TECHNICAL INSTRUCTIONS

FOR

SPECIAL SERVICE CAMPAIGN HOP

YARIS INSTRUMENT PANEL WIRE HARNESS

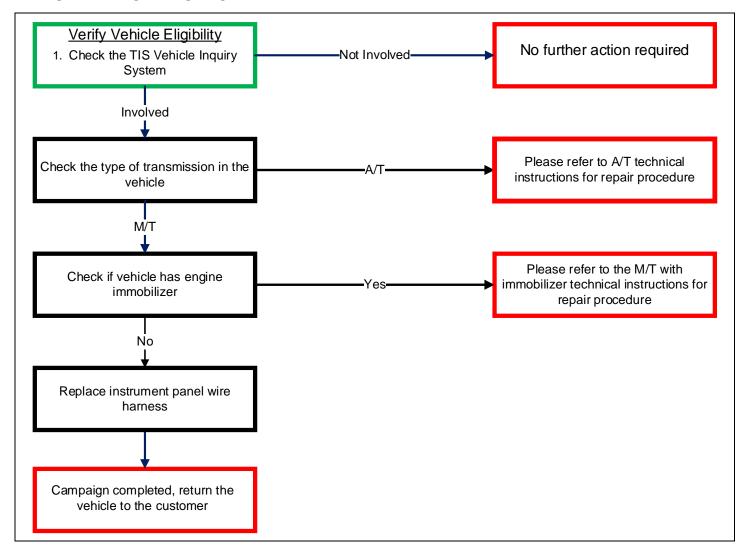
CERTAIN 2017 MY YARIS M/T (Without Immobilizer)

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 <u>at least one</u> of the following certification levels:

- Certified Technician (Electrical)
- 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

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety Recall, and that the Campaign has not already been competed prior to dealer shipment or by another dealer.
- TMS warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were completed by another dealer.

III. PREPARATION

A. PARTS

	VIN	Applicable P/N (Instrument Panel Wire Harness)	Quantity
VNKJTUD36HA072244	VNKJTUD38HA072469		
VNKJTUD37HA072270	VNKJTUD32HA072497		
VNKJTUD38HA072195	VNKJTUD36HA074088		
VNKJTUD33HA072234	VNKJTUD34HA074302	04007-5910D	
VNKJTUD30HA072255	VNKJTUD32HA074329		
VNKJTUD33HA072315	VNKJTUD35HA074518		
VNKJTUD32HA072404	VNKJTUD3XHA074580		
VNKJTUD34HA072159	VNKKTUD36HA072815		1no nor
VNKJTUD39HA072206	VNKKTUD31HA072852		1pc per VIN
VNKKTUD38HA072332	VNKKTUD39HA072999		
VNKJTUD36HA072454	VNKJTUD39HA073050		
VNKJTUD32HA072466	VNKKTUD33HA073100	04007-5920D	
VNKKTUD3XHA072607	VNKJTUD38HA073136	04007-3920D	
VNKKTUD33HA072691	VNKJTUD38HA073234		
VNKKTUD35HA072725	VNKJTUD38HA073279		
VNKKTUD31HA072771	VNKJTUD38HA073301		
VNKKTUD33HA074439	VNKKTUD35HA074376		

B. TOOLS & EQUIPTMENT

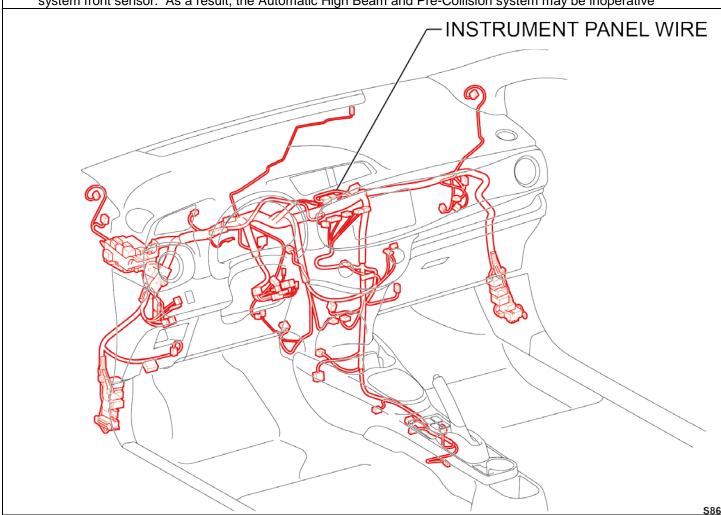
- Techstream
- Protective Gloves
- Standard Hand Tools
- Torque Wrench

C. MATERIALS

- Protective Tape
- Marker Pen

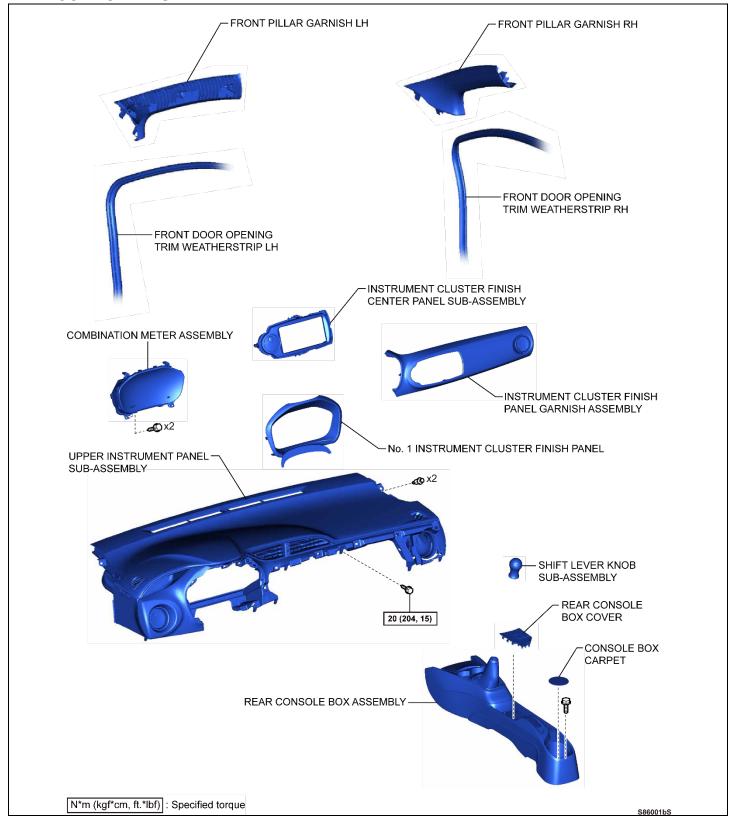
IV. BACKGROUND

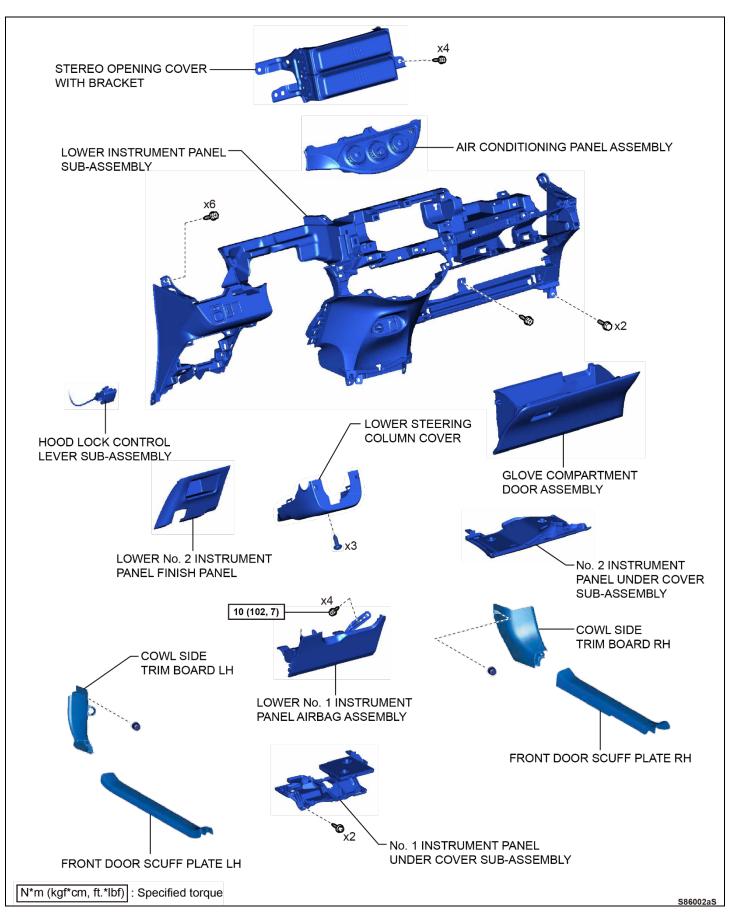
In the subject vehicles, an incorrect instrument panel wire harness may have been installed during the vehicle assembly process. The incorrect instrument panel wire harness may not be compatible with the Pre-Collision system front sensor. As a result, the Automatic High Beam and Pre-Collision system may be inoperative

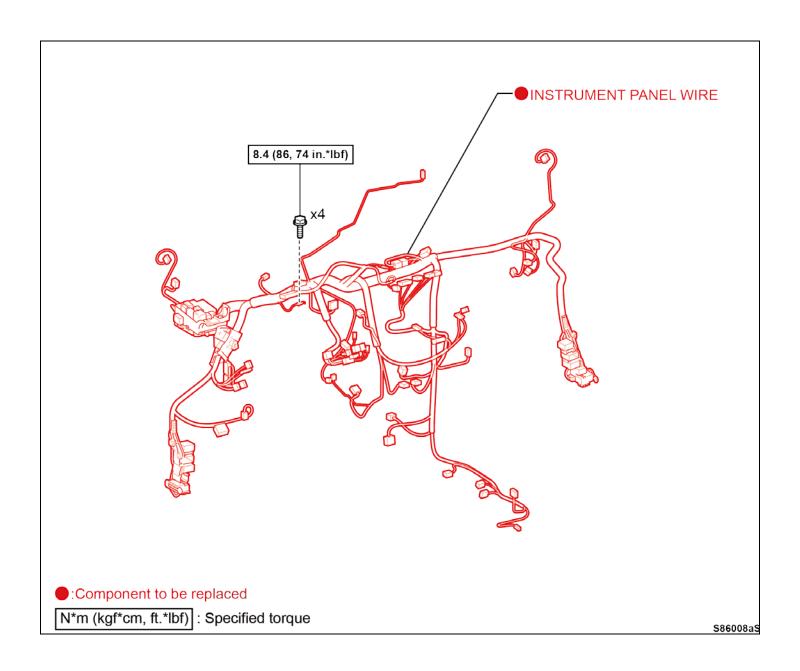


V. WORK PROCEDURE

A. COMPONENTS







VI. REMOVE INSTURMENT PANEL WIRE HARNESS

1. CHECK FOR DTC's

a. If a DTC(s) is displayed, record the DTC(s) and the freeze frame data and perform the repairs as necessary

2. RECORD AUDIO AND AIR CONDITIONING SETTINGS

a. When the battery cable is disconnected, the settings for the audio, air conditioning, etc. may be reset. Therefore, make a note of the settings before disconnecting the cable from the negative (-) battery terminal

3. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL



For models with a navigation system, wait at least 6 minutes before disconnecting the battery. It takes approximately 6 minutes for the system to save information and settings after the ignition switch is turned off.

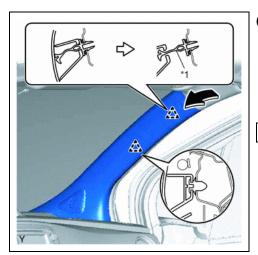


4. WEAR PROTECTIVE GLOVES



Be sure to wear protective gloves. Sharp edges on components such as burrs may injure your hands.

5. SEPARATE FRONT DOOR OPENING TRIM WEATHERSTRIP RH AND LH

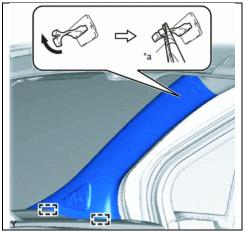


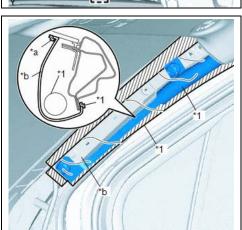
REMOVE FRONT PILLAR GARNISH RH

a. Disengage the front pillar garnish clips

NOTE: The front pillar garnish clip should remain between the front pillar garnish and the pillar

*1	Front Pillar Garnish Clip
----	---------------------------





b. Using needle nose pliers with its tip wrapped in tape, turn the front pillar garnish clip 90° and disengage it from the front pillar garnish

*a	Protective Tape

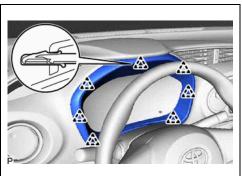
NOTE: Do NOT remove the front pillar garnish clip from the vehicle as long as it is not damaged. If removed, the front pillar garnish clip will require replacement.

- c. Disengage the 2 guides to remove the front pillar garnish
- d. Disconnect the connector for the speaker (w / 6 speakers)
- e. Protect the curtain shield airbag assembly by covering it with a cloth or piece of nylon and secure the ends of the cover with tape as shown in the illustration.

*1	Curtain Shield Airbag Assembly
*a	Adhesive Tape
*b	Protective Cover

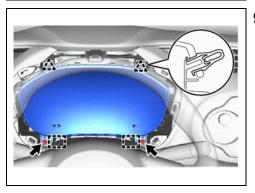
7. REMOVE THE FRONT PILLAR GARNISH LH

a. Use the same procedure as the RH side



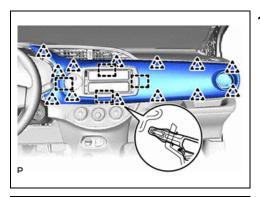
8. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH PANEL

a. Disengage the 7 clips to remove the No.1 instrument cluster finish panel



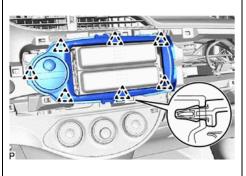
9. REMOVE THE COMBINATION METER ASSEMBLY

- a. Remove the 2 screws
- b. Disengage the 2 clips and 2 guides
- Disconnect the 2 connectors to remove the combination meter assembly



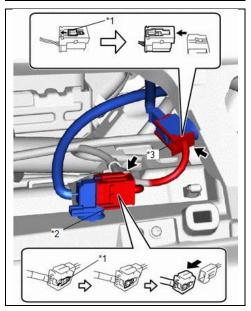
10. REMOVE THE INSTRUMENT CLUSTER FINISH PANEL GARNISH ASSEMBLY

a. Disengage the 13 clips and 4 guides to remove the instrument cluster finish panel garnish assembly



11. REMOVE INSTRUMENT CLUSTER FINISH CENTER PANEL SUB-ASSEMBLY

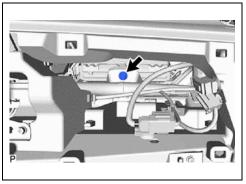
- a. Disengage the 7 clips
- b. Disconnect the connector to remove the instrument cluster finish center panel sub-assembly



12. REMOVE INSTRUMENT PANEL SUB-ASSEMBLY

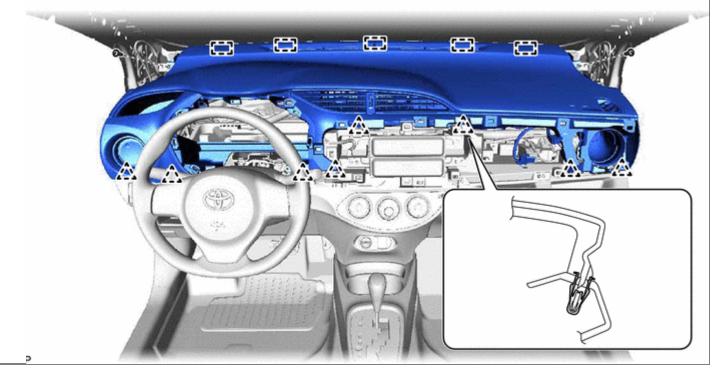
- a. Slide the slider and disconnect the front passenger airbag connector
- b. Slide the slider and disconnect the vent hole connector

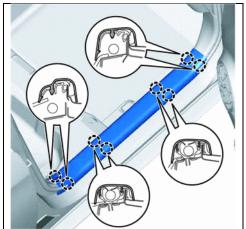
*1	Slider
*2	Airbag Connector
*3	Vent Hole Connector



c. Remove the bolt

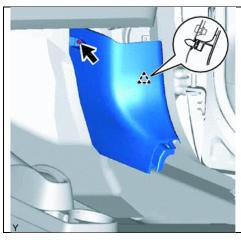
- d. Disengage the clamps
- e. Disconnect the connectors
- f. Remove the 2 clips
- g. Disengage the 8 clips while lifting the rear instrument panel up
- h. While lifting the instrument panel, slide it toward the rear of the vehicle. Disengage the 5 guides of the front side of the instrument panel to remove the upper instrument panel
- i. Detach the lower steering column cover





13. REMOVE FRONT DOOR SCUFF PLATE RH

a. Disengage the 8 claws to remove the front door scuff plate RH



14. REMOVE COWL SIDE TRIM BOARD RH

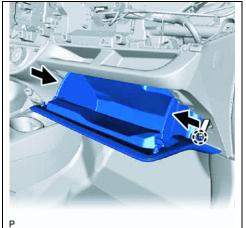
- a. Remove the clip
- b. Disengage the clip to remove the cowl side trim board RH

15. REMOVE FRONT DOOR SCUFF PLATE LH

a. Use same procedure as RH side

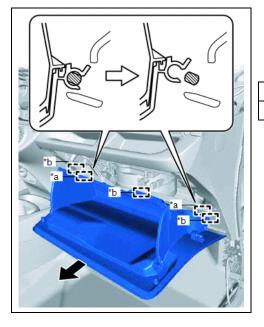
16. REMOVE COWL SIDE TRIM BOARD LH

a. Use the same procedure as RH side



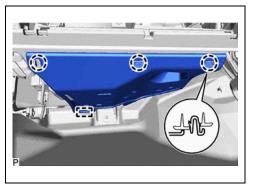
17. REMOVE GLOVE COMPARTMENT DOOR ASSEMBLY

- a. Disengage the claw to separate the glove compartment door stopper from the glove compartment door
- b. Slightly flex the upper part of the glove compartment door to release the 2 stoppers and open the glove compartment door until it is horizontal



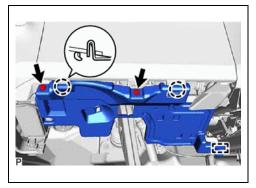
 Pull the glove compartment door out horizontally to disengage the 2 hinges and 3 guides to remove the glove compartment door

*a	Hold
*b	Turn



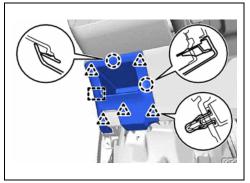
18. REMOVE NO.2 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

- a. Disengage the 3 claws and guide to remove the No. 2 instrument panel under cover
- b. (w/ Footwell Light) Disconnect the connector



19. REMOVE THE NO.1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

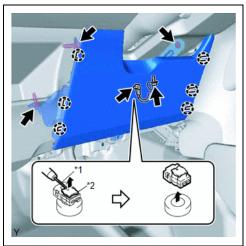
- a. Remove the 2 <A> screws
- b. Disengage the 2 claws and guide to remove the No. 1 instrument panel under cover sub-assembly
- c. (w/ Footwell Light) Disconnect the connector



20. REMOVE THE LOWER NO.2 INSTRUMENT PANEL FINISH PANEL

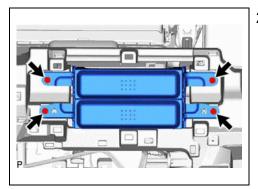
a. Disengage the 5 clips, 2 claws and guide to remove the No.2 instrument panel finish panel

NOTE: The number of clips varies depending on vehicle options



21. REMOVE THE LOWER NO.1 INSTRUMENT PANEL AIRBAG ASSEMBLY

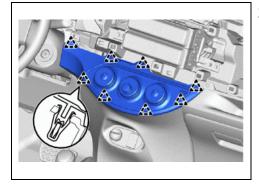
- a. Remove the 4 bolts
- b. Disengage the 6 claws to separate the lower No.1 instrument panel airbag assembly
- c. Using a screwdriver with its tip wrapped in protective tape, release the locking button
- d. Disconnect the airbag connector to remove the lower No.1 instrument panel airbag assembly



22. REMOVE THE STEREO

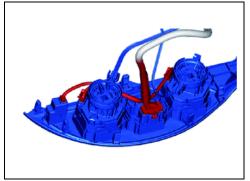
- a. Remove the 4 screws and stereo
- b. Disconnect the connectors behind the stereo

NOTE: Depending on the vehicle options there will be a various number of connectors located behind the stereo

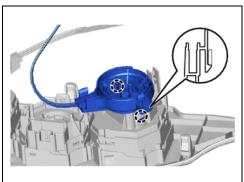


23. SEPARATE THE AIR CONDITIONING PANEL ASSEMBLY

- a. Disengage the 8 clips
- b. Disconnect the connector to separate the air conditioning panel assembly

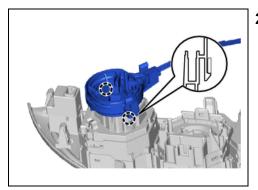


c. Disconnect the connector to separate the air conditioning panel assembly



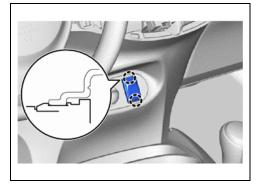
24. DISCONNECT THE DEFROSTER DAMPER CONTROL CABLE SUB-ASSEMBLY

a. Disengage the 2 claws to disconnect the defroster damper control cable sub-assembly



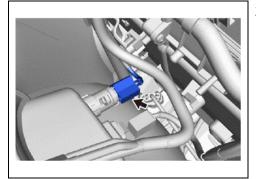
25. DISCONNECT THE AIR MIX DAMPER CONTROL CABLE SUB-ASSEMBLY

a. Disengage the 2 claws to disconnect the air mix damper control cable sub-assembly



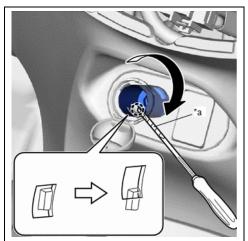
26. REMOVE NO.1 STEREO JACK ADAPTER ASSEMBLY

- a. Disconnect the connector
- b. Disengage the 2 claws to remove the No.1 Stereo jack adapter assembly



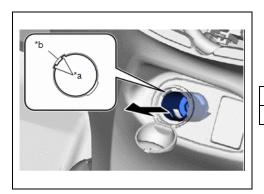
27. REMOVE NO.1 POWER OUTLET SOCKET ASSEMBLY

a. Disconnect the connector



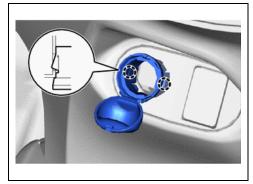
b. Using a screwdriver wrapped in protective tape, disengage the claw, then turn the No.1 power outlet socket clockwise and pull the power outlet socket half way out.

*a Protective Tape



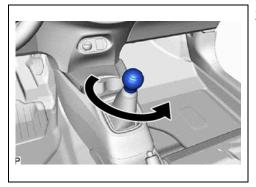
 Align the protrusion of the No.1 power outlet socket cover with the cutout of the No.1 power outlet socket cover and then pull the No.1 power outlet socket assembly out

*b	Protrusion
*a	Cutout



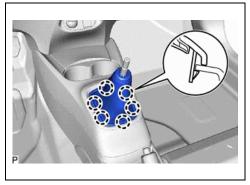
28. REMOVE NO.1 POWER OUTLET SOCKET COVER

a. Disengage the 2 claws to remove the No. 1 power outlet socket cover



29. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY

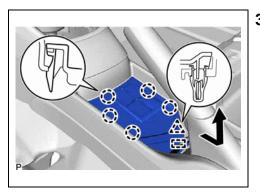
a. Turn the shift lever knob sub-assembly counterclockwise and remove the shift lever knob sub-assembly



30. REMOVE THE SHIFTING HOLE COVER SUB-ASSEMBLY

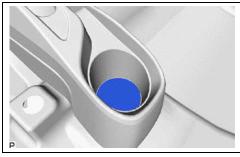
a. Disengage the 6 claws to remove the shifting hole cover sub-assembly

NOTE: Do not remove the cover. It is not necessary for repair



31. REMOVE THE REAR CONSOLE BOX COVER

- a. Disengage the 5 claws and clip
- b. Disengage the guide and pull out the rear console box cover as shown in the illustration
- c. Disconnect the connectors to remove the rear console box cover

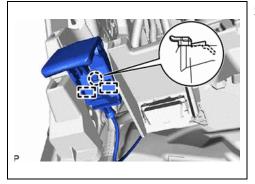


32. REMOVE CONSOLE BOX CARPET



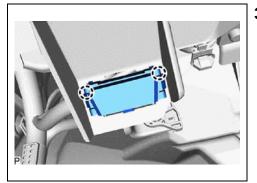
33. REMOVE REAR CONSOLE BOX ASSEMBLY

- a. Remove the bolt
- b. Disengage the 2 clips and guide to remove the rear console box assembly



34. SEPARATE HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

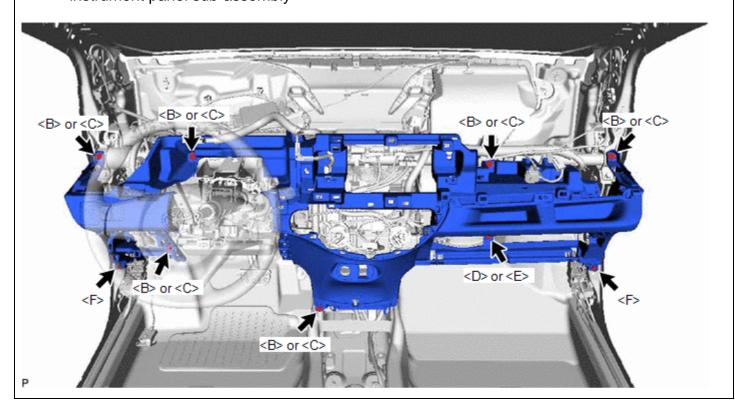
a. Disengage the claw and 2 guides to separate the hood lock control lever

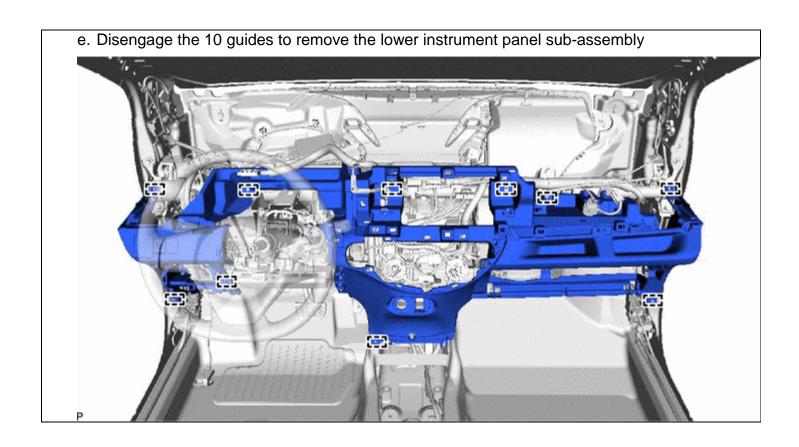


35. REMOVE LOWER INSTRUMENT PANEL SUB-ASSEMBLY

a. Disengage the 2 claws to disconnect the DLC3 connector

- b. Disengage the clamps
- c. Disconnect the connectors
- d. Remove the 6 or <C> bolts, <D> or <E> screw, and 2 <F> bolts from the lower instrument panel sub-assembly

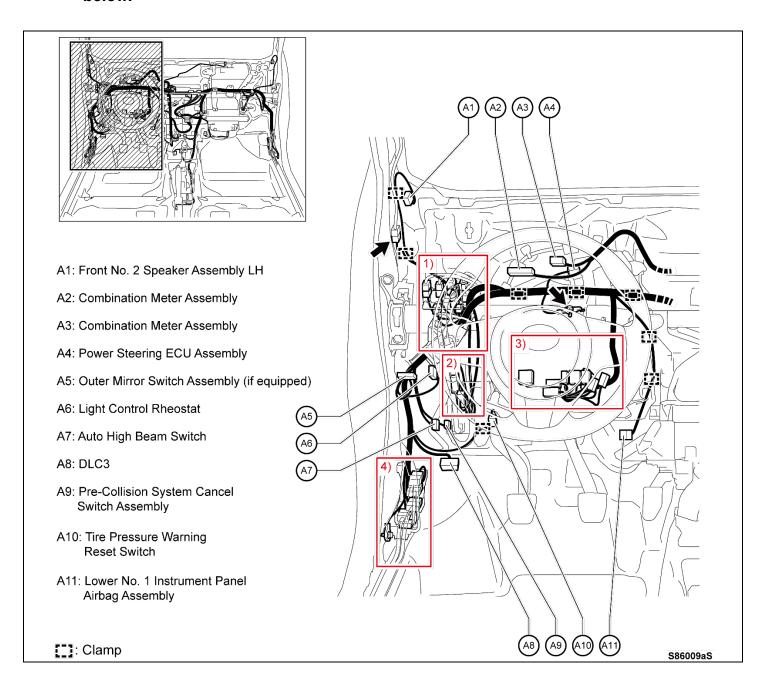




36. REMOVE INSTRUMENT PANEL WIRE

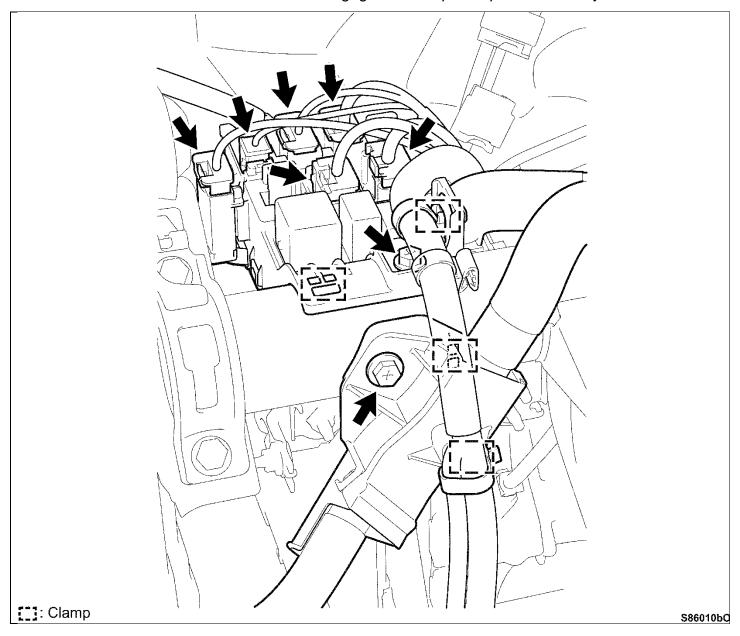
a. Disconnect the connectors, disengage the clamps, and remove the screws, bolts etc. shown in the illustration

- Print this page as a check sheet, and put a mark after each disconnection or removal.
- **DO NOT** dispose of the check sheet but use it also when installing a **NEW** instrument panel wire.
- See the following pages for detailed information on sections 1) to 4) in the illustration below.



1) Instrument panel relay box

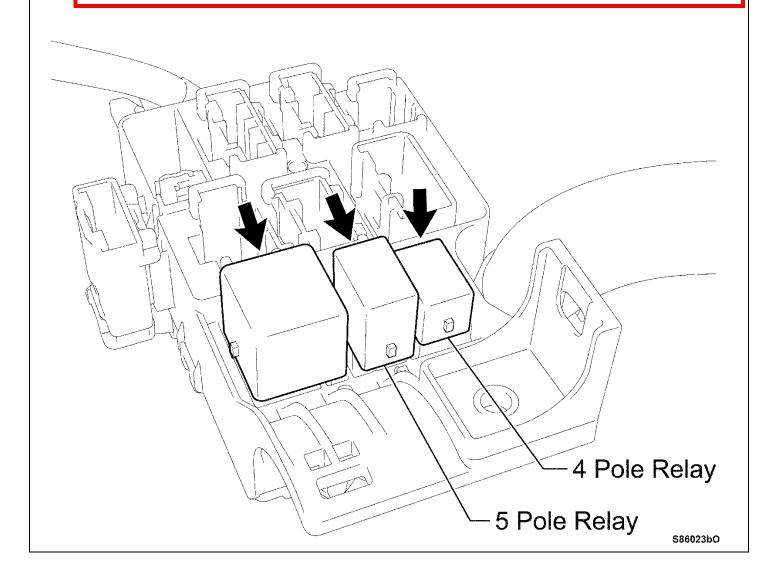
- i. Disconnect the 6 engine room main wire connectors from the instrument panel relay box
- ii. Disengage the 3 clamps
- iii. Remove the 2 screws and disengage the clamp to separate the relay box

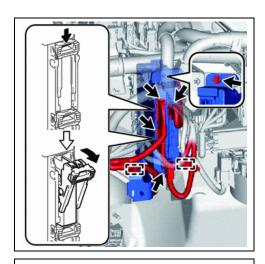


iv. Remove the 3 relays from the detached instrument panel relay box, and then install them to the relay box of the **NEW** instrument panel wire as shown

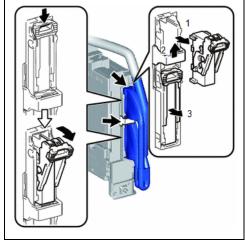


DO NOT install the small relays in opposite positions. One is a 4 pole relay and the other is a 5 pole relay.



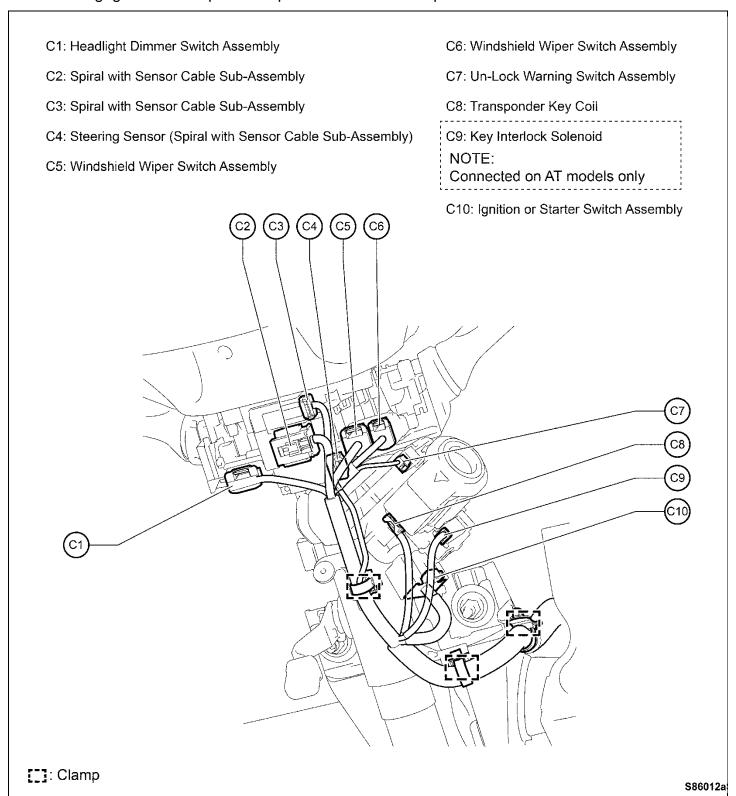


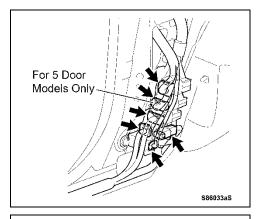
- 2) Instrument panel junction block
- i.
- ii.
- Disengage the clamps
 Disconnect the connectors on the front side
 Remove the bolt and separate the junction block iii.



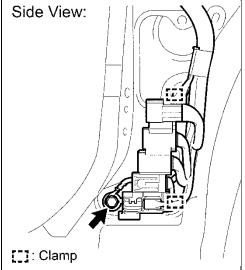
Disconnect the back-side connectors and remove the ίV. junction block as shown in the illustration

- 3) Disconnect steering column lower section connectors and clamps
- i. Disconnect the connectors
- ii. Disengage the 3 clamps and separate the instrument panel wire





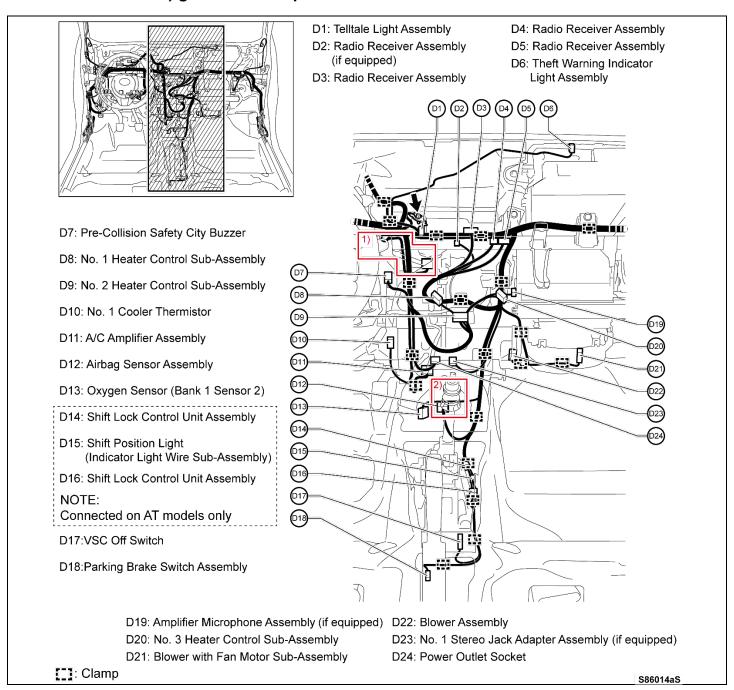
- 4) Disconnect the connectors on the RH cowl side section
- Disconnect the floor wire connectors from the connector holder on the LH cowl side



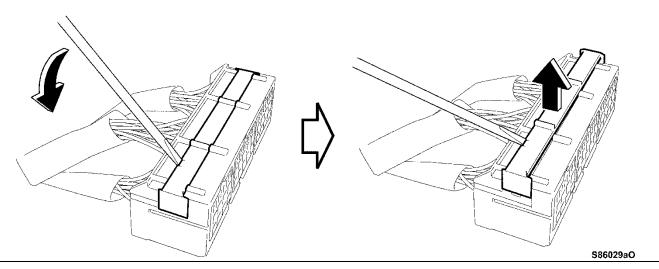
- ii.
- Disengage the 2 clamps Remove the ground bolt and separate the connector iii. holder

b. Disconnect the connectors, disengage the clamps, and remove the bolts shown in the illustration

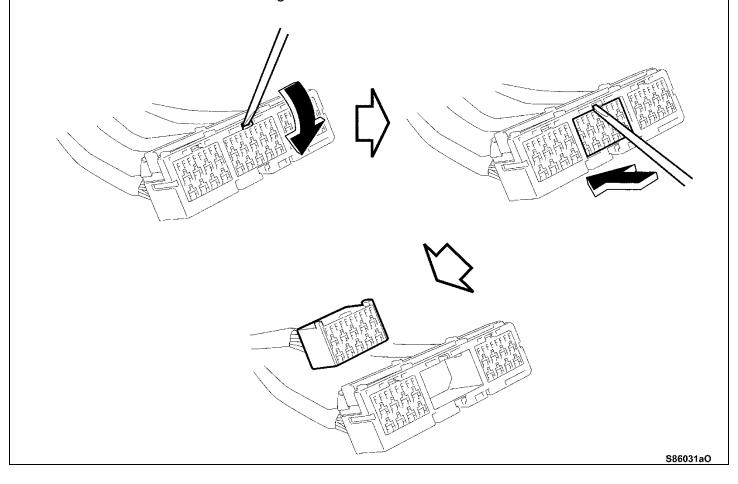
- Print this page as a check sheet, and put a mark after each disconnection or removal.
- DO NOT dispose of the check sheet but use it also when installing the NEW instrument panel wire.
- See the following pages for detailed information on sections 1) and 2) in the illustration below.
- For Section 1) go to the Transponder ECU section



- 2) Airbag sensor assembly connector
- i. Disconnect the connector from the airbag sensor assembly
- ii. Using a thin-bladed screwdriver, lift up the retainer to unlock the connector

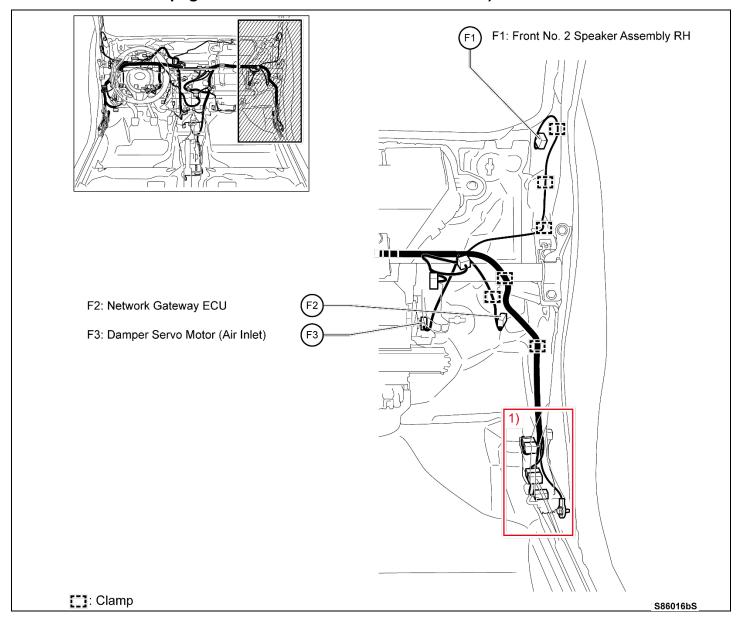


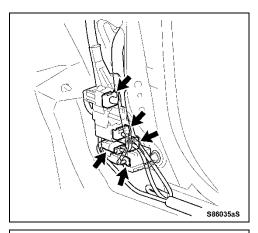
- iii. Insert a thin-bladed screwdriver to the location shown in the illustration below and lift up the claw inside the connector housing
- iv. While lifting up the claw, push the airbag sensor assembly connector shown in the illustration out from the connector housing



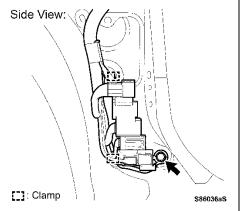
c. Disconnect the connectors, disengage the clamps and remove the bolt shown in the illustration

- Print this page as a check sheet, and put a mark after each disconnection or removal.
- DO NOT dispose of the check sheet but use it also when installing the NEW instrument panel wire.
- See the next page for detailed information on section 1) in the illustration below.





- 3) Disconnect the connectors on the RH cowl side section
 - i. Disconnect the 5 floor wire connectors from the connector holder on the RH cowl side



- ii. Disengage the 2 clampsiii. Remove the ground bolt and separate the connector holder

VII. INSTALL INSTURMENT PANEL WIRE HARNESS

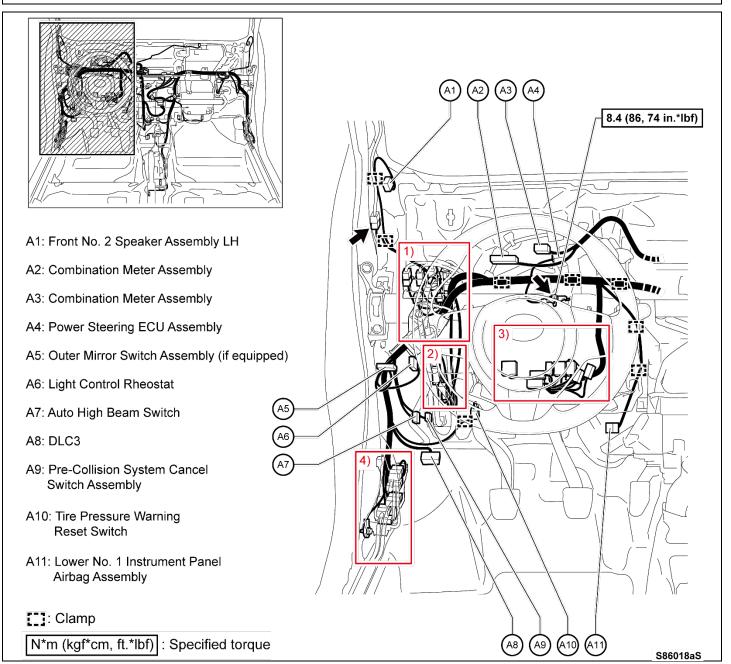
1. INSTALL NEW INSTRUMENT PANEL WIRE

a. Connect the connectors, engage the clamps and install the screws, bolt etc. shown in the illustration

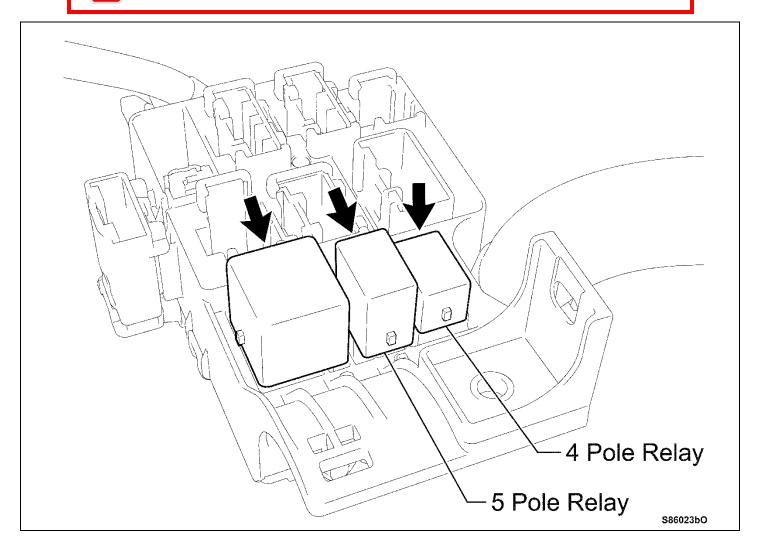
Torque:

74 in-lbf {8.4 N.m, 86 kgf.cm}

- Put a mark on the check sheet after each connection or installation, to ensure that all parts are connected.
- See the following pages for detailed information on sections 1) to 4) in the illustration below.



Confirm that the 3 relays are installed to the relay box of the *NEW* instrument panel wire.

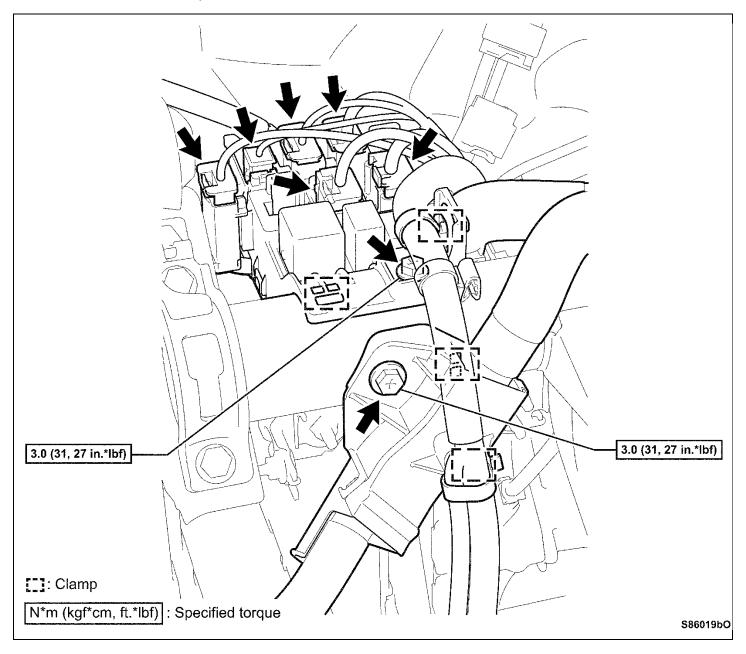


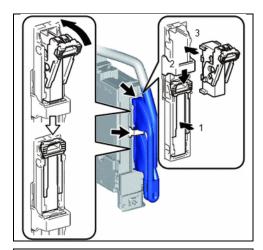
- 1) Instrument panel relay box
- i. Install the 2 screws and engage the clamp

Torque:

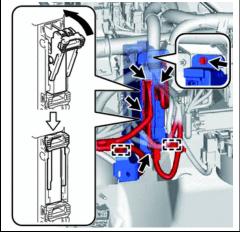
27 in-lbf {3.0 N.m, 31 kgf.cm}

- ii. Engage the 3 clamps
- iii. Connect the 6 engine room main wire connectors to the instrument panel relay box of the **NEW** instrument panel wire.





- 2) Instrument panel junction block
 - i. Connect the back-side connectors and install the instrument panel junction block as shown in the illustration



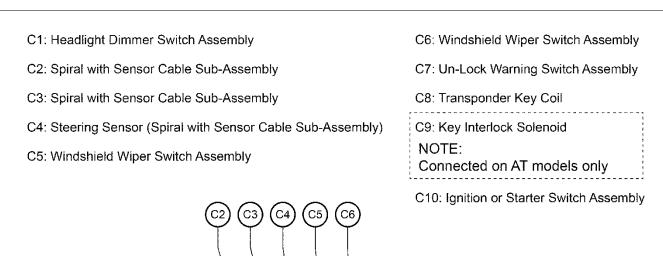
ii. Install the instrument panel junction block with the bolt

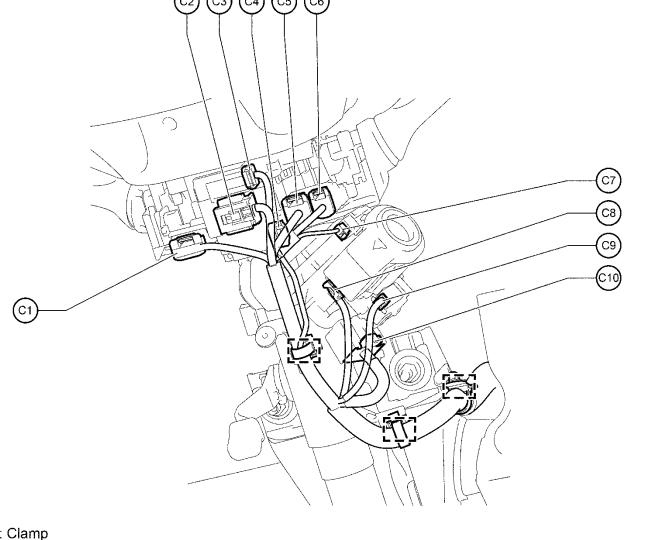
Torque:

74 in-lbf {8.4 N.m, 86 kgf.cm}

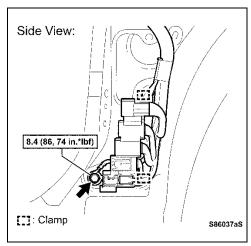
- iii. Connect the front side connectors as shown in the illustration
- iv. Engage the clamps

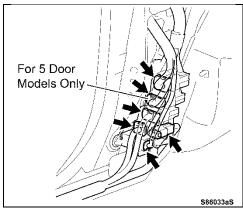
- 3) Steering column lower section
- i. Engage the 3 clamps
- ii. Connect the connectors





: Clamp S86012aS





- 4) LH cowl side section
- i. Engage the 2 clamps and install the ground bolt

Torque:

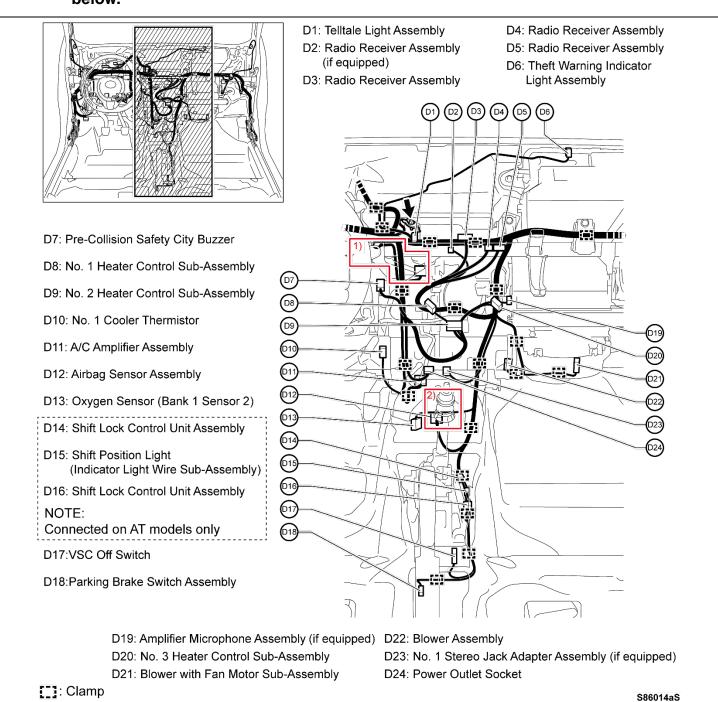
74 in-lbf {8.4 N.m, 86 kgf.cm}

ii. Connect the floor wire connectors to the connector holder of the **NEW** instrument panel wire on the LH cowl side

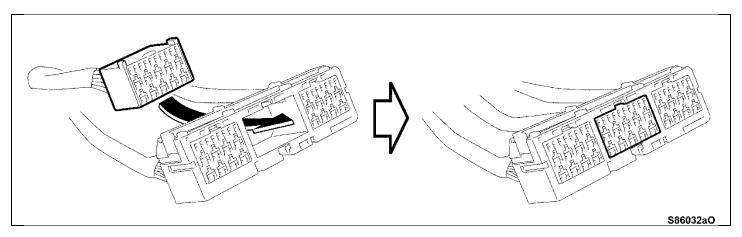
b. Connect the connectors, engage the clamps and install the bolt shown in the illustration. **Torque:**

74 in-lbf {8.4 N.m, 86 kgf.cm}

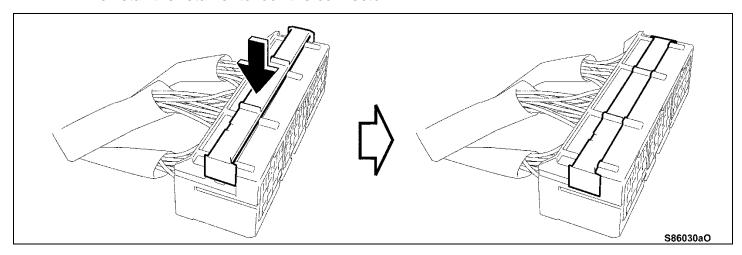
- Put a mark on the check sheet after each connection or installation, to ensure that all parts are connected.
- See the following pages for detailed information on section 2) in the illustration below.



- Airbag sensor assembly connector section
 Push the airbag sensor assembly connector into the connector housing until it clicks

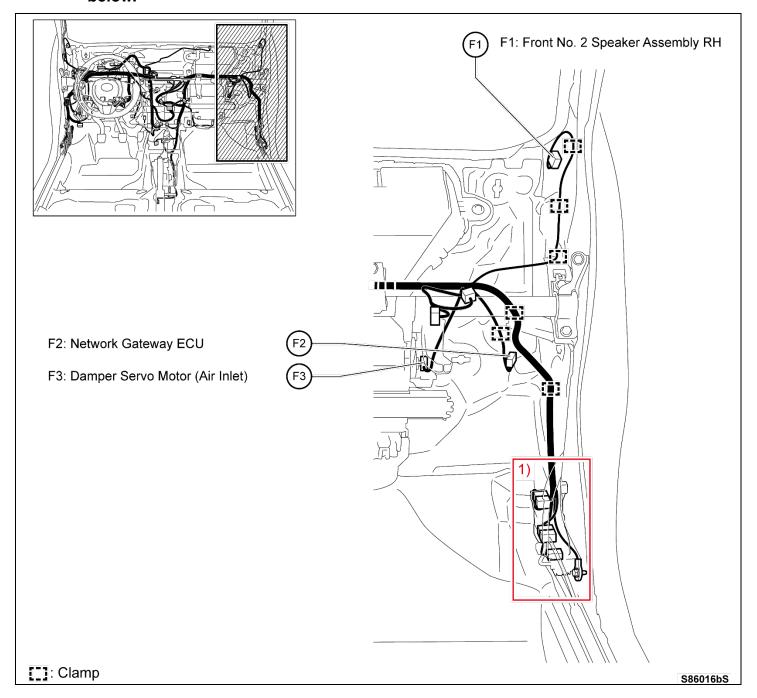


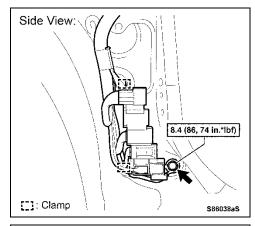
ii. Reinstall the retainer to lock the connector



c. Connect the connectors, engage the clamps, and install the bolt shown in the illustration

- Put a mark on the check sheet after each connection or installation, to ensure that all parts are connected.
- See the following pages for detailed information on sections 1) in the illustration below.

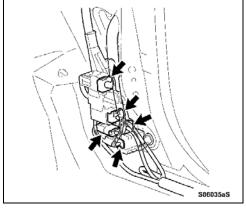




1) RH cowl side section

iii. Engage the 2 clamps and install the ground bolt

Torque: 74 in-lbf {8.4 N.m, 86 kgf.cm}



iv. Connect the 5 floor wire connectors to the connector holder of the NEW instrument panel wire on the RH cowl side

- 2. REINSTALL THE LOWER INSTRUMENT PANEL SUB-ASSEMBLY 2017 Yaris Lower Instrument Panel
- 3. REINSTALL THE UPPER INSTRUMENT PANEL SUB-ASSEMBLY 2017 Yaris Upper Instrument Panel
- 4. RECONNECT THE CABLE TO THE NEGATIVE BATTERY TERMINAL
- 5. PERFORM HEALTH CHECK USING TECHSTREAM
- 6. INSPECT SRS WARNING LIGHT
- 7. RESTORE SETTINGS AFTER RECONNECTING CABLE TO NEGATIVE BATTERY TERMINAL

2017 Yaris Initialization

■ VERIFY REPAIR QUALITY ▶

Check for proper HVAC Operation
Check for proper operation of headlights and turn signals
Check for proper operation of the radio
Check for proper operation of the horn

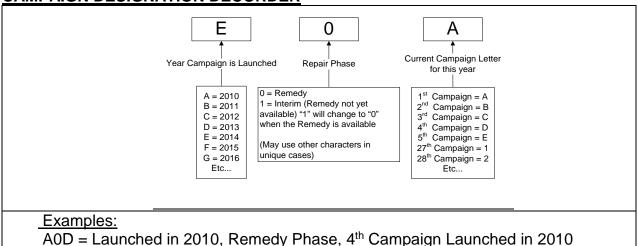
If you have any questions regarding this update, please contact your regional representative.

VIII. 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



B1E = Launched in 2011, Interim Phase, 5th Campaign Launched in 2011 C1C = Launched in 2012, Interim Phase, 3rd Campaign Launched in 2012