

TECHNICAL INSTRUCTIONS

FOR

SAFETY RECALL K0F

FRONT SEAT SIDE AND CURTAIN SHIELD AIRBAGS MAY NOT DEPLOY AS INTENDED

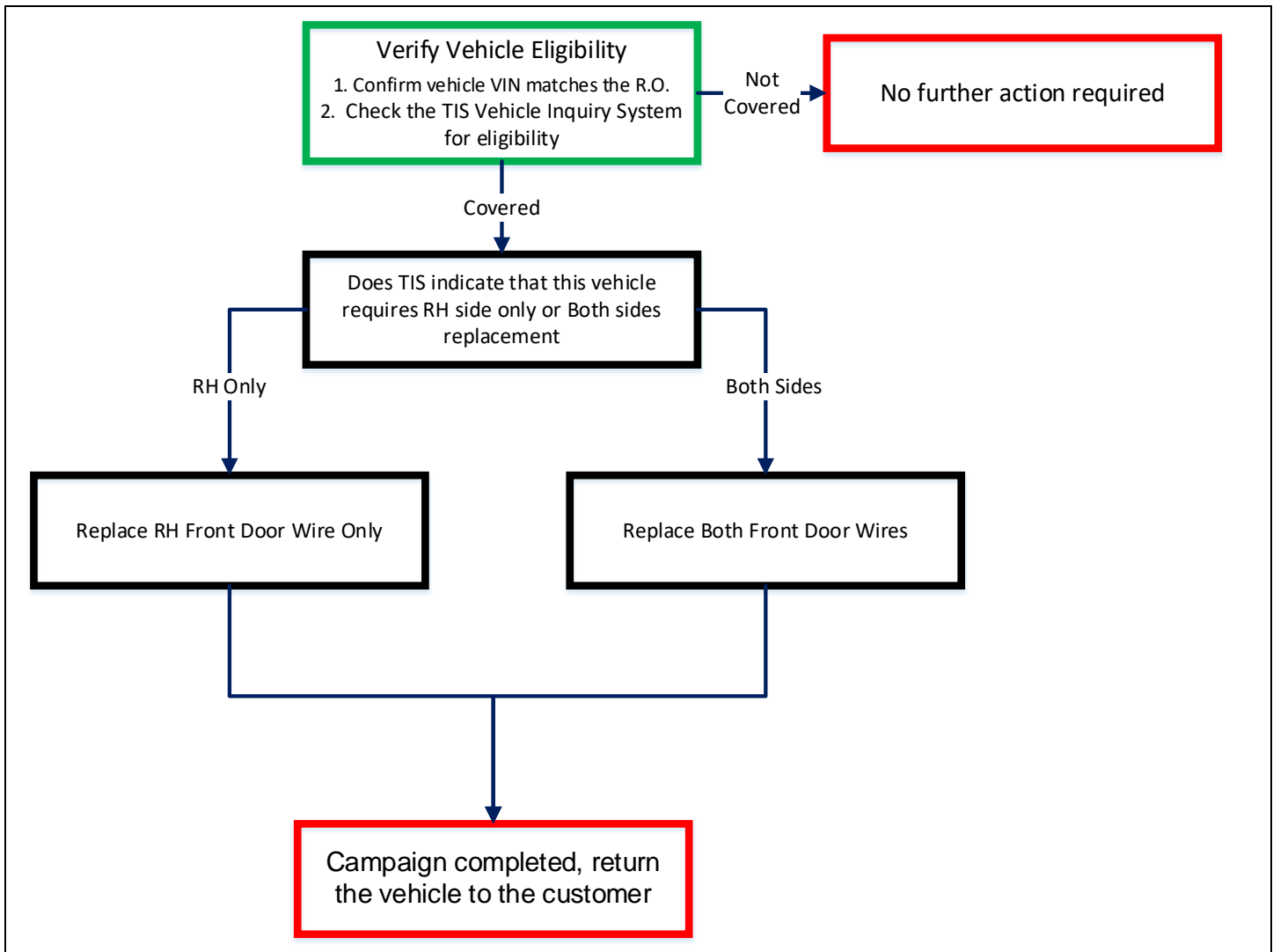
CERTAIN 2015 – 2017 MODEL YEAR YARIS

The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to currently hold at least one of the following certification levels:

- Certified Technician (any specialty)
- Expert Technician (any specialty)
- Master Technician
- Master Diagnostic Technician

It is the dealership’s responsibility to select technicians with the above certification level or greater to perform this recall repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

- Compare the vehicle VIN to the VIN listed on the Repair Order to ensure they match
- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety Recall, and that it has not already been completed prior to dealer shipment or by another dealer.
- TMNA warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were completed by another dealer.

III. PREPARATION

A. PARTS

Model	Side	Part Number	Description	Quantity
5 Door	LH	04008-4680D	WIRE, FR DOOR, LH	0 or 1 *
5 Door	RH	04008-4660D	WIRE, FR DOOR, RH	1
3 Door	LH	04008-4670D	WIRE, FR DOOR, LH	0 or 1 *
3 Door	RH	04008-4650D	WIRE, FR DOOR, RH	1

***Check TIS to determine if the vehicle requires replacement of the left-hand wire harness as described above in the campaign inspection section.**

B. TOOLS & EQUIPMENT

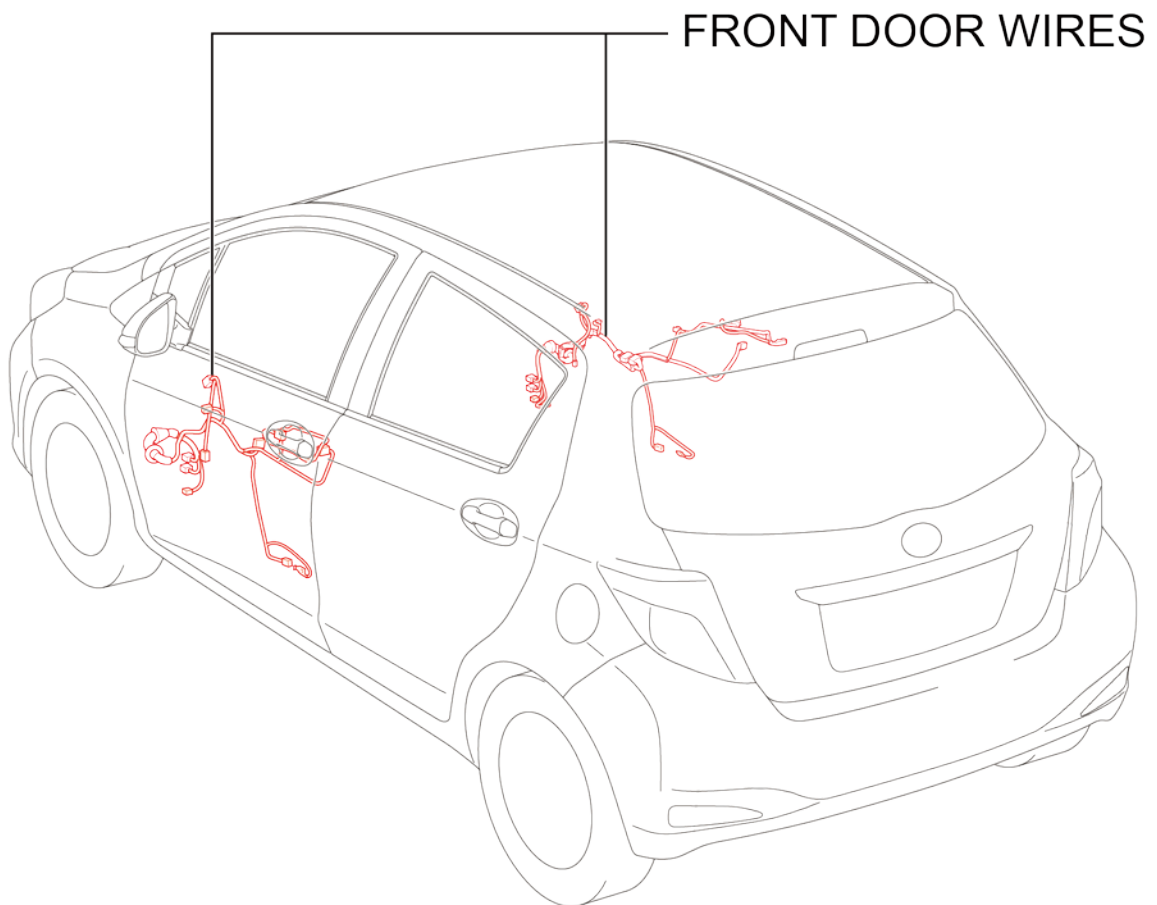
- Techstream
- Moulding Remover Set
- Standard Hand Tools
- Torque Wrench

C. MATERIALS

- Protective Tape
- Protective Gloves
- Marker Pen

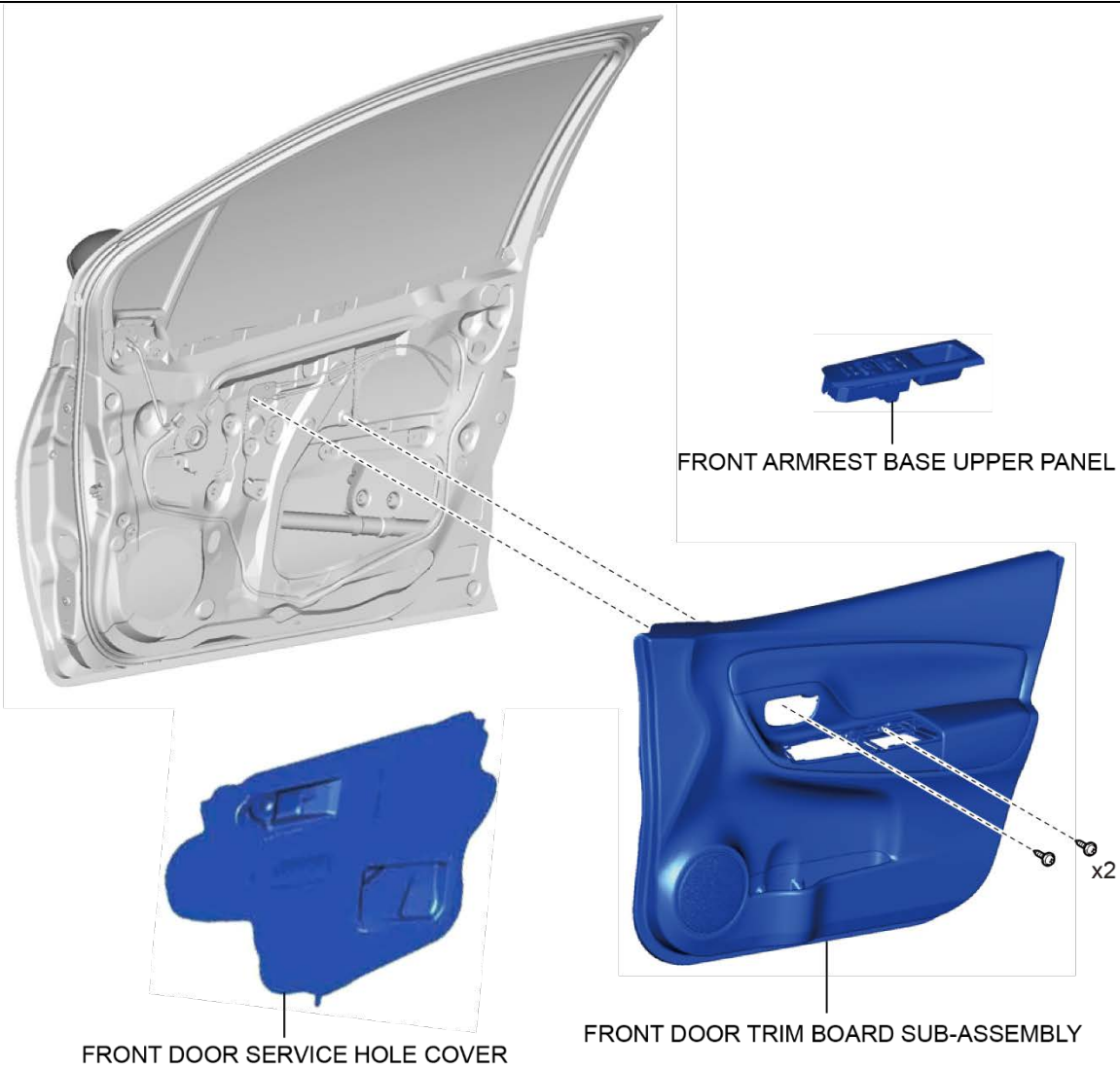
IV. BACKGROUND

The subject vehicles are equipped with side airbag sensors installed in each of the front doors and wire harnesses that connect these sensors to the airbag control unit. These wire harnesses could corrode over time, which could cause the airbag warning light to come on. In addition, the front seat side airbags and curtain shield airbags could be deactivated or not deploy properly. Non-deployment or improper deployment of these airbags can increase the risk of injury in the event of a crash.

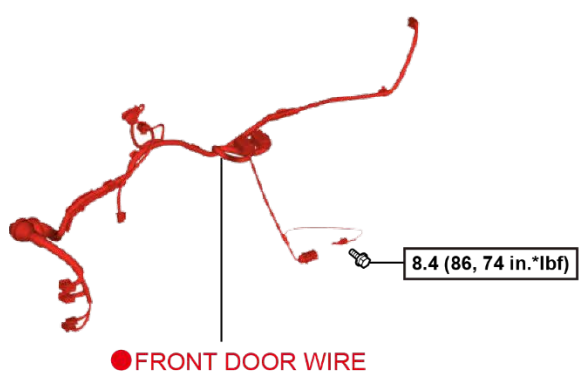
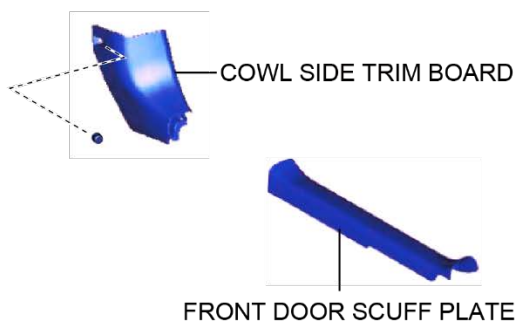


S17048aS

V. WORK PROCEDURE
A. COMPONENTS



BE CAREFUL!
 This component will be reused.
Handle Service Hole Cover With Care



● :Component to be replaced

[N*m (kgf*cm, ft.*lbf)] : Specified torque

S17063bS

B. INSPECT TIS TO DETERMINE IF ONE OR BOTH FRONT DOOR WIRES NEED TO BE REPLACED

Based on production records, replacement of the wire harness assembly in one or both doors will be required. To determine if the vehicle requires replacement of the RH side wire harness ONLY or replacement of BOTH sides, it is critical to check the TIS Memo field when each VIN is searched using TIS (see below images for more detail). Only perform the repair that is required for the specific VIN. ***If replacement of BOTH wire harnesses is performed on a vehicle requiring replacement of ONLY the RH side, the claim will be subject to debit.***

RH Side Wire Harness Replacement ONLY

Campaign Description: Safety Recall K0F - Remedy Notice Certain 2015 - 2017 Model Year Yaris - Front Seat Side and Curtain Shield Airbags May Not Deploy As Inten
Campaign Status: Remedy Available
Completion Status: **Not Completed**
Memo: Replace RH side wire harness ONLY.

[\[Show Documents\]](#)

This vehicle requires RH side wire harness replacement ONLY.

BOTH Sides Wire Harness Replacement

Campaign Description: Safety Recall K0F - Remedy Notice Certain 2015 - 2017 Model Year Yaris - Front Seat Side and Curtain Shield Airbags May Not Deploy As Inten
Campaign Status: Remedy Available
Completion Status: **Not Completed**
Memo: Replace wire harness on BOTH sides.

[\[Show Documents\]](#)

This vehicle requires replacement of BOTH sides wire harness.

C. REMOVE FRONT DOOR WIRE

NOTE:

- Although component designs differ slightly depending on vehicle models, work procedures are the same.
- The procedure described in the instructions below are for the RH side. Use the same procedure for the LH side (if required.)



1. CHECK FOR DTC'S

- a. Using a Techstream, check for Diagnostic Trouble Codes.

Note: This Safety Recall covers only the replacement of one or both front door wires, as detailed in these instructions. It does not cover the diagnosis or replacement of any other parts on the vehicle.

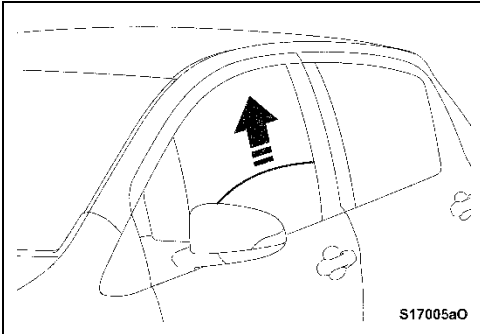
2. RECORD CUSTOMER SETTINGS

- a. Record customer vehicle settings (audio, A/C, seat position, etc.) that may be erased when the battery is disconnected.

3. TAKE MEASURES AGAINST SECURITY OF NAVIGATION SYSTEM

- a. A password may be required to restart the navigation system after reconnection of the battery. Confirm with the customer in advance regarding the system conditions when the vehicle will be returned to the customer.

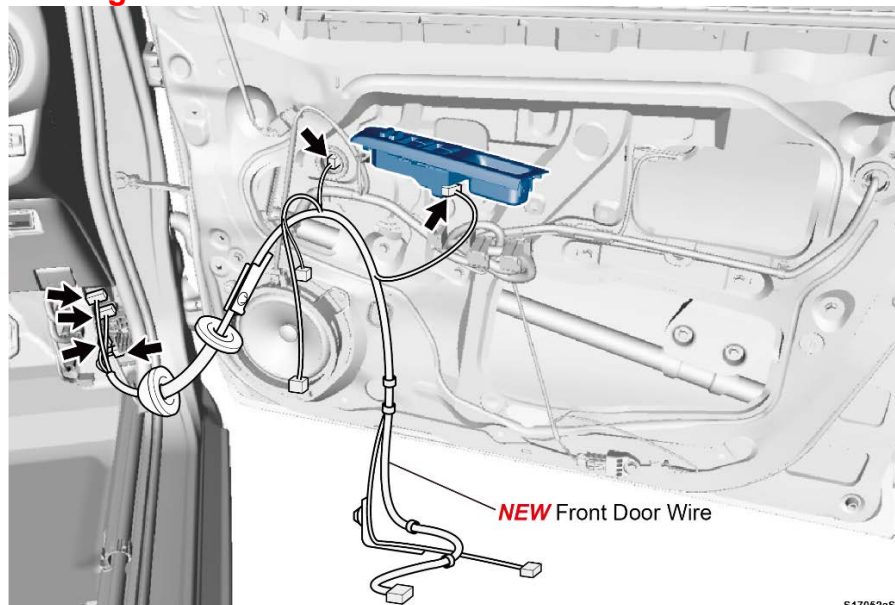
4. WEAR PROTECTIVE GLOVES



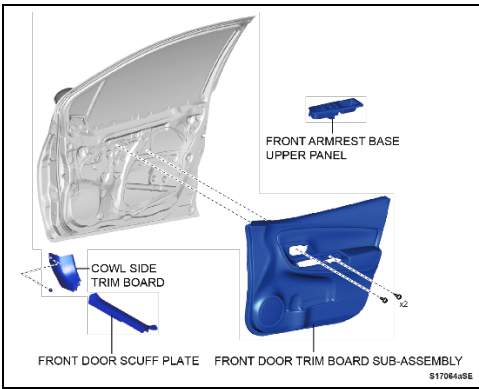
- 5. CLOSE FRONT WINDOWS**
a. Fully close all front windows

The front door wire cannot be replaced when the front door glass is in the open (lowered position). If the front door glass cannot be closed due to a broken or damaged door wire, follow the procedures below to close it.

- a) Remove the front door trim board.
- b) Connect a **NEW** front door wire to the junction block, the power window motor, and the power window switch connector.
- c) Turn the ignition to IG ON and then operate the power window switch to close the front door glass.



- 6. DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL**



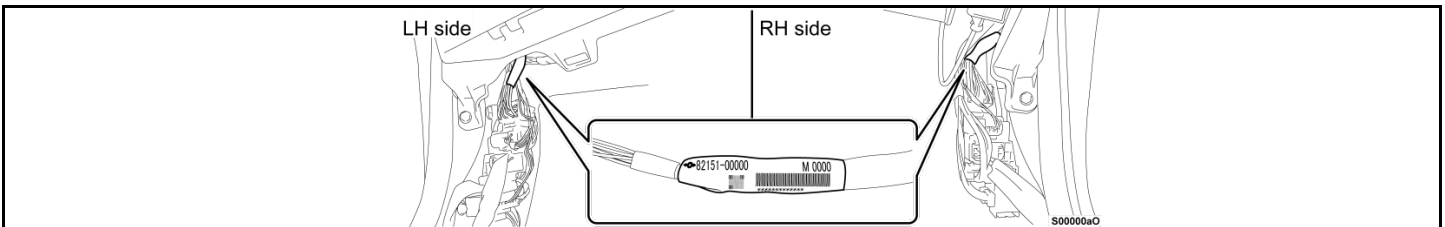
7. REMOVE THE FOLLOWING COMPONENTS

- a. Front door scuff plate
- b. Cowl side trim board
- c. Front armrest base upper panel
- d. Front door trim board sub-assembly

Check the part numbers of the front door wires. If the part numbers are applicable to the OLD part numbers listed below, replace the front door wires with **NEW** countermeasure parts.

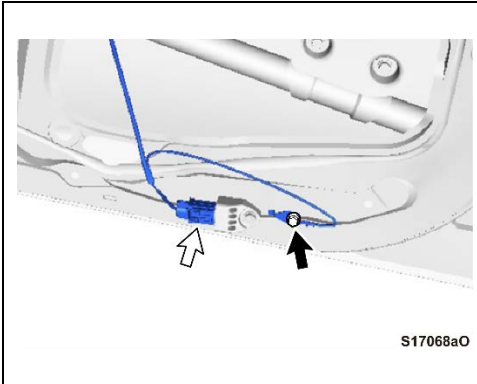


You only need to check the part number of the side that requires replacement based on the results of the TIS Inspection



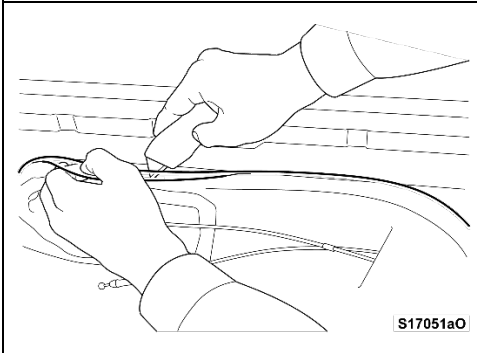
Kit Name	OLD Part No.	NEW Part No.
WIRE, FR DOOR, RH	82151-0DT10	04008-4650D (82151-0DT11)
	82151-0DT40	04008-4660D (82151-0DT41)
WIRE, FR DOOR, LH	82152-0DT10	04008-4670D (82152-0DT11)
	82152-0DT40	04008-4680D (82152-0DT41)

Judgment	Required Actions
OK The OLD Part No. in the car is not listed in the table above in the OLD Part No. column	No further actions required.
NG The OLD Part No. in the car matches what is listed in the table above in the OLD Part No. column	Replace the front door wire with a NEW Part.



8. REMOVE THE FRONT DOOR SERVICE HOLE COVER

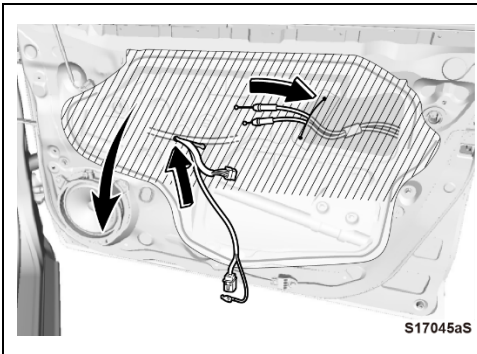
- a. Disconnect the side airbag sensor connector
- b. Remove the bolt and disconnect the ground terminal



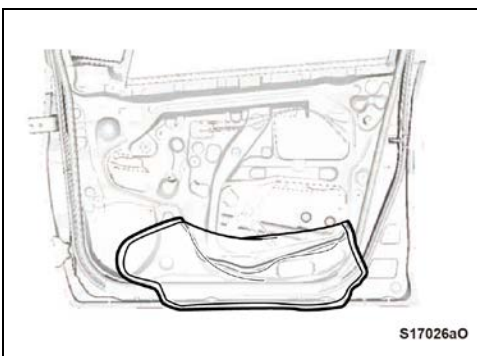
- c. Gradually cut the butyl tape while handling the service hole cover with care.



**The service hole cover will be reused.
Handle the service hole cover with care**



- d. While detaching and pulling down on the upper half of the service hole cover, pull out the 2 cables and the door wires through the service hole



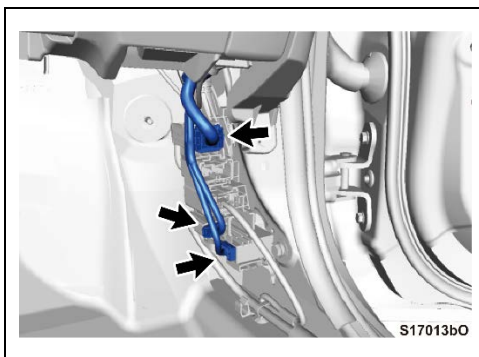
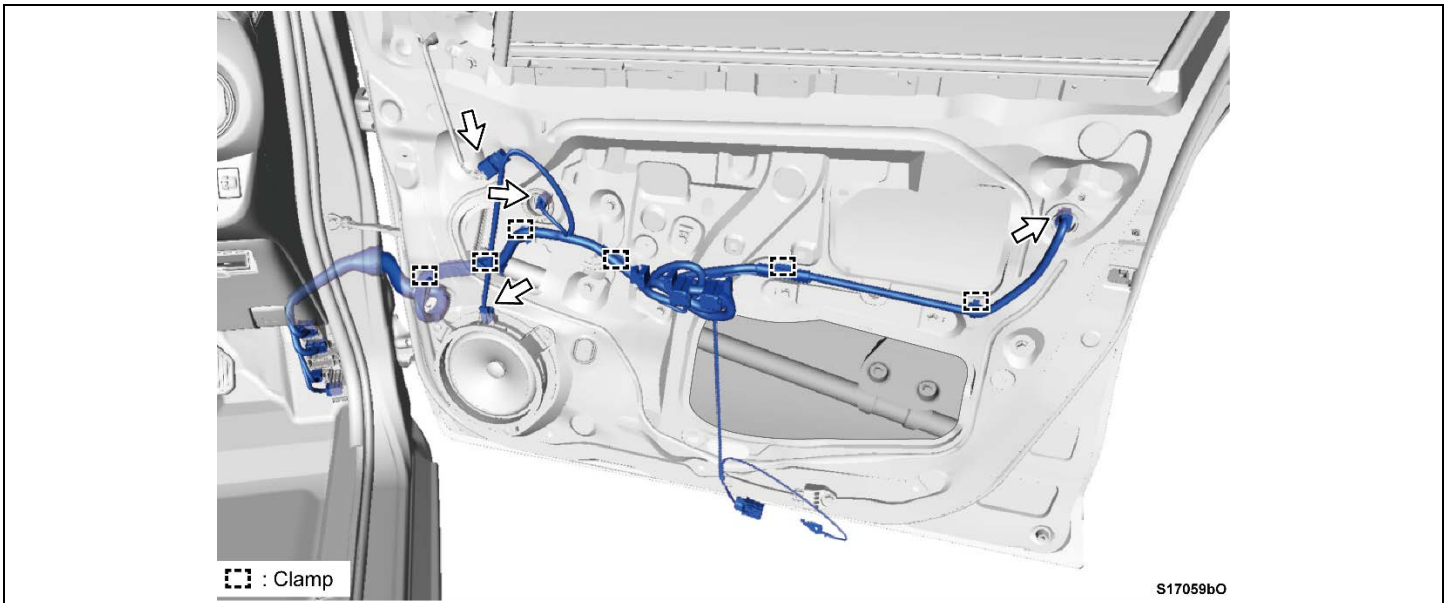
- e. Using tape, secure the detached upper half of the service hole cover and place it in a way where it will not interfere with the remaining steps of the repair



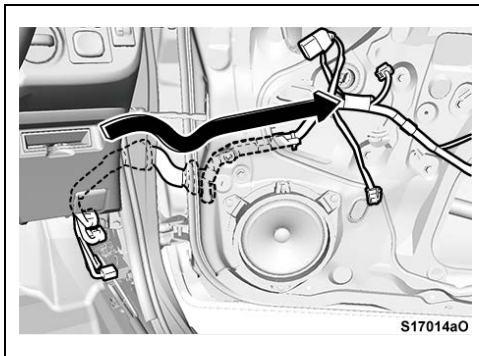
***DO NOT* allow butyl tape to adhere to any parts.**

9. REMOVE FRONT DOOR WIRE

- a. Disengage the clamps and disconnect the connectors



- b. Disconnect the connectors from the junction block.

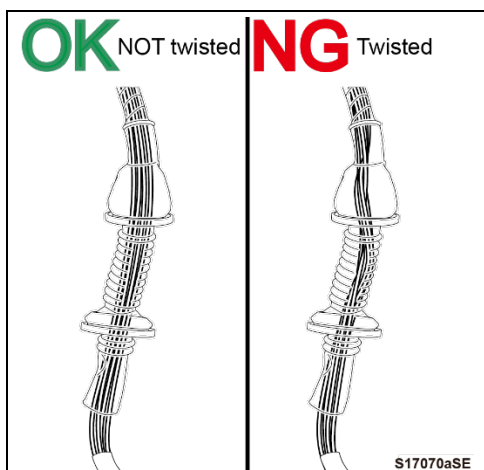


- c. Remove the front door wire by pulling it out in the direction indicated by the arrow.
- d. Mark and store the removed front door wire in a separate container so as not to reinstall it in error.

D. INSTALL **NEW** FRONT DOOR WIRE

NOTE:

- Although component designs slightly differ depending on vehicle models, work procedures are the same.
- The procedures described in this manual are for the RH side. Use the same procedures for the LH side (if required.)

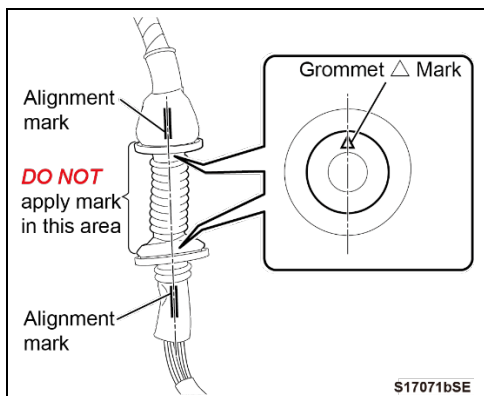


1. PREPARE FOR INSTALLATION OF THE **NEW** FRONT FOOR WIRE

- a. Using your hands, check the **NEW** front door wire to make sure the wires are not twisted



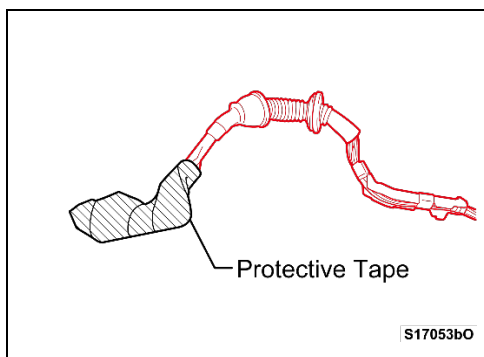
Make sure that the wires are not twisted. Also, DO NOT twist them during later steps before installing the **NEW front door.**



- b. Place marks on the grommets in the locations specified in the illustration. Before placing the marks check that the wire harness is not twisted.



- **DO NOT** apply a mark on the corrugated part, as it will be visible to customers after installation.
- **DO NOT** twist the wire harness.



2. INSTALL THE **NEW** FRONT DOOR WIRE

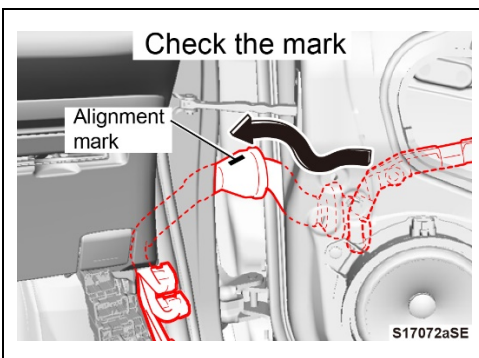
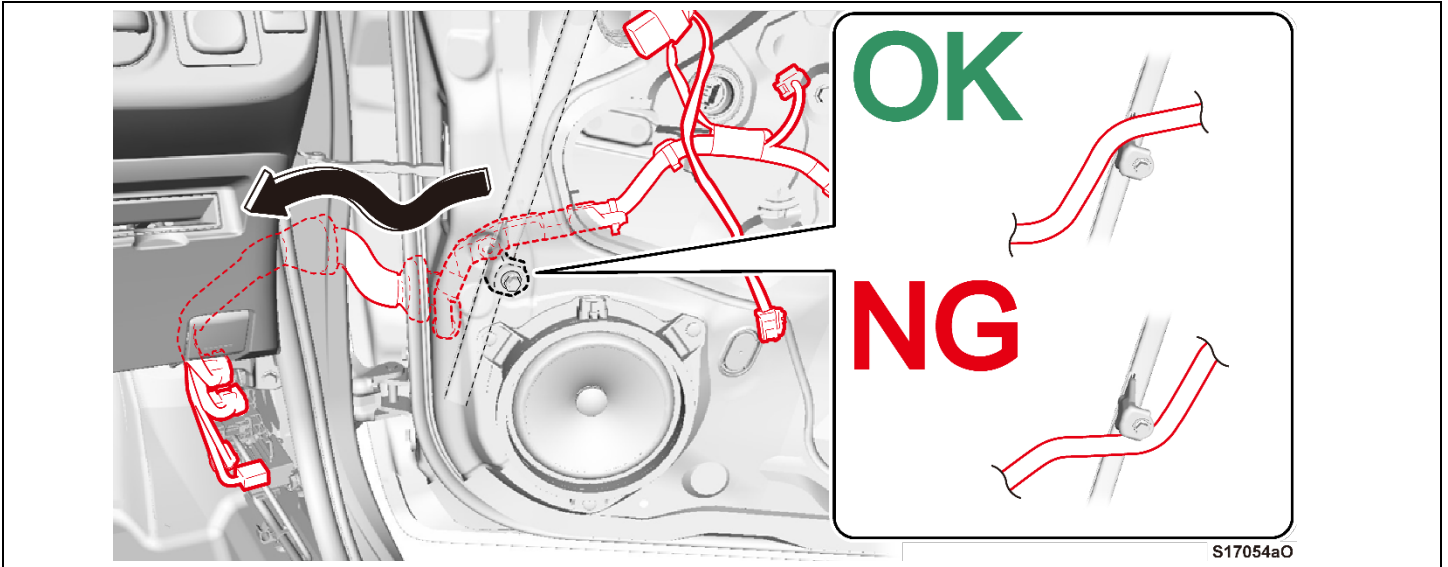
- a. Bundle the connectors on the junction block side with tape



DO NOT twist the wire harness.

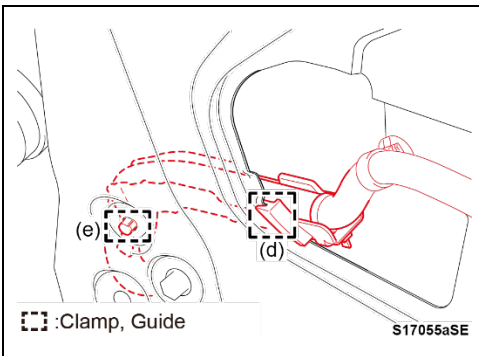
- b. Pass the front door wire through the door toward the vehicle interior, making sure that the alignment marks on the grommets are at the top.

STOP *DO NOT* twist the wire harness.



- c. Check that the alignment marks on the front door wire grommets are at the top. Then insert the grommets to inside the vehicle

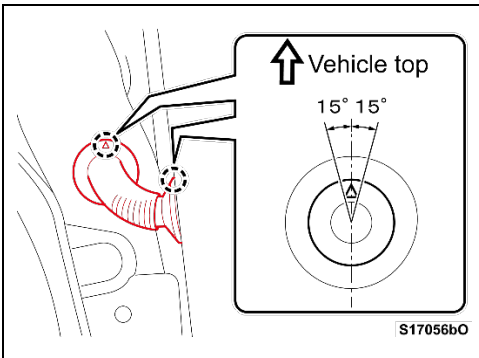
STOP *DO NOT* twist the wire harness.



- d. Engage the guide of the door wire protector with the door panel as shown in the illustration.

STOP *DO NOT* twist the wire harness.

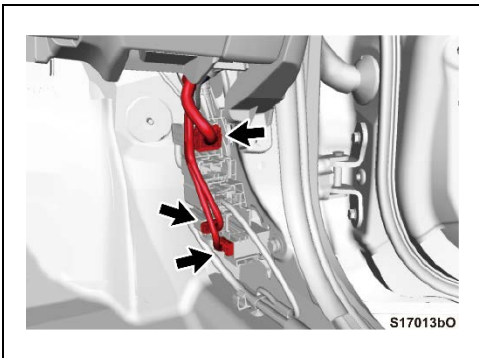
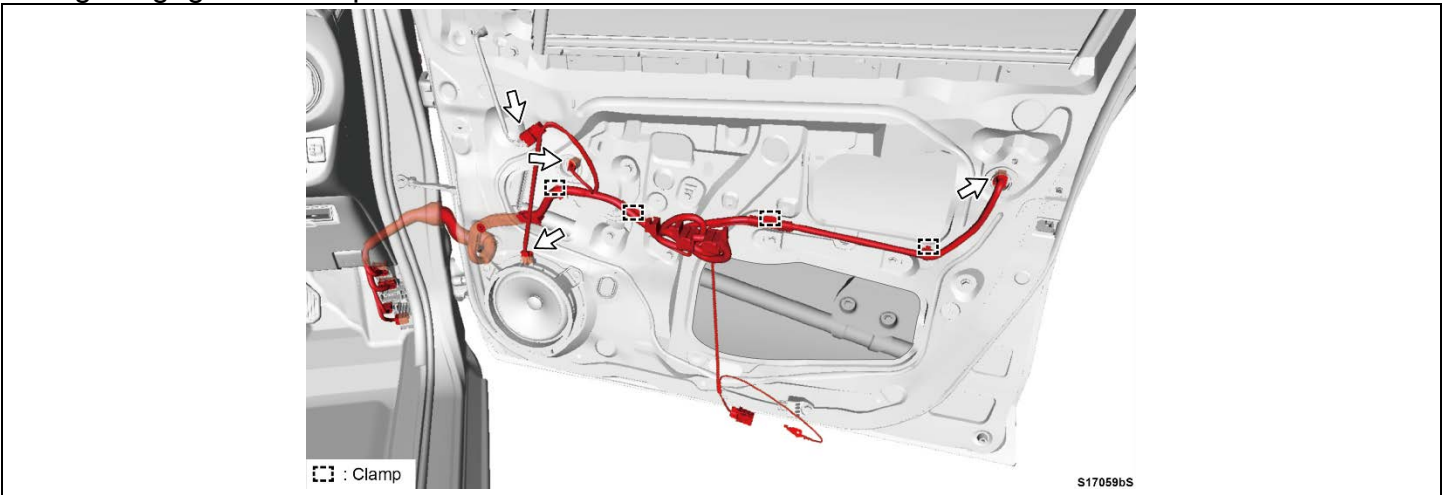
- e. Engage the clamp



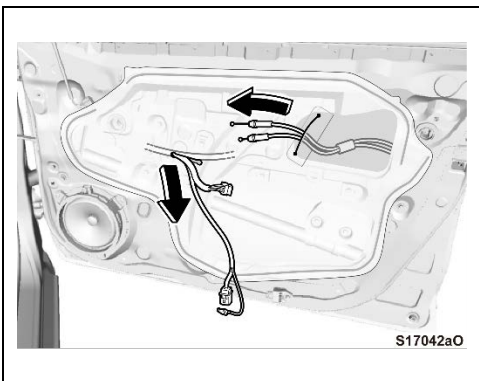
f. Install the front door grommets with the alignment marks at the top (in the range specified in the illustration)

STOP *DO NOT twist the corrugated part.*

g. Engage the clamps and connect the connectors.



h. Remove the protective tape and connect the connectors to the junction block.

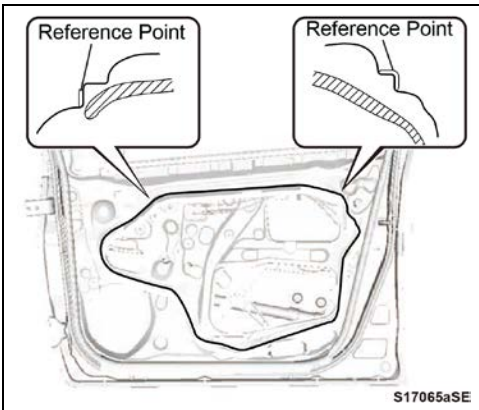


3. REINSTALL THE FRONT DOOR SERVICE HOLE COVER

a. Remove the tape that is fastening the upper half of the service hole cover

STOP *Check and replace the service hole cover with a NEW one if any damage is found.*

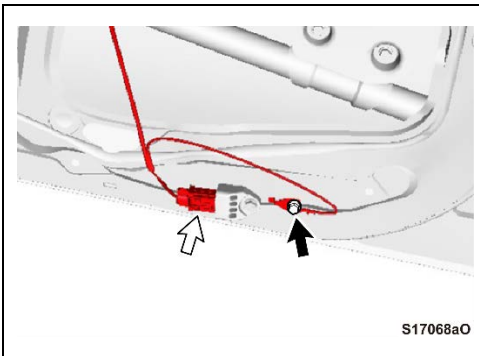
b. Pass the 2 cables and door wire through the openings in the service hole cover.



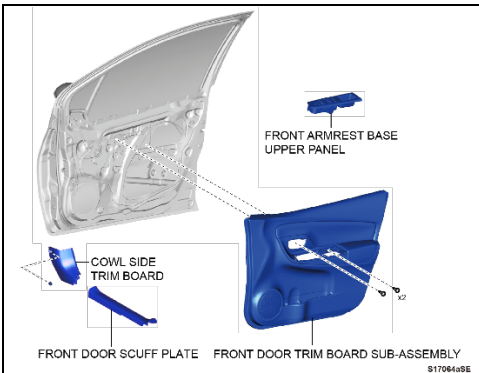
- c. Reinstall the front door service hole cover using the reference points on the front door panel



Reattach the front door service hole cover while avoiding wrinkles, making sure that it is properly set in place and then firmly press down the cover to ensure the cover completely adheres.



- d. Connect the side airbag sensor connector
 e. Connect the ground terminal with the bolt
Specified Torque:
74 in*lb (8.4 N*m, 86 kgf*cm)



4. REINSTALL THE FOLLOWING COMPONENTS

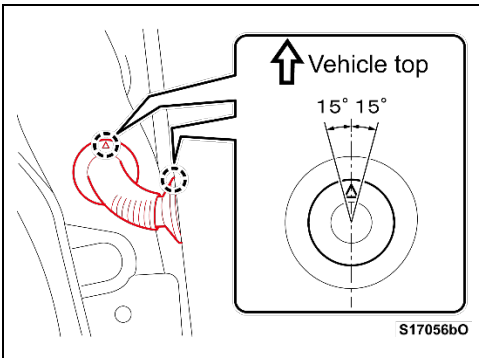
- Front door scuff plate
- Cowl side trim board
- Front armrest base upper panel
- Front door trim board sub-assembly

5. RESTORE SETTINGS AFTER RECONNECTING THE CABLE TO THE NEGATIVE BATTERY TERMINAL

Click the links below to access TIS for instructions on INTRODUCTION / REPAIR INSTRUCTION / INITIALIZATION

Sedan	2015	2016	
Hatchback	2015	2016	2017

6. CHECK AND CLEAR DTC(s)



7. CHECK FRONT DOOR GROMMET INSTALATION CONDITIONS



Make sure that the corrugated part is not twisted.

- 8. RESTORE SEAT POSITON**
- 9. INSPECT THE DOOR OPEN AND CLOSE OPERATION**
- 10. INSPECT POWER WINDOW OPERATION**
- 11. INSPECT DOOR LOCK OPERATION**
- 12. INSPECT POWER MIRROR OPERATION**
- 13. INSPECT FRONT DOOR SPEAKER OPERATION**

◀ VERIFY REPAIR QUALITY ▶

Confirm window, door lock, power mirror, and speaker operation
 Confirm that door panel is properly installed.

If you have any questions regarding this update, please contact your regional representative.

VI. APPENDIX

A. PARTS DISPOSAL

As required by Federal Regulations, please make sure all recalled parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused, ***unless requested for parts recovery return.***

B. CAMPAIGN DESIGNATION DECORDER

