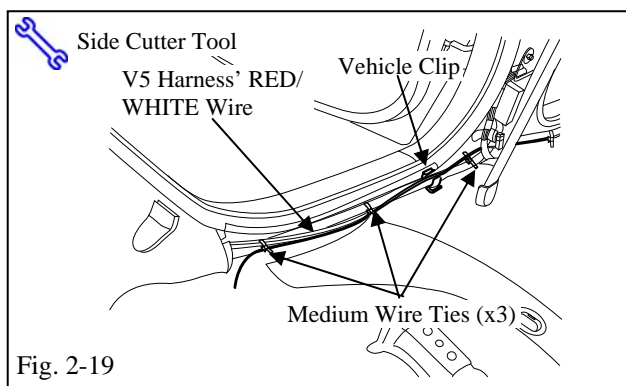
- (u) Locate the RED/WHITE wire from the V5 harness. Secure the RED/WHITE wire from the V5 harness to the vehicle's harness in the driver's side cowl area with four medium wire ties (Fig. 2-16)



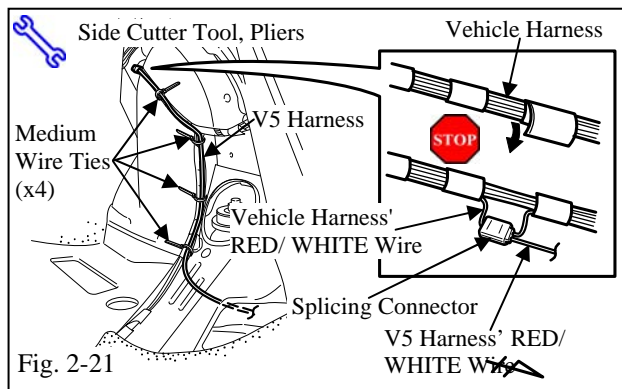
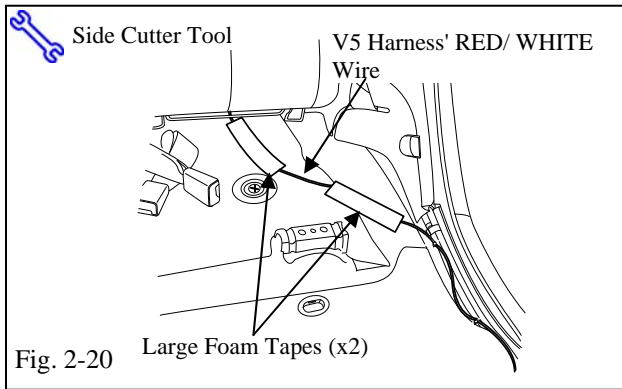
- (v) Route the V5 harness RED/WHITE wire through the driver side step area and secure it to the vehicle harness wire two vehicle clips and four medium wire ties. (Fig. 2-17)



- (w) Continue routing the V5 harness RED/WHITE wire through the driver side pillar area and secure it to the vehicle harness with one medium wire tie. (Fig. 2-18)



- (x) Continue routing the V5 harness RED/WHITE wire back toward the driver's side rear passenger step area. Secure the V5 harness wire to the vehicle harness with one vehicle clip and three medium wire ties. (Fig. 2-19)



(y) Route the V5 harness RED/WHITE wire up toward the driver's side rear passenger seat. Secure the V5 harness wire with two large pieces of foam tape as shown. (Fig. 2-20)

(z) Route the V5 harness RED/WHITE wire under the driver's side rear passenger seat back into the trunk, then route the V5 harness' RED/WHITE wire from the backside of the driver's side rear passenger seat back along the vehicle harness, up toward the fabric trim panel area. (Fig. 2-21)

(aa) Secure the V5 harness to the vehicle harness with four medium wire ties as shown. (Fig. 2-21)

(bb) Locate the RED/WHITE wire from the vehicle harness and attach the V5 harness' RED/WHITE wire with a splicing connector. (Fig. 2-21)



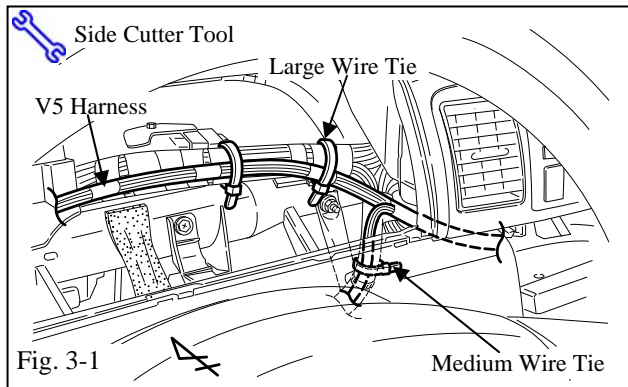
(1) Verify the correct wire is chosen for splicing.

(2) Verify the splicing connector is applied properly.

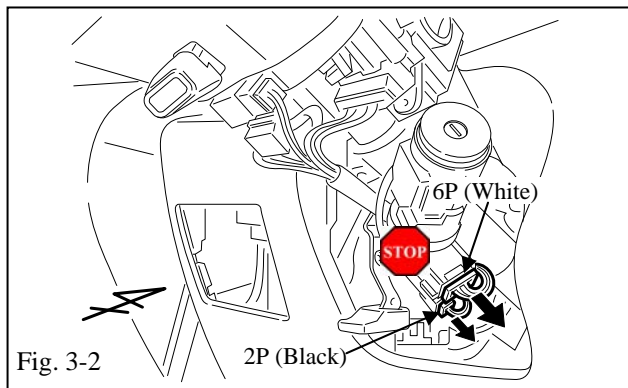
3. V5 Wire Harness Installation.

(From Meter Panel area to Passenger side area)

- (a) From the right side of the meter panel opening, route the V5 harness branch down toward the ignition key cylinder area and center console area. Secure it to the vehicle harness with one large wire tie and one medium wire tie. (Fig. 3-1)

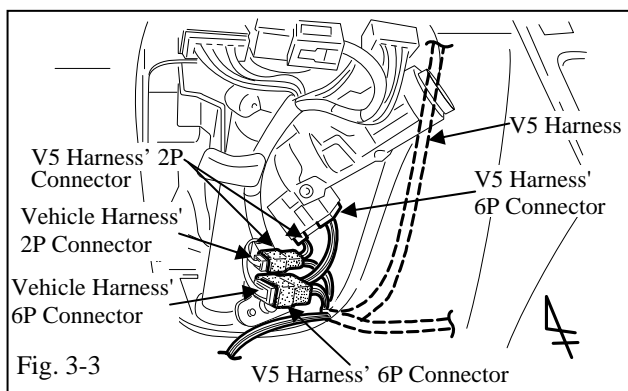


- (b) Locate and disconnect the vehicle harness' black 2P and white 6P connector from the steering column area. (Fig. 3-2)

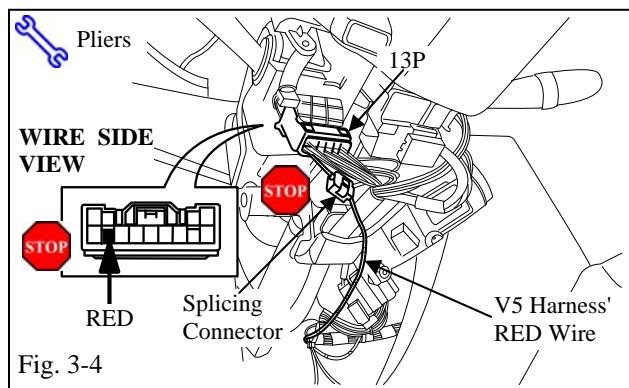


- (1) Do not pull on the wires; pull on the connector.

- (c) Plug in the V5 harness' black 2P connector between the vehicle harness' black 2P connector and the steering column area, then plug in the V5 harness' white 6P connector between the vehicle harness' white 6P connector and the steering column area. (Fig. 3-3)

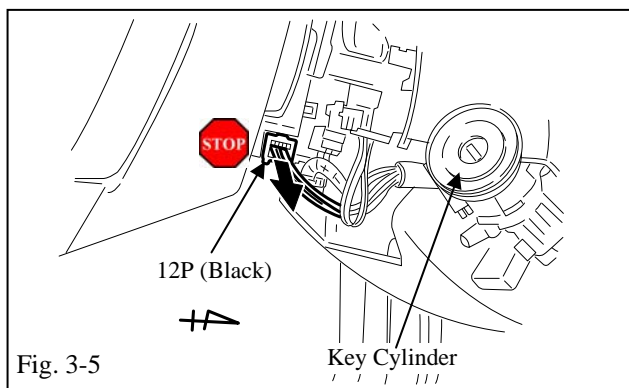


- (1) Verify the connectors are plugged in securely.



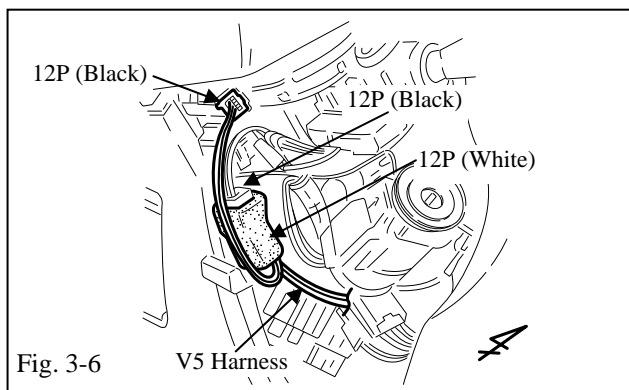
- (d) Locate in the lower steering column area the 13P connector's RED wire in the bottom row, second space from the left, and attach the V5 harness' RED wire with a splicing connector. (Fig. 3-4)

- (1) Turn the connector so the wires face you and the tab is on top.
- (2) Verify the correct wire is chosen for splicing.
- (3) Verify the splicing connector is applied properly.



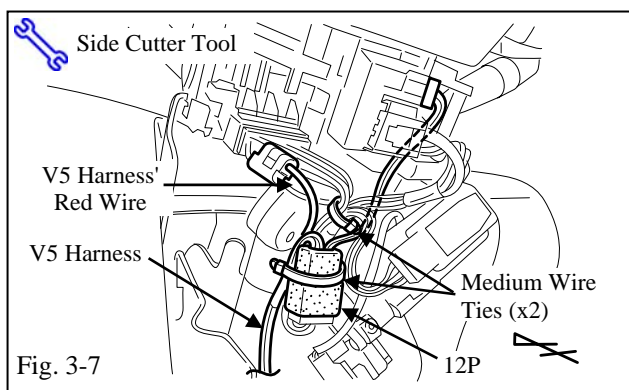
- (e) Disconnect the black 12P connector from the steering column area. (Fig. 3-5)

- (1) Do not pull on the wires; pull on the connector.

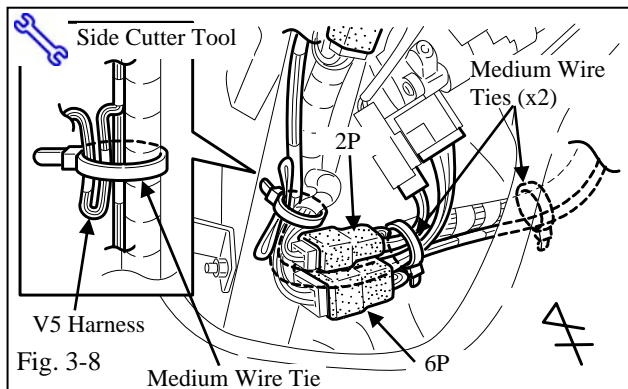


- (f) Connect the V5 harness' white 12P connector to the vehicle harness' black 12P connector, and plug in the V5 harness' black 12P connector to the steering column area. (Fig. 3-6)

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



- (g) Secure the V5 harness' 12P connector and RED wire to the vehicle harness with two medium wire ties. (Fig. 3-7)

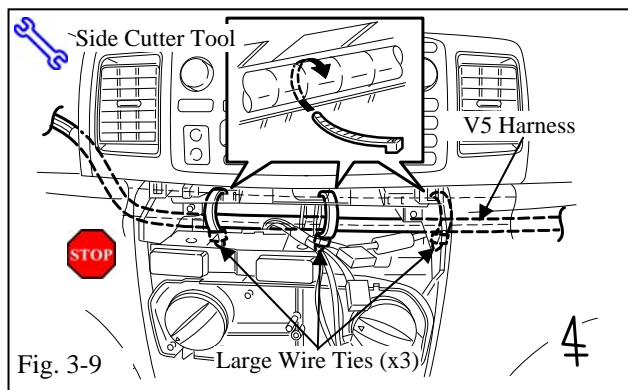


- (h) Secure the V5 harness' 2P and 6P connector wires to the vehicle harness with two medium wire ties. (Fig 3-8)
- (i) Secure the V5 harness excess to the vehicle harness with one medium wire tie. (Fig. 3-8)

FOR COROLLA MODELS ONLY.

(Step j)

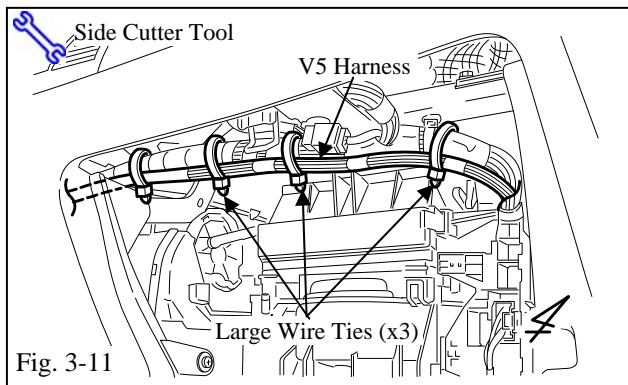
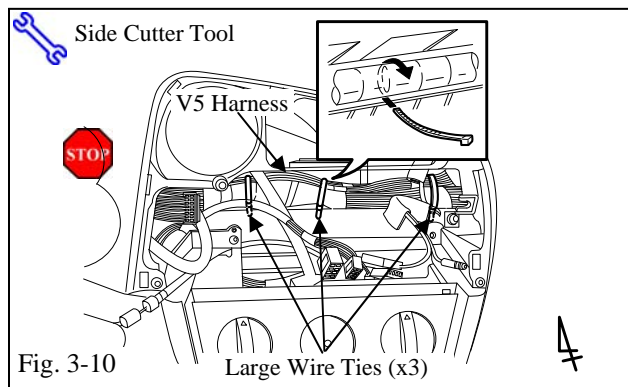
- (j) Route the V5 harness toward the center console area as shown, then secure it to the vehicle harness with three large wire ties behind the heater control unit. (Fig. 3-9)
- (1) Route the V5 harness away from any moving parts such as levers, etc.



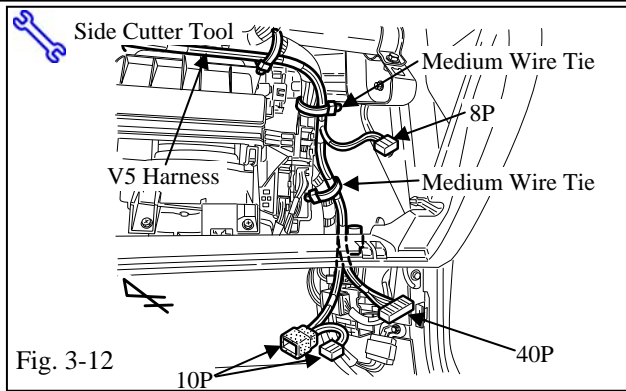
FOR MATRIX MODELS ONLY

(Step k)

- (k) Route the V5 harness toward the center console area as shown, then secure it to the vehicle harness with three large wire ties in the back of the audio unit opening. (Fig. 3-10)
- (1) Route the V5 harness away from any moving parts such as levers, etc.

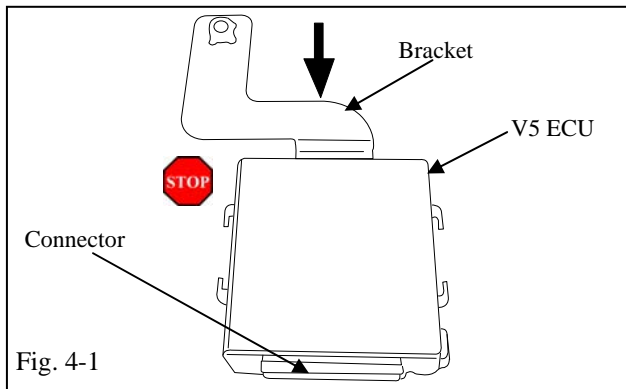


- (l) Route the V5 harness toward the glove box area, then secure it to the vehicle harness with three large wire ties. (Fig. 3-11)

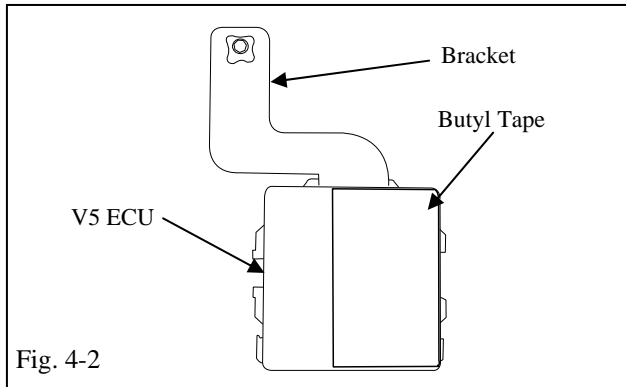


- (m) Route the V5 harness toward the passenger side cowl area, then secure it to the vehicle harness with two medium wire ties.
(Fig. 3-12)

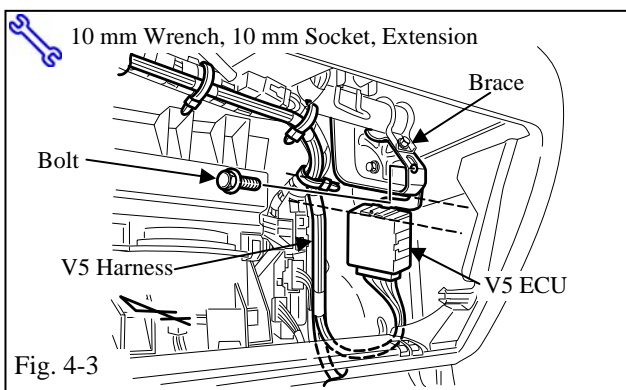
4. V5 ECU Preparation and Installation.



- (a) Insert the ECU mounting bracket into the indicated bracket slot on the V5 ECU.
(Fig. 4-1)
- (1) Insert the mounting bracket into the correct slot; you have only one chance to install it properly.
- (2) Ensure the bracket is firmly attached to the ECU.



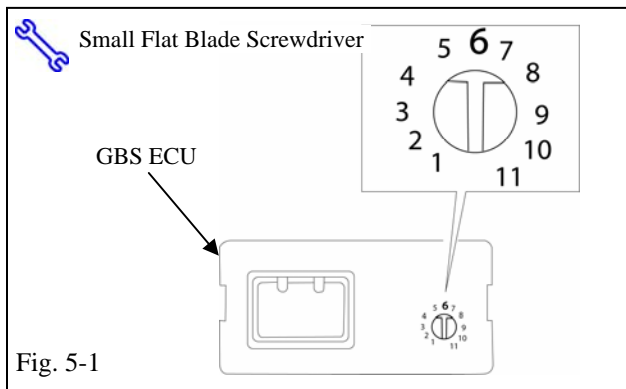
- (b) Apply one piece of butyl tape to the V5 ECU as shown. (Fig. 4-2)



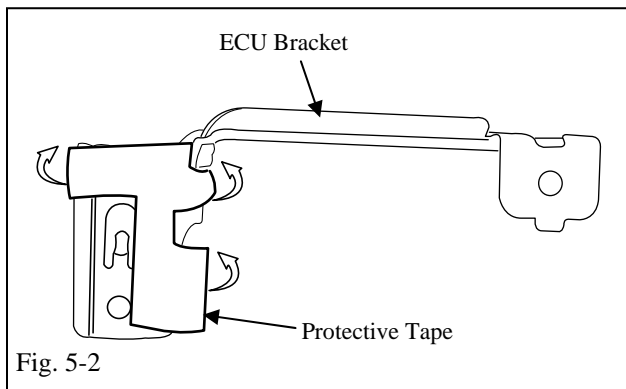
- (c) Install the V5 ECU with the bolt supplied in the kit to the vehicle brace in the upper right portion of the glove box area. (Fig. 4-3)
- (1) The V5 ECU must be installed parallel to the reinforcement fixation metal brace.
- (d) Connect the V5 harness' ECU connector to the V5 ECU. (Fig. 4-3)
- (1) Verify the connector is plugged in securely.

5. GBS ECU Preparation and Installation.

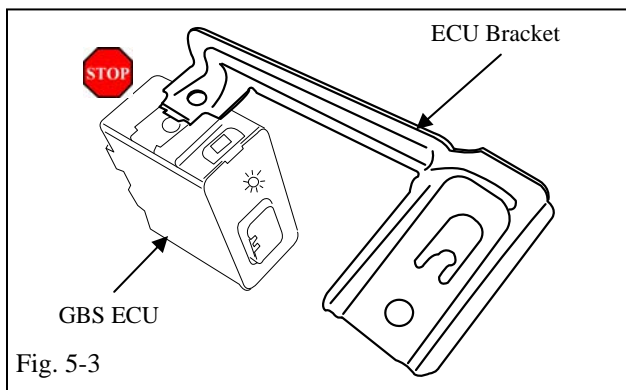
- (a) Turn the adjustment screw on the GBS ECU to the “6” position. (Fig. 5-1)



- (b) Apply the protective tape provided in the kit on the underside of the bracket. (Fig. 5-2)

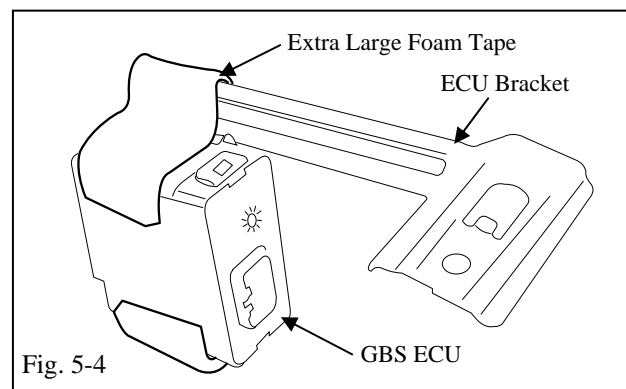


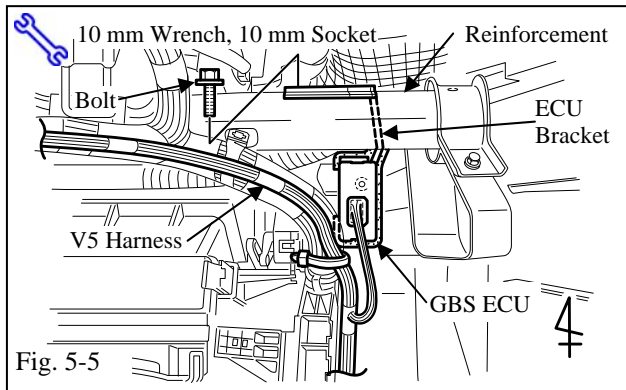
- (c) Insert the ECU mounting bracket into the indicated bracket slot on the GBS ECU. (Fig. 5-3)



- (1) Insert the mounting bracket into the correct slot; you have only one chance to install it properly.
- (2) Ensure the bracket is firmly attached to the ECU.

- (d) Apply one extra long piece of foam tape on the bracket and GBS ECU as shown. (Fig. 5-4)



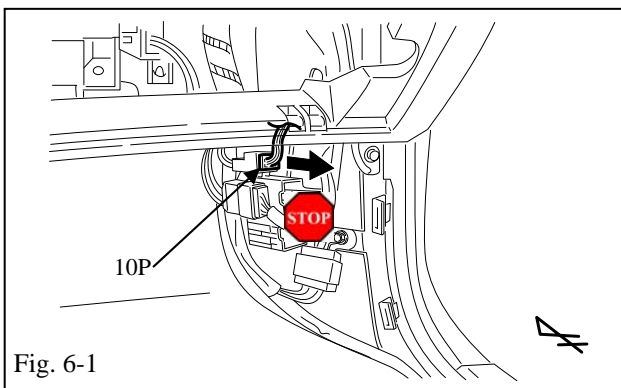


- (e) Connect the V5 harness' GBS ECU connector to the GBS ECU. Install the GBS ECU by inserting the ECU with the bracket on top, ECU connector plug in facing you, into the glove box area, behind the reinforcement fixation. Place the ECU bracket on the topside of the reinforcement and attach with the bolt supplied in the kit. (Fig. 5-5)

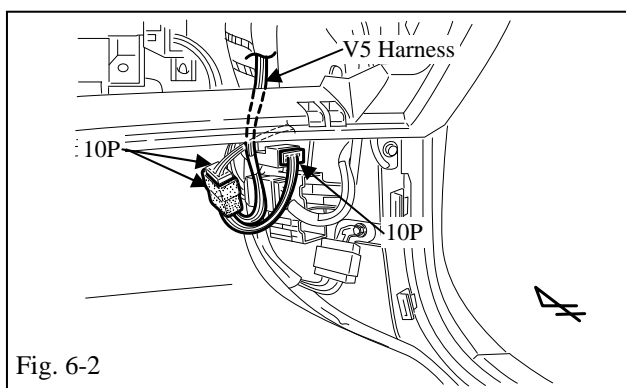
- (1) Verify the connectors are plugged in securely.
- (2) Angle the bolt head toward the rear of the vehicle to start thread engagement.

6. V5 Wire Harness Installation. (Passenger side cowl area)

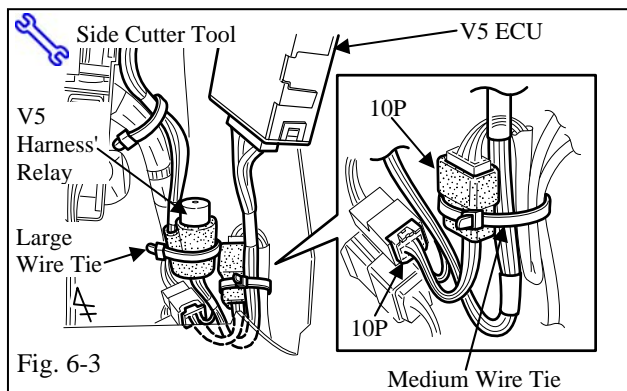
- (a) Locate and disconnect the white 10P connector from the passenger side cowl area. (Fig. 6-1)



- (1) Do not pull on the wires; pull on the connector.



- (b) Plug in the V5 harness' white 10P connector between the vehicle harness' 10P connector and the passenger side cowl area. (Fig. 6-2)
- (1) Verify the connectors are plugged in securely.



- (c) Route the V5 harness on the right side of the 10P connector. Then arrange the V5 harness' relay as shown, and secure it to the vehicle harness with one large wire tie. (Fig 6-3)
- (d) Secure the V5 harness' 10P connector and excess to the vehicle harness with one medium wire tie. (Fig. 6-3)

7. Status Monitor Installation.

FOR COROLLA MODELS ONLY

(Step a)

- (a) Remove the immobilizer indicator in the cluster panel, first space from the right. Then insert the status monitor into the knockout space. (Fig. 7-1)

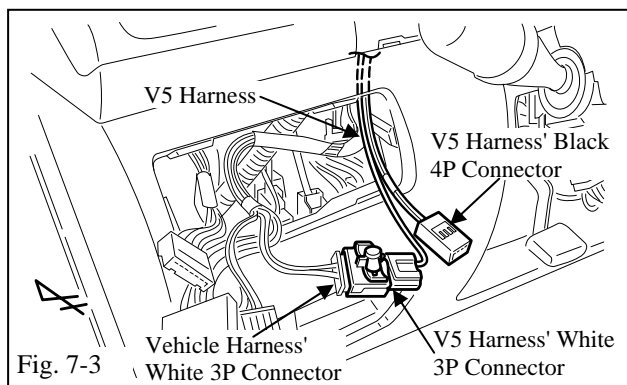
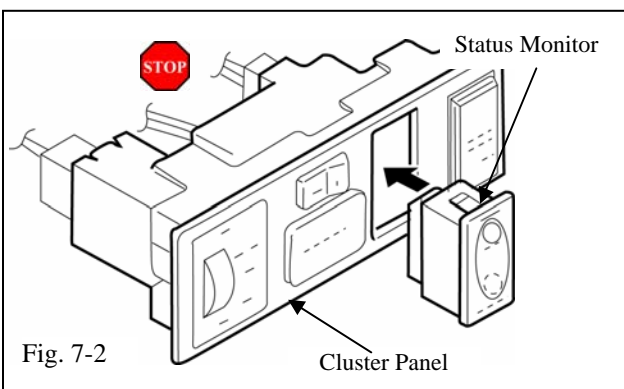
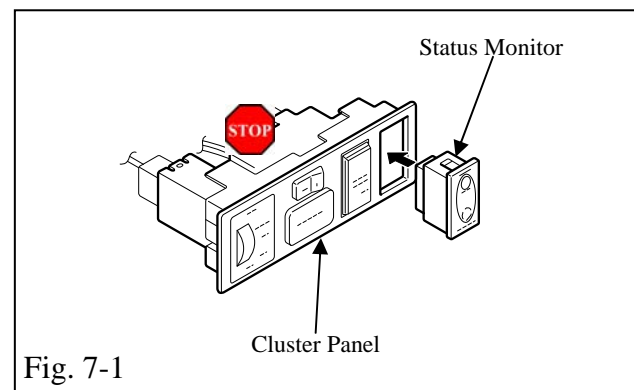
- (1) Do not scratch the panel.

FOR MATRIX MODELS ONLY

(Step b)

- (b) Remove the immobilizer indicator in the cluster panel, second space from the right. Then insert the status monitor into the knockout space. (Fig. 7-2)

- (1) Do not scratch the panel.



- (c) Connect the V5 harness' 3P connector to the vehicle harness' 3P connector. (Fig. 7-3)

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

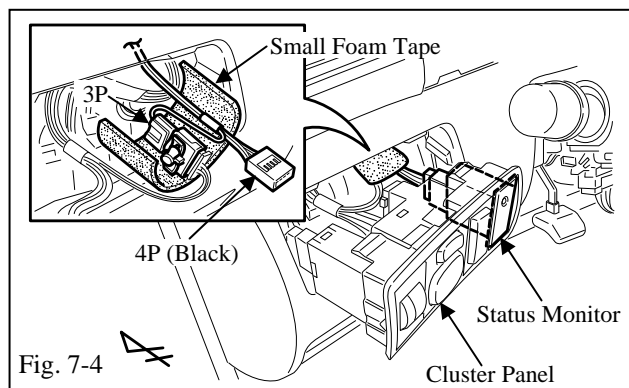


Fig. 7-4

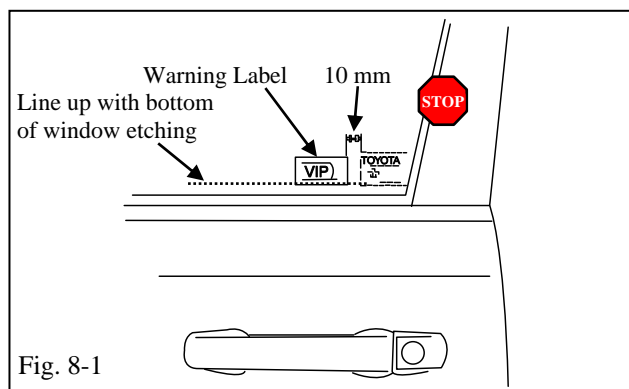


Fig. 8-1

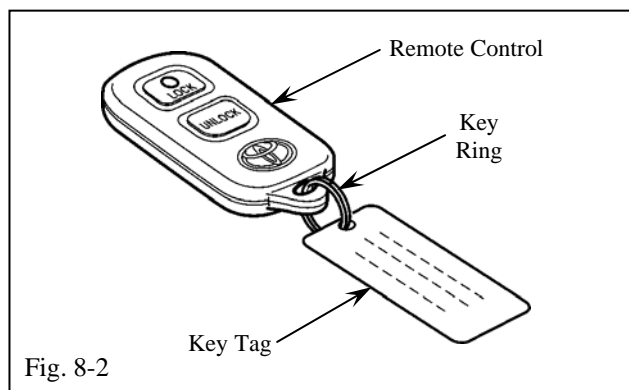


Fig. 8-2

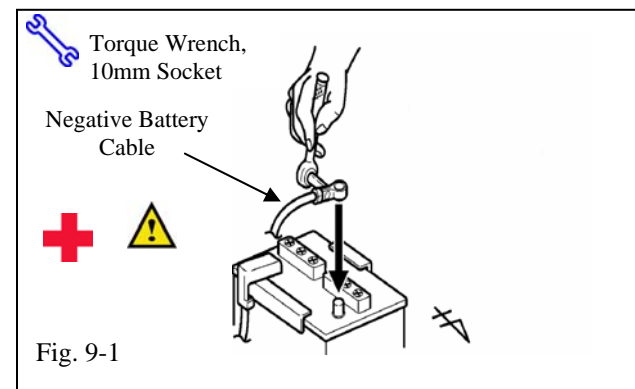


Fig. 9-1

(d) Connect the V5 harness' 4P connector to the status monitor' 4P connector. (Fig. 7-4)

(1) Verify the connectors are plugged in securely.

(e) Wrap the 3P connector and the V5 harness' 4P connector wires with one small strip of foam tape, then insert into the cluster panel opening. (Fig. 7-4)

8. Warning Label Installation.

(a) Clean the inside surface of the front door's windows. (Fig. 8-1)

(b) Place the warning label on the inside surface of the front door's windows as shown. (Fig. 8-1)

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

(2) Do not touch the adhesive surface of the warning labels.

(c) Attach the key tag to the remote control key's ring. (Fig. 8-2)

9. 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) Clean up and remove any trash.

(c) Reconnect the vehicle's negative battery cable. (Fig. 9-1)

(1) Position the negative battery cable at the original factory position. (Fig. 9-1)



(2) Tighten the nut with 4.1 N-m (36 lbf-in) of torque.



(3) Be careful not to touch the positive battery terminal.

(d) Place the owner's manual and warranty card, left in their protective bags, in the glove box.

Checklist - these points **MUST** be checked to ensure a quality installation.Check:Accessory Function Checks**Fit appropriate fuse before beginning.**

- ☐ Press and release the remote control's lock button to start the system's arming process.

- ☐ Wait 30 seconds.

- ☐ Press and release the remote control's unlock button to disarm the system.

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.

- ☐ Arm and disarm the system with the remote again, then wait 30 seconds.

- ☐ Press and release the remote control's unlock button again to stop the arming process.

- ☐ Insert the key into the driver's door key cylinder and turn it toward the front of the vehicle to start the arming process.

- ☐ Wait 30 seconds.

Look For:

1. The turn signal lights flash once.
All doors lock.
The Status Monitor's LED lights up.
2. After 30 seconds, the LED starts flashing;
the system is now armed.
3. The turn signal lights flash twice.
The driver's door unlocks.
The LED stops flashing.
4. The doors automatically relock.
The system automatically starts the arming process.
5. Refer to step # 3.
6. All doors lock.
The LED lights up.
7. After 30 seconds, the LED starts flashing;
the system is now armed.

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

Check:

- ☐ Reach inside and manually unlock the driver's door to trigger an alarm.

- ☐ Manually unlock the driver's door again and hold it unlocked, open the door, then sit in the driver's seat.

- ☐ Insert the key into the ignition switch and turn it to "START" to stop the alarm.

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

- ☐ 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.

- ☐ Wait 30 seconds.

- ☐ Reach inside and manually unlock the front passenger's door to trigger an alarm.

Look For:

- 8. The driver's door automatically relocks.
The horn sounds repeatedly.
The headlights flash repeatedly.
The turn signal lights flash repeatedly.
The LED lights up.

- 9. The driver's door lock attempts to lock repeatedly.
The horn continues to sound repeatedly.
The headlights and turn signal lights continue flashing.
The LED remains on.

- 10. The horn stops sounding.
All the lights stop flashing and/ or turn off.
The LED turns off.
The starter cranks and the engine starts.

- 11. All doors lock.
The LED lights up.

- 12. After 30 seconds, the LED starts flashing; the system is now armed.

- 13. The front passenger's door automatically relocks.
The horn sounds repeatedly.
The headlights flash repeatedly.
The turn signal lights flash repeatedly.
The LED lights up.

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

Check:

- ☐ Press and release the remote control's unlock button to stop the alarm.
- ☐ 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.
- ☐ Unlock and open one of the rear passenger doors to trigger an alarm.
- ☐ Repeat the above steps with the other rear passenger door and back door (if equipped).

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

- ☐ Press and release the remote control's lock button to start the arming process.
- ☐ Wait 30 seconds.

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

- ☐ With the tip of key, tap the center of the driver's door window to trigger the "warn away" alarm.

Look For:

- 14. The horn stops sounding.
All the lights stop flashing.
The LED turns off
 - 15. Refer to steps #1 and #2.
 - 16. Refer to step #13.
 - 17. Refer to steps #15 and #16.
 - 18. Refer to step # 1.
 - 19. After 30 seconds, the LED starts flashing;
the system is now armed.
 - 20. The horn sounds repeatedly.
The headlights flash repeatedly.
The turn signal lights flash repeatedly.
The LED lights up.
- NOTE:** Adjust as necessary by increasing the GBS setting to the next level if the alarm does not trigger during the functional verifications.
- NOTE:** If you do not disarm the system, the alarm will last 20 seconds. *It is not necessary to check the alarm duration.*

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

Check:	Look For:
<input type="checkbox"/> Insert the key into the driver's door key cylinder and turn it toward the back of the vehicle to stop the alarm.	The horn stops sounding. All the lights stop flashing and/or turn off. The status monitor's LED turns off.
<u>Vehicle Function Checks</u>	
<input type="checkbox"/> Head Lights <input type="checkbox"/> High Beams <input type="checkbox"/> Turn Signal Lights <input type="checkbox"/> Tail Lights <input type="checkbox"/> Stop Lights <input type="checkbox"/> Backup Lights <input type="checkbox"/> Hazard Lights <input type="checkbox"/> Marker Lights <input type="checkbox"/> Dome/Courtesy/Map Lights <input type="checkbox"/> Panel/Switch Illumination <input type="checkbox"/> Accessory Controls/Illumination (if equipped) <input type="checkbox"/> Key Sensor Buzzer <input type="checkbox"/> Fog Lights (if equipped) <input type="checkbox"/> Daytime Running Lights (if equipped) <input type="checkbox"/> Trunk/Tailgate/Bed Lights (if equipped) <input type="checkbox"/> Glove Box Light (if equipped) <input type="checkbox"/> Cruise Control Light (if equipped)	Functioning Head Lights Functioning High Beams Functioning Turn Signal Lights Functioning Tail Lights Functioning Stop Lights Functioning Backup Lights Functioning Hazard Lights Functioning Marker Lights Functioning Dome/Courtesy/Map Lights Functioning Controls/Illumination Functioning Accessory Functioning Key Sensor Functioning Fog Lights Functioning DR Lights Functioning Lights Functioning Glove Box Light Functioning Cruise Control Light

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)
- ☐ Power Sunroof (if equipped)
- ☐ Horn
- ☐ Gauges
- ☐ Front Wiper/Washer
- ☐ Rear Wiper/Washer (if equipped)
- ☐ Clock (if equipped)

Look For:

Functioning Seatbelt 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 Sunroof

Functioning Horn

Functioning Gauges

Functioning Front Wiper/Washer

Functioning Rear Wiper/Washer

Functioning Clock

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

Check:

- ☐ Accessory Power Socket (if equipped)
- ☐ Starter
- ☐ Audio/Video (if equipped)
- ☐ Power Sliding Door (if equipped)
- ☐ Convenience Memory Settings (if equipped)
- ☐ Heated Seats (if equipped)
- ☐ Massage Seats (if equipped)
- ☐ Rear Window Defogger (if equipped)
- ☐ Power Side Mirrors (if equipped)
- ☐ Side Mirror Defogger (if equipped)
- ☐ Front Windshield Defogger (if equipped)
- ☐ Navigation System (if equipped)
- ☐ Steering Column Check (if equipped)
- ☐ Tire Pressure Warning Light

Remove the appropriate fuse after checks are completed.

Look For:

Functioning Power Socket

Functioning Starter

Functioning Audio/Video

Functioning Power Sliding Door

Functioning Memory Settings

Functioning Heated Seats

Functioning Massage Seats

Functioning Rear Window Defogger

Functioning Power Side Mirrors

Functioning Side Mirror Defogger

Functioning Front Windshield Defogger

Functioning Navigation System

Functioning Steering Column

Functioning Tire pressure Warning Light