2016-

**TVIP V4** 

**PREPARATION** 

#### **Part Number: PT398-60160**

#### **Kit Contents**

| Item # | Quantity | Description  |
|--------|----------|--------------|
| 1      | 1        | RES ECU      |
| 2      | 1        | RES Bracket  |
| 3      | 1        | Wire Harness |

#### **Hardware Bag Contents Additional**

| Item# | Quantity | Description                 |  |  |  |
|-------|----------|-----------------------------|--|--|--|
| 1     | 10       | Wire Ties                   |  |  |  |
| 2     | 1        | Extra Large Wire Tie        |  |  |  |
| 3     | 1        | Waterproof Sheet            |  |  |  |
| 4     | 1        | Double Sided Tape           |  |  |  |
| 5     | 1        | Foam Tape                   |  |  |  |
| 6     | 2        | Foam Tape (Large)           |  |  |  |
| 7     | 2        | Window Label (English)      |  |  |  |
| 8     | 2        | Window Label (Spanish)      |  |  |  |
| 9     | 2        | Key Tag (English)           |  |  |  |
| 10    | 2        | Key Tag (Spanish)           |  |  |  |
| 11    | 1        | Engine Room Label (English) |  |  |  |
| 12    | 1        | Engine Room Label (Spanish) |  |  |  |
| 13    | 1        | V4 Owner's Guide            |  |  |  |

#### **Additional Items Required For Installation**

| Item# | Quantity | Description |
|-------|----------|-------------|
|       |          |             |

#### **Conflicts**

## **Recommended Tools**

| Personal & Vehicle        | Description                   |
|---------------------------|-------------------------------|
| Protection                | -                             |
| Safety Glasses            |                               |
| Safety Gloves             | (Optional)                    |
| Vehicle Protection        | Blankets                      |
| Special Tools             |                               |
| Techstream                | Use latest version on TIS     |
| <b>Installation Tools</b> |                               |
| Screwdriver               | #2 Phillips                   |
| 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), |
|                           | Airbag: 108 in•lbf (12 N•m)   |
| Tape                      | Clear                         |
| Socket                    | 10mm, extension               |
| <b>Special Chemicals</b>  |                               |
| Cleaner                   | VDC Approved Cleaner          |

### **General Applicability**

2016- MY Land Cruiser

**Recommended Sequence of Application** 

| Item# | Quantity | Description |
|-------|----------|-------------|
|       |          |             |
|       |          |             |

#### **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



TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

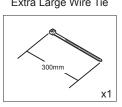


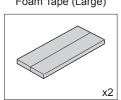
**REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

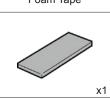


S/ SAFETY TORQUE: This mark indicates that torque is related to safety.

#### **Kit Contents** Service Part #'s **RES ECU RES ECU Bracket** V4 Harness Waterproof Sheet Double Sided Tape Wire Tie 200mm x1 х1 x10 PT398-60160-AA Extra Large Wire Tie Foam Tape (Large) Foam Tape Key Tag Window Label Engine Room Label

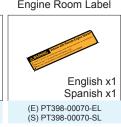






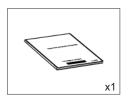






**TVIP V4** 

Owner's Guide



#### Accessory Installation Practice (read before installation)

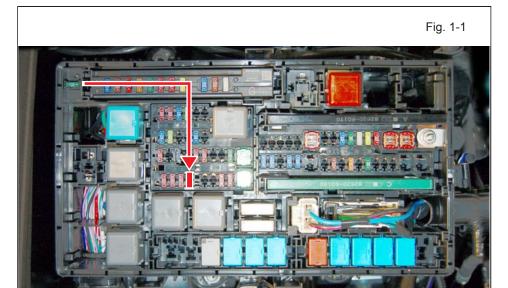
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.)

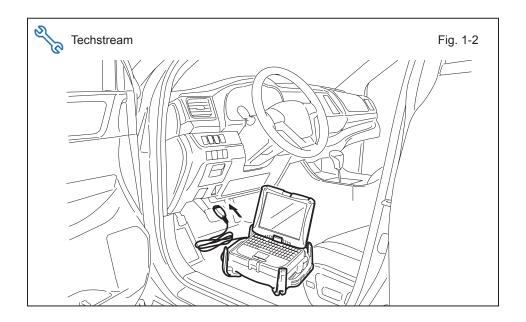
Please see your TOYOTA dealer for a copy of this document.



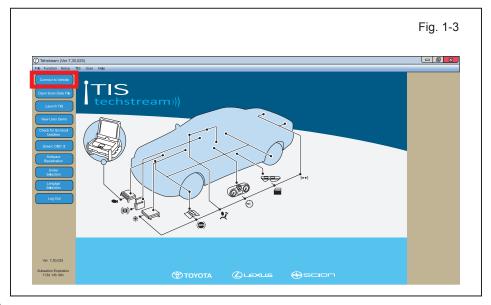
## 1. VI-DCM Setting Procedure

- a. Verify the D/C Cut Fuse (30A) is installed.
  - · If not, install in the location shown.

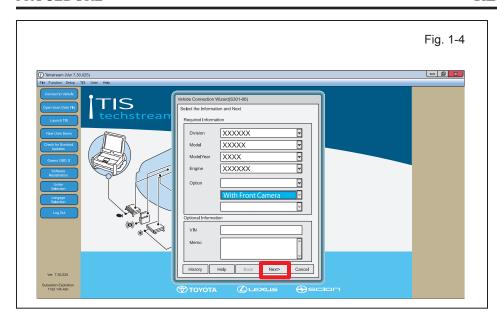
**TVIP V4** 



- b. Connect the Techstream Notebook to the Vehicle's Diagnostic Port.
- c. Turn the Ignition Switch to "ON" position.



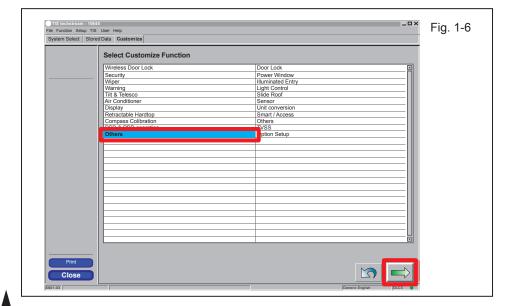
- d. Start the TIS Techstream
   Application by clicking on the shortcut located on the Desktop.
- e. Click "Connect to Vehicle."



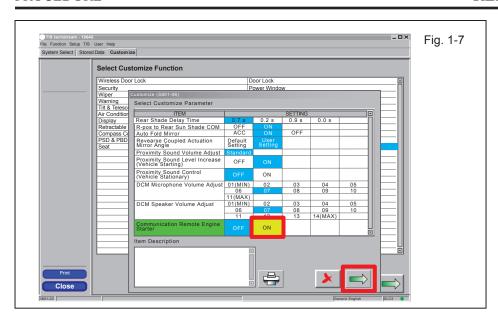
- f. Confirm that the information displayed on the Vehicle Connection Wizard is correct for the vehicle. If not, verify that the Techstream is properly connected.
- g. Select option that applies to the Vehicle.
- h. Click "Next>."

| System Select Store | d Data            |                 |                    |              |                    |  | _        |
|---------------------|-------------------|-----------------|--------------------|--------------|--------------------|--|----------|
|                     | System Selection  | on Menu         |                    |              |                    |  |          |
|                     | Air Conditioner   | SRS Airbag      | Main Body          | Back Door    | D Door Motor       | Sliding Roof                                     | <u> </u> |
|                     | Combination Meter | Main Body       | *Accessory Gateway | *Driver Door | *Passenger Door    | Driver Seat                                      |          |
|                     | *Sliding Roof     | Tilt&Telescopic | Combination Meter  | Mirror       | Occupant Detection |  |          |
| Health Check        |                   |                 |                    |              |                    | <del>                                     </del> |          |
| Customize           |                   |                 |                    |              |                    |  |          |
| Setting             | l                 |                 |                    |              |                    |  |          |
| ECU                 |                   |                 |                    |              |                    |  |          |
| Reprogramming       |                   |                 |                    |              |                    |  |          |
| CAN                 |                   |                 |                    |              |                    |  |          |
| Bus. Check          |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     | II———             |                 |                    |              |                    |  |          |
|                     | II                |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    | <u> </u>   |          |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  | <b>코</b> |
|                     |                   |                 |                    |              |                    |  |          |
|                     |                   |                 |                    |              |                    |  |          |
| Print               |                   |                 |                    |              |                    |  |          |

i. Click "Customize Setting."



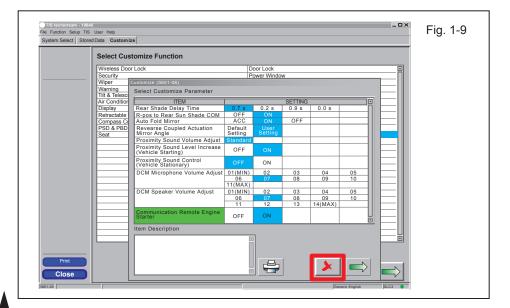
- j. Select "Others."
- k. Click



- I. Locate "Communication Remote Engine Starter"
  - If this parameter is not available, skip to Step 1p.
- m. Select "ON."
- n. Click

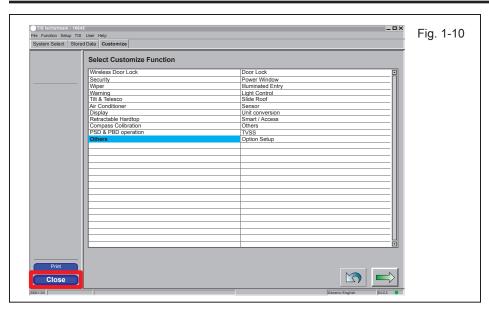
| System Select   Stored |                   | tomize Function                                |                            |         |          |          |   |  |
|------------------------|-------------------|--|----------------------------|---------|----------|----------|---|--|
|                        | Wireless Door     |  | Door Loc                   | 1.      |          |          |   |  |
|                        |                   | LOCK   |                            |         |          |          |   |  |
|                        | Security<br>Wiper | Customize (S601-06)                            | Power W                    | indow   |          |          |   |  |
|                        | 144 .             |  |                            |         |          |          |   |  |
|                        | Tilt & Telesco    | Select Customize Parameter                     |                            |         |          |          |   |  |
|                        | Air Condition     | ITEM I   |                            | SETTING |          |          |   |  |
|                        | Display           | Rear Shade Delay Time                          | 0.7 s 0.2                  |         | 0.0 s    |          |   |  |
|                        | Retractable       | R-pos to Rear Sun Shade COM                    | OFF OI                     |         |          |          |   |  |
|                        | Compass Co        | Auto Fold Mirror                               | ACC 01                     |         |          |          |   |  |
|                        | PSD & PBD         | Revearse Coupled Actuation<br>Mirror Angle     | Default Us<br>Setting Sett | er      |          | - 11     |   |  |
|                        | Seat              |  | Standard                   | ilig    |          |          |   |  |
|                        | _                 |  | Statiuaru                  |         | _        |          |   |  |
|                        | _                 | Proximity S<br>(Vehicle St Customize (S601-07) |                            |         |          | - 11     |   |  |
|                        |                   | Proximity S<br>(Vehicle St. Press Next to make |                            |         |          |          |   |  |
|                        |                   |  | the selected custo         | mize    |          |          |   |  |
|                        |                   | DCM Micro changes                              |                            |         | 04       | 05       |   |  |
|                        |                   |  |                            |         | 09       | 10       |   |  |
|                        | -                 | DCM Speal Nex                                  | t Cano                     | el I    | 04       | 05       |   |  |
|                        | _                 | DCM Speal                                      | - Curic                    | <u></u> | 09       | 10       |   |  |
|                        |                   |  | 11 12                      | 1 13    | 14(MAX)  |          |   |  |
|                        |                   | Communication Remote Engine                    | 0.55                       |         |          |          |   |  |
|                        |                   | Starter  | OFF ON                     |         |          | <u> </u> |   |  |
|                        |                   | Item Description                               |                            |         |          |          |   |  |
|                        |                   | Item Description                               |                            |         |          |          |   |  |
|                        |                   |  | A                          |         |          |          | V |  |
|                        |                   |  |                            |         |          |          |   |  |
|                        |                   |  |                            |         |          |          |   |  |
| Print                  |                   |  |                            | 3.      | <b>S</b> |          |   |  |
|                        |                   |  |                            | _       | <b>─</b> |          |   |  |

o. Click "Next" to accept the changes to the Vehicle.



p. Click

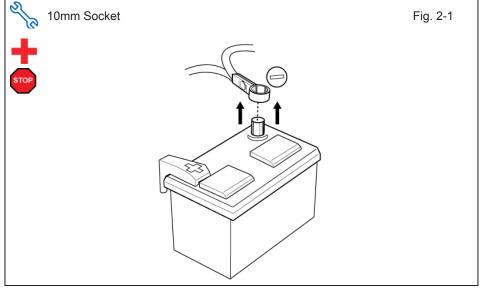
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q. Click "Close."



- Disconnect the Negative Battery Terminal for more than 5 seconds.
  - Note the Battery Cable Position as it will be re-installed in the same position.
- CAUTION: Do not touch the Positive Terminal.



### 2. Preparation.



**NOTE:** Ensure VI-DCM Setting Procedure was completed.

- a. Place the Vehicle in Park with the Parking Brake set.
- b. Disconnect the Negative Battery Terminal.
  - Note the Battery Cable Position as it will be re-installed in the same position.

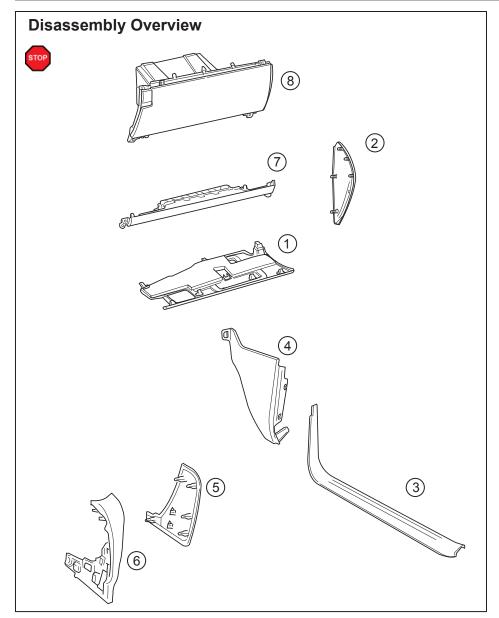


**CAUTION:** Do not touch the Positive Terminal.

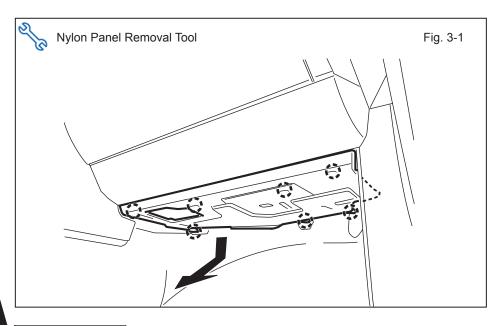


**NOTE:** Ensure all disassembled Vehicle Parts are thoroughly inspected.

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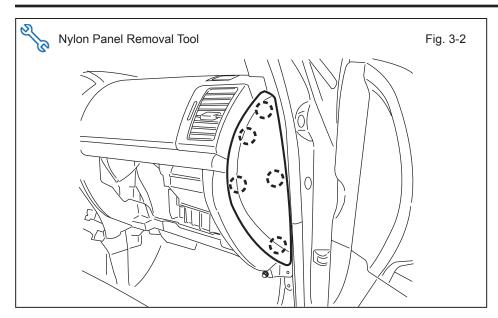
|    | 1  | Glove Box Under Cover                   |
|----|----|---|
|    | 2  | PS Dash Cover                           |
|    | 3  | PS Step Cover                           |
|    | 4  | PS Cowl Cover                           |
|    | 5  | PS Knee Panel                           |
|    | 6  | PS Cluster Side Panel                   |
|    | 7  | PS Knee Airbag                          |
|    | 8  | Glove Box                               |
|    |    |   |
|    |    |   |
|    |    |   |
|    |    |   |
|    |    |   |
|    |    |   |
| ST | OF | sconnect all Corresponding<br>nnectors. |



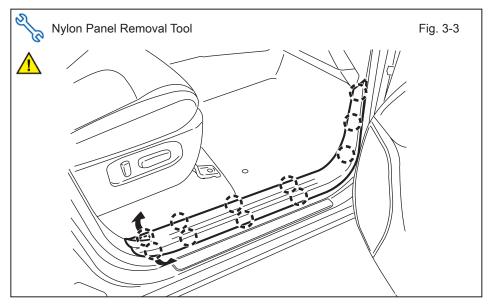
## 3. Vehicle Disassembly.

- a. Dislodge the Glove Box Under Cover.
  - · Disconnect all Connectors.

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- b. Remove the Passenger's Side Dash Cover.
  - · Apply protective Tape on pry area.



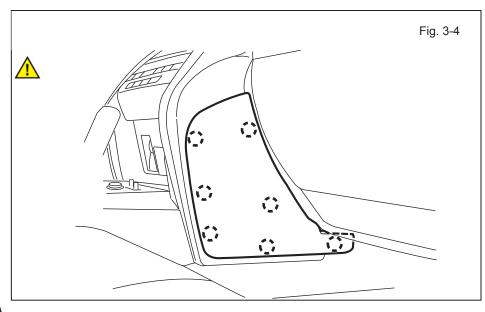
- c. Remove the Passenger's Side Step Cover.
  - Disconnect All Connectors.



**NOTE:** Prevent bending the Passenger's Side Step Cover.



**NOTE:** Ensure Illuminator connectors are disconnected if present.

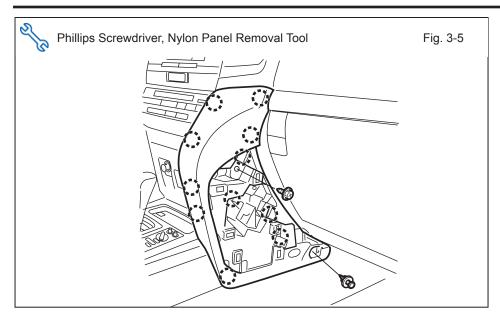


d. Using your hands, remove the Passenger's Side Knee Panel.

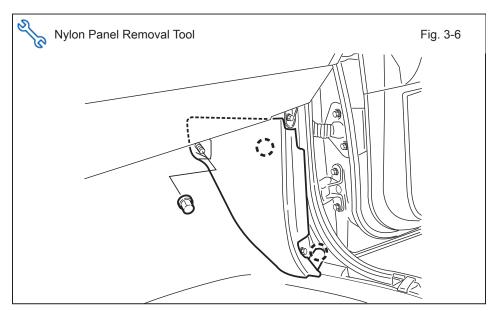
<u>/î</u>

**CAUTION:** Avoid using excessive force when removing the Passenger's Side Knee Panel to prevent damage.

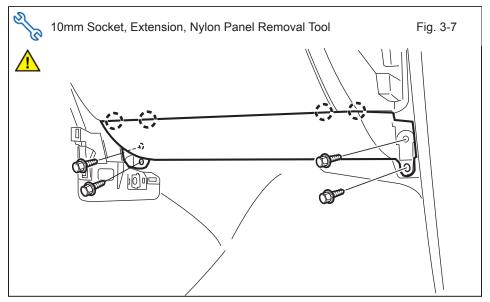
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- e. Remove the Passenger's Cluster Side Panel.
  - · Remove 1 Screw and 1 Clip.



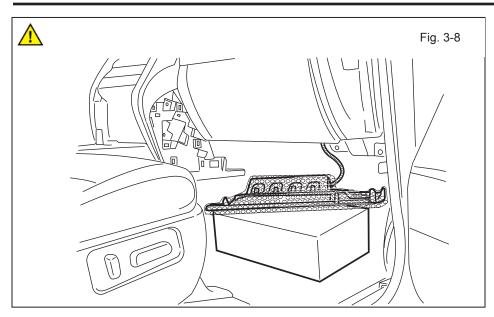
- f. Remove the Passenger's Side Cowl Cover.
  - · Remove 1 Nut.



- g. Dislodge the Passenger's Knee Airbag carefully.
  - · Remove 4 Bolts.

**CAUTION:** Do not disconnect the Vehicle's Airbag Connector.

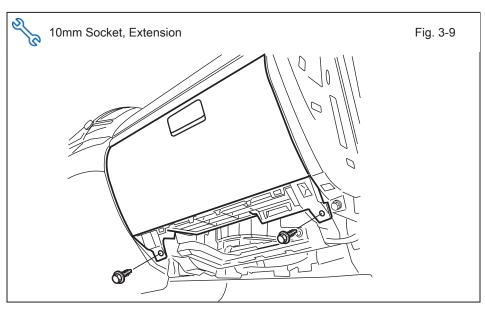
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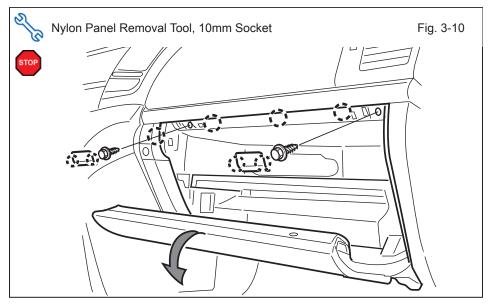
h. Wrap the Airbag in a Blanket or the like and place it on top of the TVIP box.



**CAUTION:** Prevent stress on the Airbag Harness.



 Remove 2 Bolts from the bottom of the Glove Box.



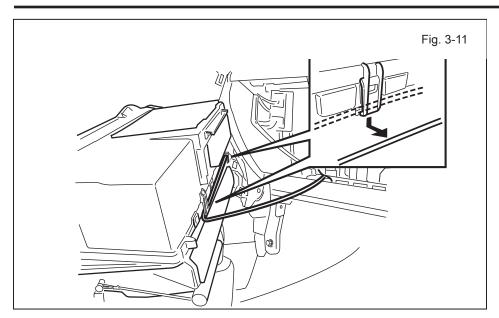
 Open the Glove Box Door, then remove 2 Bolt Covers.



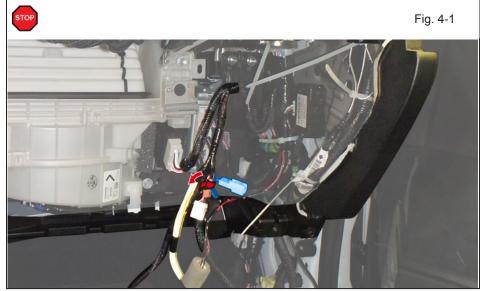
**NOTE:** Temporarily remove contents inside of Glove Box and ensure contents are put back in Fig. 6-1.

- k. Dislodge the Glove Box.
  - · Remove 2 Bolts.

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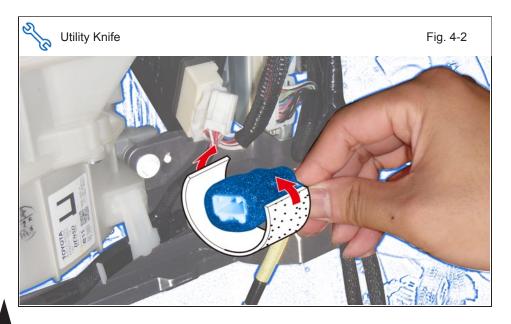


- I. Remove the Vehicle Harness from the backside of the Glove Box, remove the Glove Box.
  - · Disconnect any Connectors.

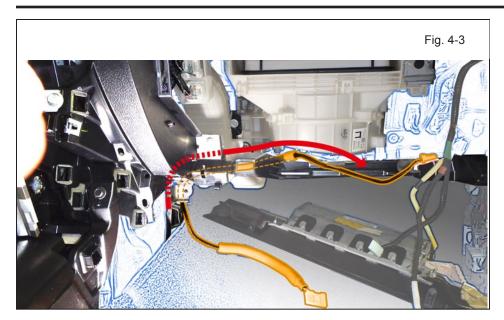


#### 4. V4 Harness Installation.

- NOTE: Ensure all RES Kit Contents are thoroughly inspected.
  - a. Locate the Vehicle's 5P White Pre-Connector and remove the tape securing it.

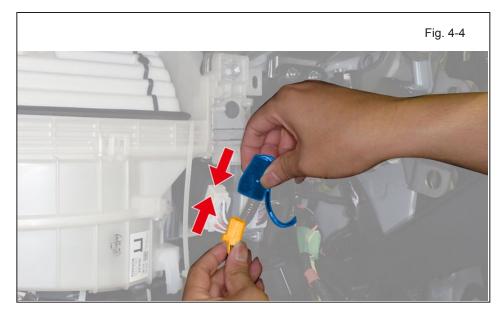


- b. Cut Small Foam Tape in Half.
- c. Use the Half Small Foam Tape to wrap the Vehicle's 5P Pre-Connector.

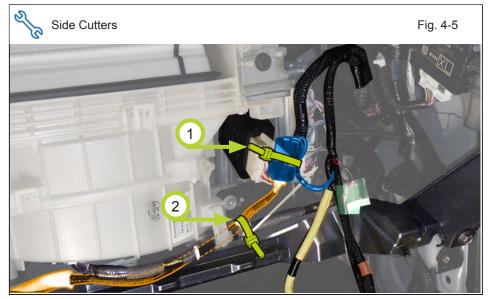


d. Route the V4 Harness toward the Glove Box area.

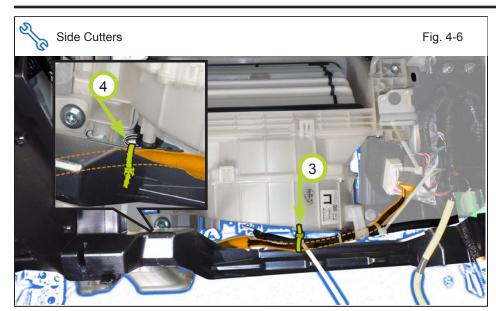
**TVIP V4** 



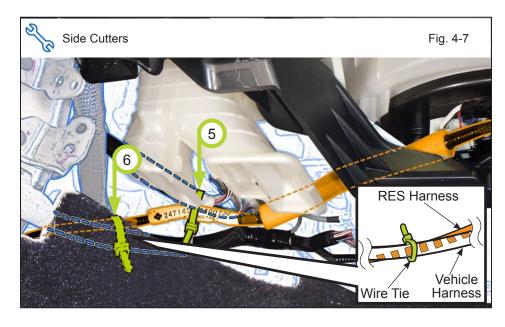
e. Connect the V4 5P White Connector to the Vehicle's 5P Pre-Connector.



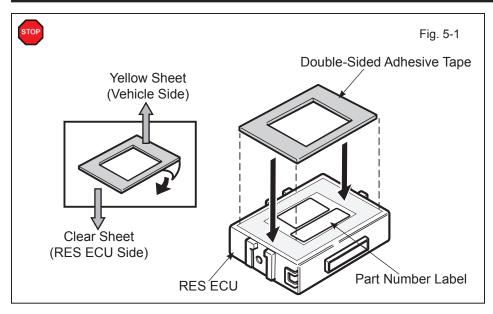
- f. Secure the 5P White Connectors to the Vehicle Harness with 1 Wire Tie.
- g. Secure the V4 Harness to the Vehicle Harness using 1 Wire Tie.



- h. Secure the V4 Harness to the Vehicle Harness with 1 Wire Tie.
- Secure the V4 Harness to the Vehicle Bracket Hole with 1 Wire Tie.



j. Secure the V4 Harness to the Vehicle Harness using 2 Wire Ties as shown.



# 5. RES ECU Preparation and Installation.

 Remove the Clear Protective Sheet from the Double Sided Tape.

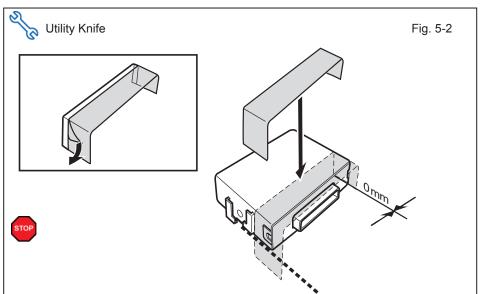
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- Attach Double Sided Tape to the Part Number Label side of the RES ECU as shown.
  - Apply the Clear Sheet side on the RES ECU.
  - Attach adhesive tape on the part number label side of the RES ECU. Make sure not to cover the Part Number Label with the adhesive tape.



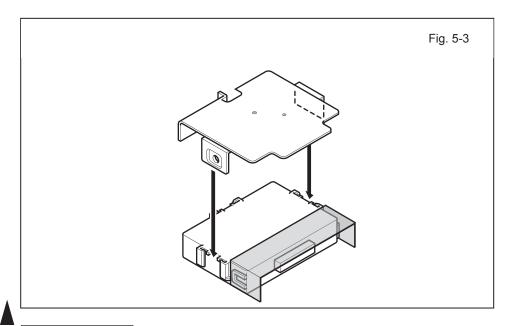
**CAUTION:** Do not touch the adhesive surface.



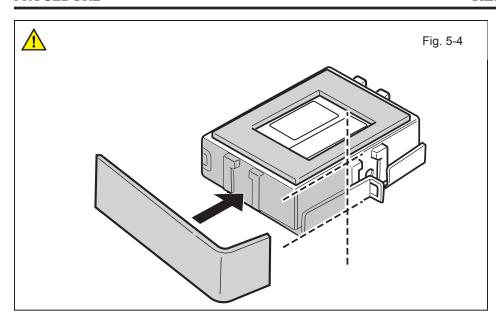
- c. Remove the Backing Sheet from the Waterproof Sheet.
- d. Attach Waterproof Sheet to one corner of the RES ECU near the connector as shown, then cut the excess Waterproof Sheet.



**CAUTION:** Do not touch the adhesive surface.



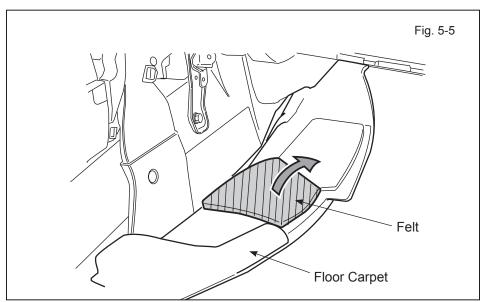
- e. Insert the RES ECU Bracket into the indicated Bracket Slots on the RES ECU.
  - Ensure the Bracket is firmly attached to the ECU.



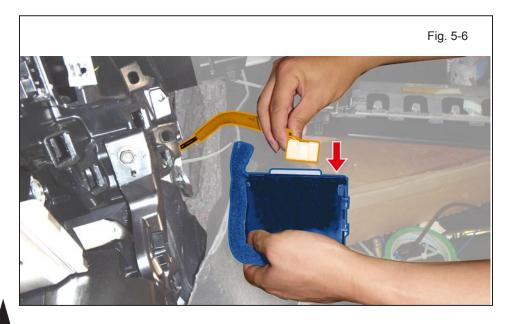
f. Apply Large Foam Tape Piece to the RES ECU as shown.



 Ensure Large Foam Tape corners line up with the RES ECU Bracket Slot corner.

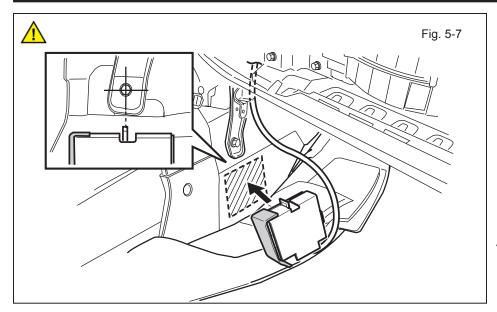


- g. Turn over the Floor Carpet on the left side of the Passenger's Side Area.
- h. Pull back the Felt on the backside of the Floor Carpet as shown.
  - Do not remove or cut off the Felt.



i. Connect the V4 Harness 24P White Connector to the RES ECU.

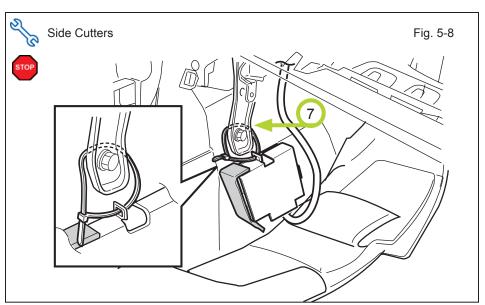
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- Using the VDC approved cleaner and Cleaning Method, clean the area indicated on the left side of the Passenger's Lower Console area.
- k. Remove the Protective Sheet of the Double Sided Tape.
- Center the RES ECU Bracket to Vehicle's Bolt as shown. Then press the RES ECU firmly to the Vehicle.

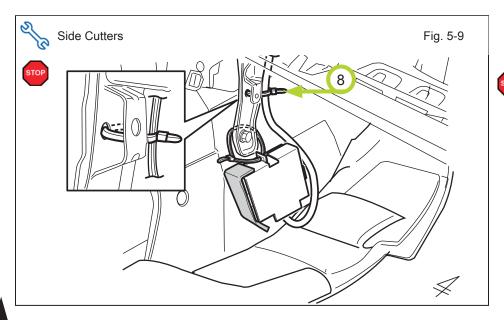


NOTE: Do not attempt to reposition the ECU once placed.



- m. Run an Extra Large Wire Tie through the RES ECU's rectangular hole and behind the Vehicle Brace to secure it.

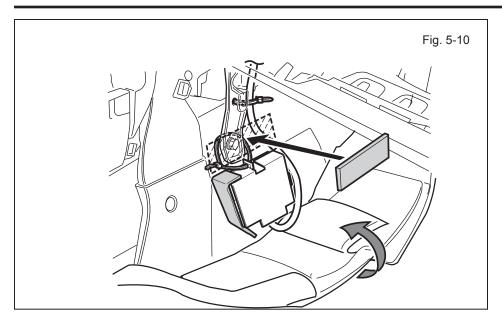
NOTE: Do not tighten the Wire Tie, it should hang freely.



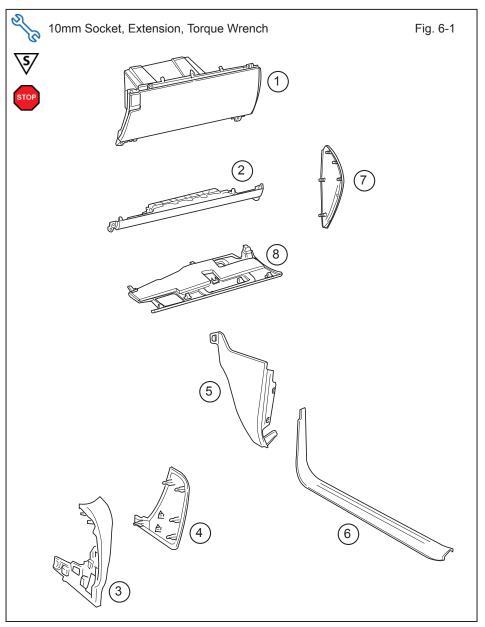
- n. Secure the V4 Harness to the inner Vehicle Brace with 1 Wire Tie.

NOTE: Do not use the front hole of the Vehicle Brace.

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- o. Attach 1 Large Foam Tape to the Vehicle's Brace and the V4 Harness as shown.
- p. Put the Floor Carpet back.



#### 6. Registration Preparation.

a. Finish reassembling the Vehicle.



**NOTE:** When reinstalling Knee Airbag, make sure to torque the Bolts.



Torque: 12 N•m (108 in•lbf)



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

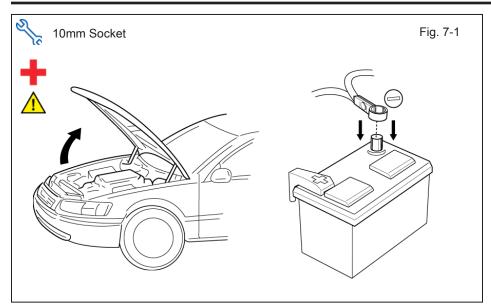


**NOTE:** Put back removed contents inside Glove Box.

| 1    | Glove Box                 |  |
|------|---------------------------|--|
| 2    | PS Knee Airbag            |  |
| 3    | PS Cluster Side Panel     |  |
| 4    | PS Knee Panel             |  |
| 5    | PS Cowl Cover             |  |
| 6    | PS Step Cover             |  |
| 7    | PS Dash Cover             |  |
| 8    | Glove Box Undercover      |  |
| L Da | connect all Corresponding |  |

TOP C

Reconnect all Corresponding Connectors.



#### 7. Registration.

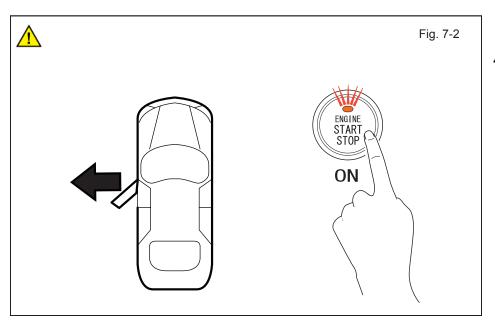
- a. Open the Hood.
- b. Temporarily reconnect the Negative Battery Cable.



**CAUTION:** Do not touch the Positive Terminal.



**NOTE:** Position the Negative Battery Cable and Torque the Negative Battery Terminal after the registration is completed.

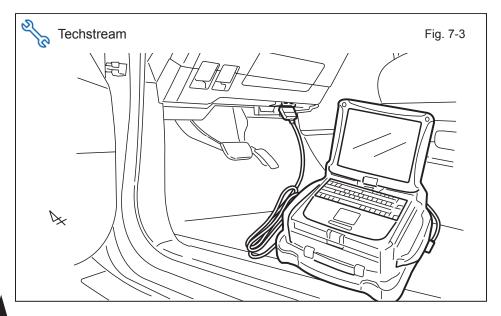


c. Open the Driver's Side Door.



**CAUTION:** Leave the Door open until the registration is completed.

d. With the Smart Key in your possession, press the "Engine Start Stop" Button twice to select the Ignition "ON" position.

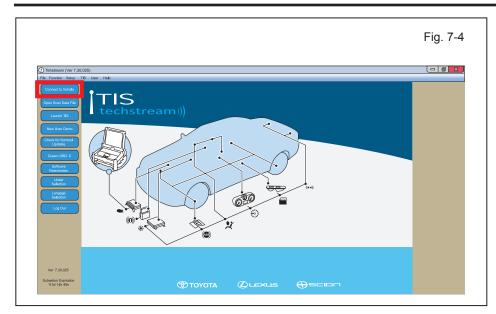


e. Connect the Techstream Notebook to the Vehicle's Diagnostic Port.

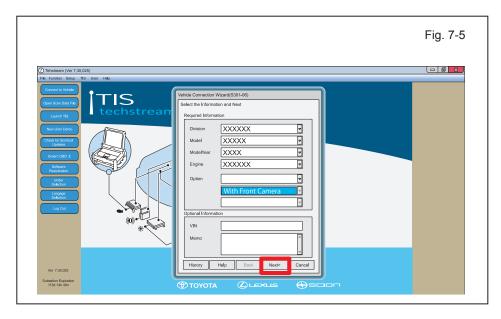
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## **REMOTE ENGINE STARTER (RES)**



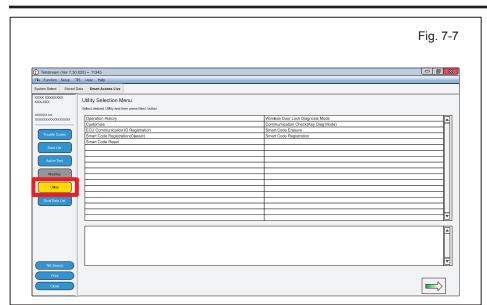
- f. Start the TIS Techstream Application by clicking on the shortcut located on the Desktop.
- g. Click "Connect to Vehicle."



- h. Confirm that the information displayed on the Vehicle Connection Wizard is correct for the vehicle. If not verify that the Techstream is properly connected.
- i. Select option that applies to the Vehicle.
- j. Click "Next>."

| System Selection Menu Select observed systems and their press the arrow button to access the ECU  Figure  Theoretical State unknown  Theoretical State St |  |
|--|--|
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| VGRS Lane Departure Alent DRS Air Conditioner SRS Airbag Main Body Gateway Accessory Gateway D-Door Motor P-Door Motor R-Door Motor Dever Seat Master Switch All Selectors Combination Meter Mirror L Mirror R Institute PAIN H. Mutotuceveling  | System Selection Menu Sixted Selected system and then press the streme button to access the ECU System White-West Cut communication OK System White-West Cut communication OK System White-ECU communication OK System Selection Menu System System Selection Menu System System Selection Menu System System Selection Menu System System Selection Menu System  |
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| VGRS Lane Departure Alent DRS Air Conditioner SRS Airbag Main Body Gateway  Accessory Gateway D-Door Motor P-Door Motor RL-Door Motor RR-Door Motor Driver Seat Master Switch  | COX.XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  |
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|  | COX.XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  |
| Forme and ECT   Cruise Control   Lair suspension   Lars/VSC/TRAC   Four Wheel Drive   Tire Pressure Monitor   EMPS   | System Selection Menu Stock Se |
|  | System Selection Menu Social System Selection Menu Social Select desired system and then press to arrow bullon to access the ECU Social System |
|  | System Selection Menu Selection Menu Select decired yellow and their press the arrow button to access the ECU Select decired yellow and their press the arrow button to access the ECU System White-ECU communication CK System White-ECU communication CK System White wild access and the supported or not responding System System System Selection Menu  |
|  | System Selection Menu  Select desired system and their press the arrow button to access the ECU  System Selection Menu  Select desired system and their press the arrow button to access the ECU  System Selection Menualization CI  System Selection Menualization C |
|  | System Selection Menu Select desired system and then press the arrow button to access the ECU SOCIO-SOCIO-SOCIA-SO |
| All ECITIE Downstrain Changle Body Electrical  | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |
|  | OXX.XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |
|  | OXX.XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |
| "System" White w/Asterisk=ECU not supported or not responding  | OCX ASSOCIATION  System Selection Menu  Select deeped system and then press the arrow bullon to access the ECU  SOCIATION  Select deeped system and then press the arrow bullon to access the ECU  Sociation (Western State of Select)   |
| "System" White w/Asterisk=ECU not supported or not responding  | COX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  |
| System White-ECU communication OK  System White-ECU communication OK  System White-ECU communication OK  | OXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX   |
| System Where-ECU states unknown  | 000,000000000  |
| System Where-ECU states unknown  | 000,000000000  |
| Select desired system and then press the arrow button to access the ECU  System  Whose-ECU status various  System  White ECU communication CK  System  White wild Asternish-ECU not supported or not responding  | stem Select Stoned Data  |
| Select desired system and then press the arrow button to access the ECU    System  |  |
| System Selection Menu Select desired dystem and then press the arrow button to access the ECU System Notow-ECU status unknown System Notow-ECU status unknown System White-ECU communication CK System White wild alternate-ECU not supported or not responding  |  |
| System Selection Menu Select selection Menu Select selection set the prose the arrow button to access the ECU System Petro-ECU status unknown System White ECU settlus unknown System White Waterslaw-ECU not supported or not responding  | Tehstream (Ver 7,30,025) - 11345   |

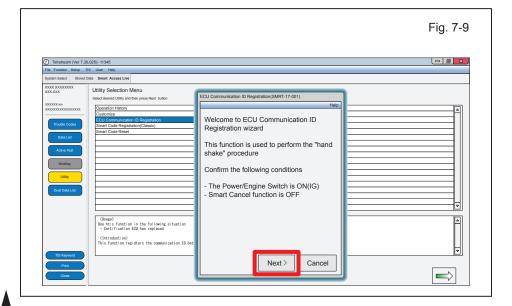
- k. Select "Smart Key".
- I. Click



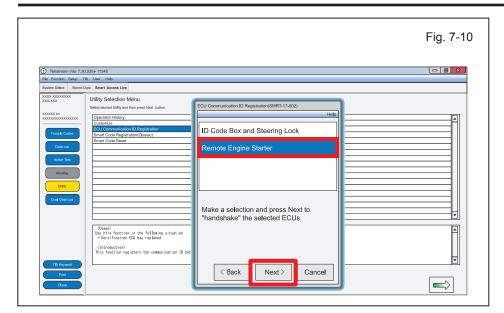
m. Click on "Utility."

|  |  |                                   | Fig. 7- |
|--|--|-----------------------------------|---------|
| Tehstream (Ver 7,3                     | 30,025)- 11345   |                                   |         |
| File Function Setup                    |  |                                   |         |
| XXX-XXX<br>XXX-XXX                     | Date Smart Access Live  Utility Selection Menu Select desired Utily and then press Next button |                                   |         |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | Operation History  | Wireless Door Lock Diagnosis Mode |         |
|  | proposition  | ommumication Check(Key Diag Mode) | H       |
| Trouble Codes                          | ECU Communication ID Registration  | mart Code Erasure                 |         |
| House Cooks                            | Smart Code Reset   | mart Code Registration            |         |
| Data List                              | Small Code Nesel   |                                   |         |
|  |  |                                   |         |
| Active Test                            |  |                                   |         |
|  |  |                                   |         |
| Modfay                                 |  |                                   |         |
|  |  |                                   |         |
| Utility                                |  |                                   |         |
|  |  |                                   |         |
| Dual Data List                         |  |                                   |         |
|  |  |                                   |         |
|  |  |                                   |         |
|  |  |                                   |         |
|  | (Usage)  |                                   |         |
|  | Use htis function in the following situation  - Certification ECU has replaced                 |                                   | Ĥ       |
| TIS Keyword                            | (Introduction) This function regidters the communication ID between the ID C                   | ide Box ECU and Certification ECU | ▼       |
| Print Close                            |  |                                   |         |

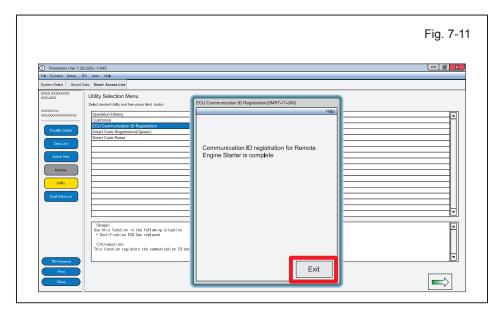
- n. Select "ECU Communication ID Registration."
- o. Click 🖈



p. Click "Next>."

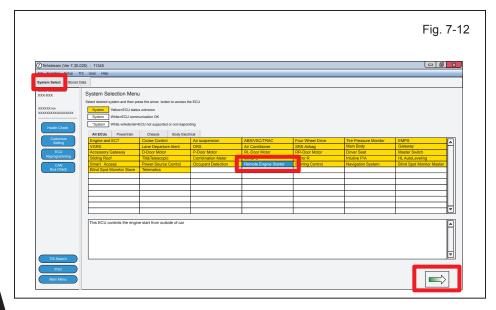


- q. Select "Remote Engine Starter."
- r. Click "Next>."

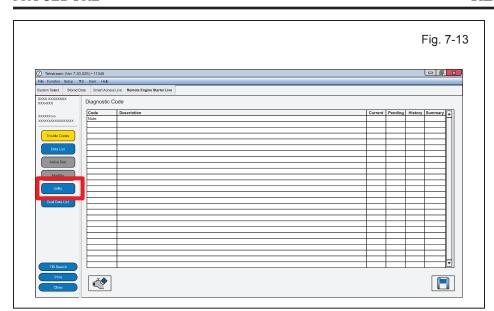


CONFIRM: That the ECU Communication ID was completed successfully.

s. Click "Exit."



- t. Click on "System Select" tab.
- u. Select "Remote Engine Starter."
- v. Click



w. Click on "Utility."

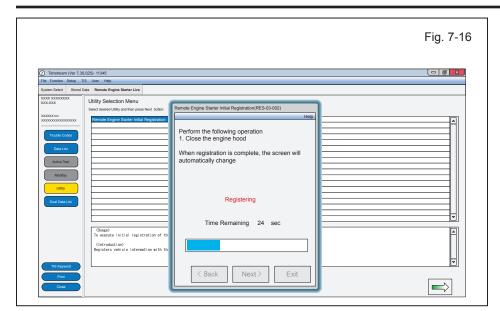
|   |   | Fig. 7-1 |
|---|---|----------|
| Tehstream (Ver 7,3  |   |          |
| System Select Stored   XXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX                                 | Utility Selection Menu  disket caused titils used from resea Neet button.   |          |
| XXXXXXIII Troutle Codes  Troutle Codes  Data Let  Active Test  Modity  Ustry  Dual Owis Let | Romote Engine Staner Initial Regulation   | A        |
| TIS Keyword Print Close   | (Ubage) To ensoute initial registration of the Remote Enco (fintroduction) Registers webiods internation with the Remote En |          |

x. Select "Remote Engine Starter Initial Registration."

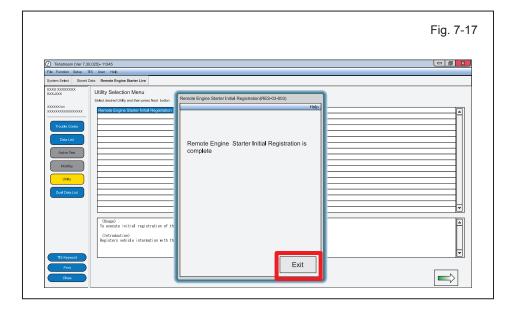
| Tehstream (Ver 7,3)  |  |  |
|--|--|--|
|  | Data Remote Engine Starter Live  |  |
| 2000 20000000 200000 in 200000 in 200000 in 200000 in 2000000 in 2000000000000000000000000000000000000 | Utility Selection Menu Select desired Utility and Phone press Next button  Firmulae Engine State Inhall Registration  (Change) To execute initial registration of th (Introduction) Registers whicle internation with th |  |

y. Click "Next>."

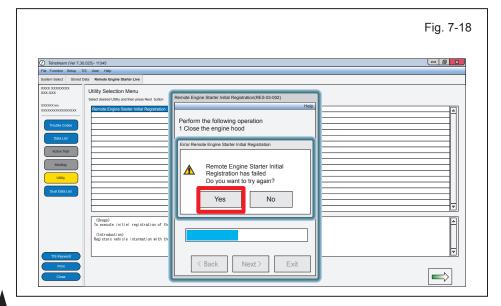
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z. Close the Hood within 30 seconds.



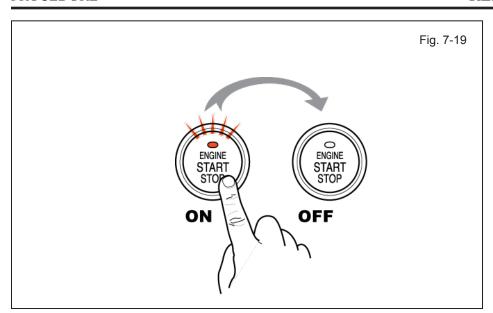
aa. Click "Exit."



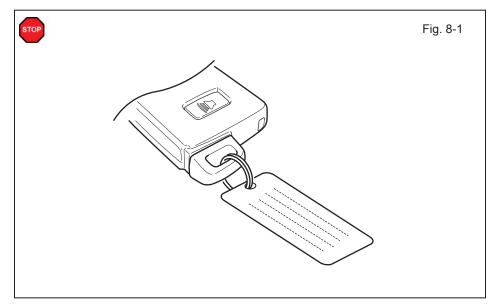
#### IF THIS PROCEDURE FAILED

- · Click "Yes."
- · Start again from step y.

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ab. Press the "ENGINE START STOP" Button once to switch the ignition off.



### 8. Tags and Labels.

- For US Vehicles use the English Tags and Labels, and discard the Spanish Tags and Labels.
- For Mexico Vehicles use the Spanish Tags and Labels, and discard the English Tags and Labels.
- a. Attach the Key Tag.



**REPEAT:** Step a with the other Smart Key.

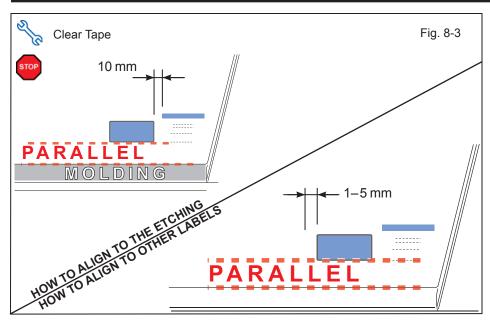


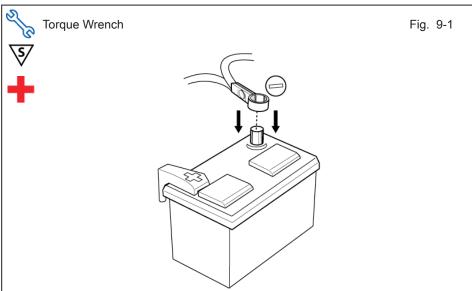
- b. Using VDC approved cleaner and Cleaning Method, clean the area indicated on the Engine Compartment.
- c. Attach the Warning Label to the Engine Compartment Cover as shown.



**CAUTION:** Do not touch the adhesive surface.

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- d. Use Household Glass
   Cleaner to clean the inside of the Front Door Window.
- e. Use a piece of Clear Tape to lift the Label off its protective backing.



**CAUTION:** Do not touch the adhesive surface.

f. Attach the Label as shown.



**NOTE:** Make sure to Align the Label according to Etching or Other Label.

**REPEAT:** steps d-f with the other Front Door Window.

#### 9. Complete the Installation.

 Position the Negative Battery Cable at the original factory position.



Torque: 5.4 N•m (48 in•lbf)



**CAUTION:** Do not touch the Positive Terminal.

- b. Clean up and Remove trash.
- Sealed in its protective bag, place the Owner's Manual in the Glove Box.

## **Accessory Function Checks**

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

|   | Perform |   | Look For   |  |
|---|---------|---|--|--|
| 1 |         | Press the remote control's lock button twice within 2 seconds, then press and hold the lock button for 3 seconds.                                       | The hazard lights flash after 3 seconds. The engine starts. The hazard lights flash repeatedly for 10 seconds. |  |
| 2 | 2       | With the engine running, pull the hood release handle.  NOTE: Wait 30 seconds before pulling the hood release handle for the Security Alarm to trigger. | The engine stops. The hazard lights flash once. The security alarm triggers.                                   |  |

## **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.) |

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CHECKLIST – these points **MUST** be checked to ensure a quality installation.

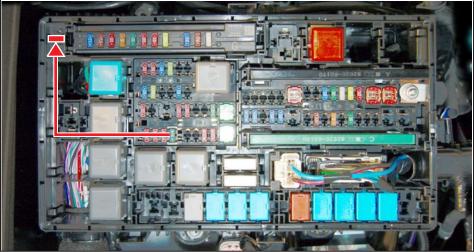
## **Vehicle Function Checks**

|  |   | Function  |      | Function   |
|--|---|---|------|--|
|  |   |   |      |  |
|  |   | Dome/Courtesy Lights  |      | Illuminated Door Sill  |
| Sta  | art the \                                       | /ehicle   |      |  |
|  |   | Panel/Switch Illumination   |      | Gauges   |
|  |   | Check Engine Light  If the warning light remains on, it may indicate a system malfunction.      |      | ABS Light (if equipped)  If the warning light remains on, it may indicate a system malfunction.  |
|  |   | Lamp Failure Sensor  If the warning light remains on, it may indicate a system malfunction.     |      | Track/Skid Control Light (if equipped)  If the warning light remains on, it may indicate a system malfunction.   |
|  |   | Seat Belt Warning Light  If the warning light remains on, it may indicate a system malfunction. |      | Tire Pressure Monitoring System (TPMS)   |
|  |   | Air Bag Warning Light  If the warning light remains on, it may indicate a system malfunction.   |      | 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 |
|  |   | Cruise Control Light (if equipped)  |      | TPMS light will illuminate for a few seconds and go off when IG is turned on.  |
| U  | sing 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)   |      | Turn Signal Lights   |
| Stop the Engine, Place the Vehicle's IG in the ON position |   |   | ion. |  |
|  |   | Hazard Lights   |      | Fog Lights (if equipped)   |
|  |   | Head Light  |      | Accessory Controls/Illumination (if equipped)  |
|  |   | High Beams  |      | Convenience Memory Settings (if equipped)  |
|  |   | Power Side Mirrors (if equipped)  |      | Rear Sunshade (if equipped)  |
|  |   | Power Sliding Door (if equipped)  |      | Power Back Door/Hatch (if equipped)  |

CHECKLIST – these points MUST be checked to ensure a quality installation.

|   | 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)                      |  |
|   | Horn                                       |  | Heated/Vented Seats (if equipped)                         |  |
|   |  |  |   |  |
|   | Glove Box Light (if equipped)              |  | Trunk or Back Door/Hatch Cancel Switch (if equipped)      |  |
|   | Passenger Side Foot Lamp                   |  |   |  |
| • |  |  |   |  |
|   | Power Seats (if equipped)                  |  | Key Sensor Buzzer   |  |

## Remove the D/C Cut Fuse (30A) after Function Check. Check with your Port/Dealer to see if this step is necessary.



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