



TOYOTA

LC200

AUGUST 2018 PRODUCTION ONWARDS

Part No: PZQ85-33270

Fitting Time: 45 minutes

Dash Camera

Fitting Instruction

General Notes

- Read through the fitting instructions before installation of accessory.
- Always install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- It is always recommended that this accessory is fitted by a qualified Toyota Technician.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

Safety Notes





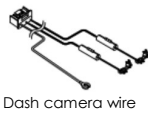










- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.



Fitting Time



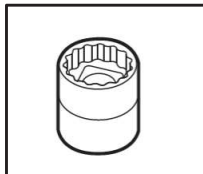
Parts Supplied

| | | | | | |
|--|--|---|---|--|---|
| A  Dash camera module x 1 | B  End cap x 1 | C  Micro SD card x 1 | D  Cable guide cord x 1 | E  Dash camera wire harness x 1 | F  200mm Cable ties x 18 |
| G  Protection tape x 3 (NOT USED) | H  Harness tape x 2 | I  Wire harness clip x 1 (NOT USED) | J  Blue splice connector, red wire (0.3) x 1 | K  Blue splice connector, yellow wire (0.3) x 1 (NOT USED) | L  White splice connector, red wire (0.85) x 1 (NOT USED) |
| M  White splice connector, yellow wire (0.85) x 1 (NOT USED) | N  CLEANER Alcohol wipe x 1 | O  Owner Manual | | | |

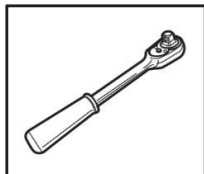
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– Tools and Material Required



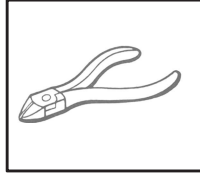
8mm and 10mm



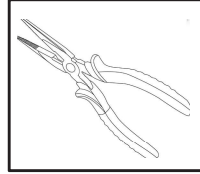
Ratchet



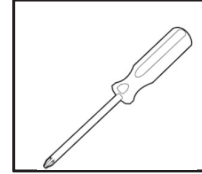
10mm Torque Wrench
(pre-set to 8.5Nm)



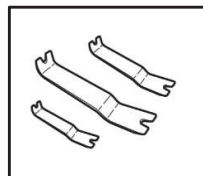
Side cutter



Plier



Phillip head screw



Trim removal tool

– Step 1

Important



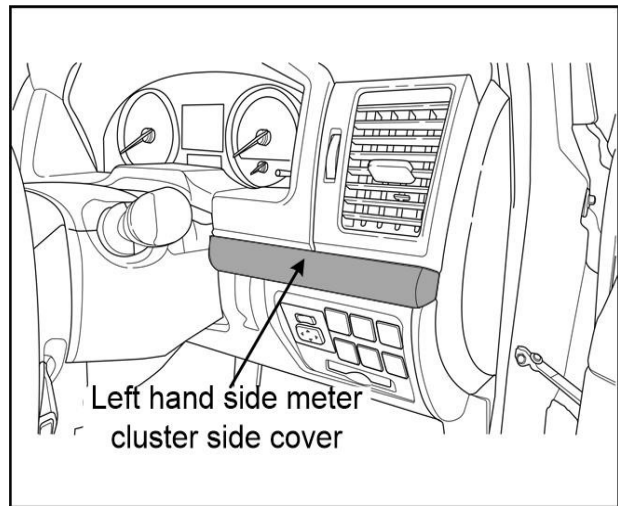
Always refer to the vehicle's Workshop Manual when removing vehicle components.

Important



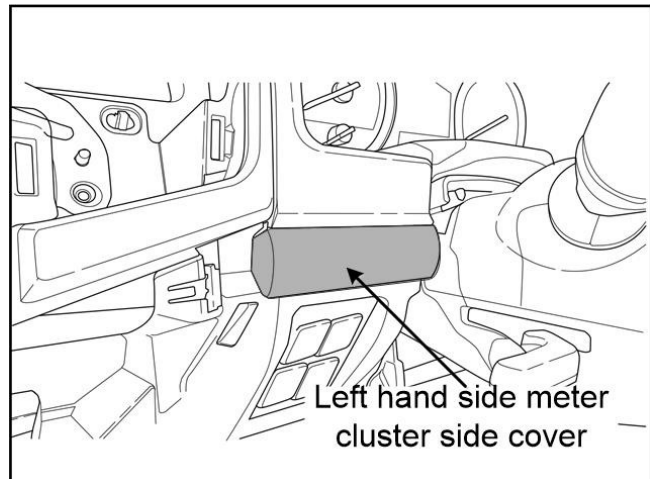
For Step 1 to Step 4
To remove meter cluster panel and combination meter, the steering wheel need to be adjust. If the vehicle come with automatic telescopic steering wheel, to adjust the steering wheel, ACC need to be switch ON.

- Remove meter cluster left hand side cover panel



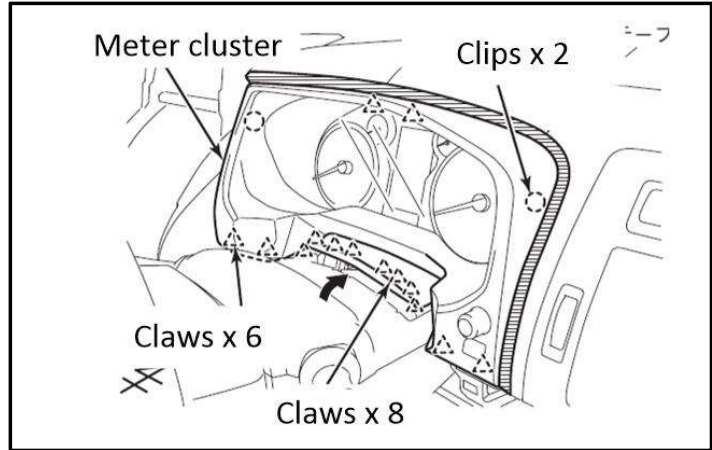
– Step 2

- Remove meter cluster right hand side cover panel



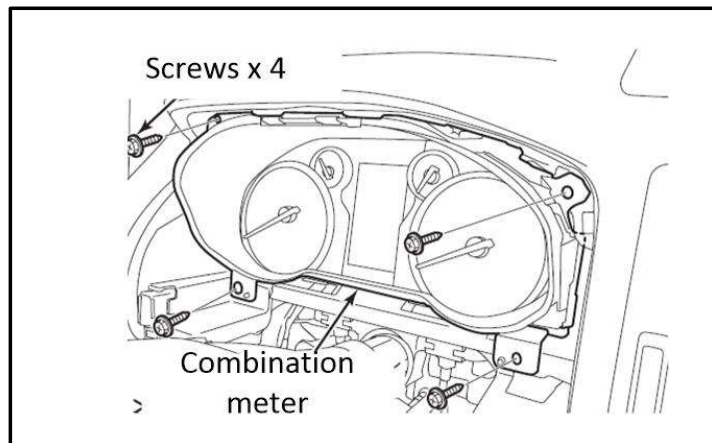
– Step 3

- Remove meter cluster as shown.

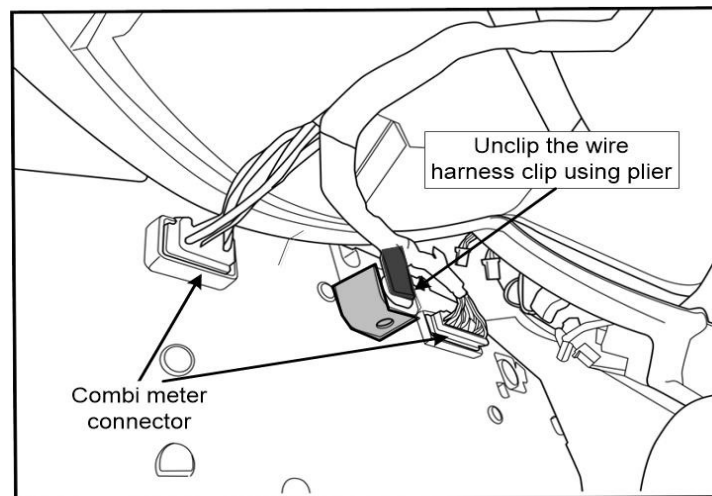


– Step 4

- Remove combination meter as shown.

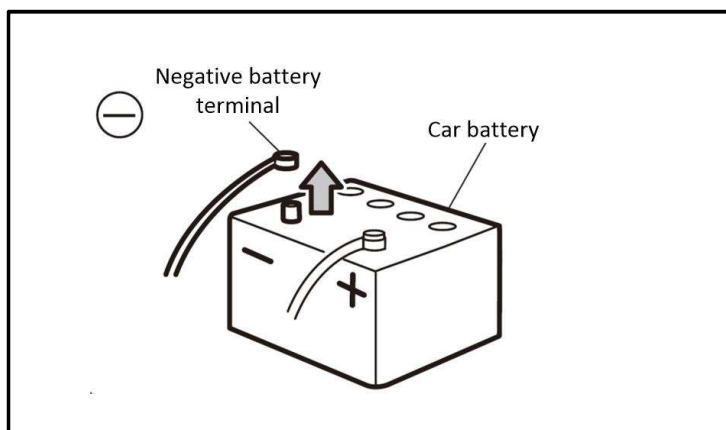


- Remove all connectors on the combination meter.
- Unclip the combi meter wire harness clip using plier



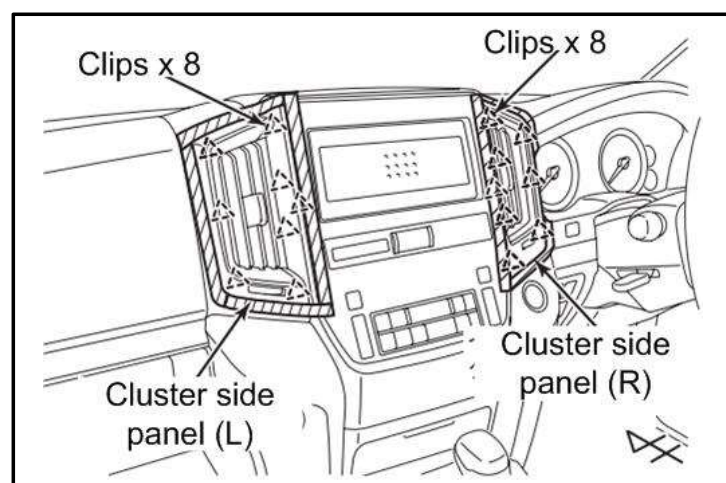
– Step 5 –

- Disconnect the negative battery terminal.



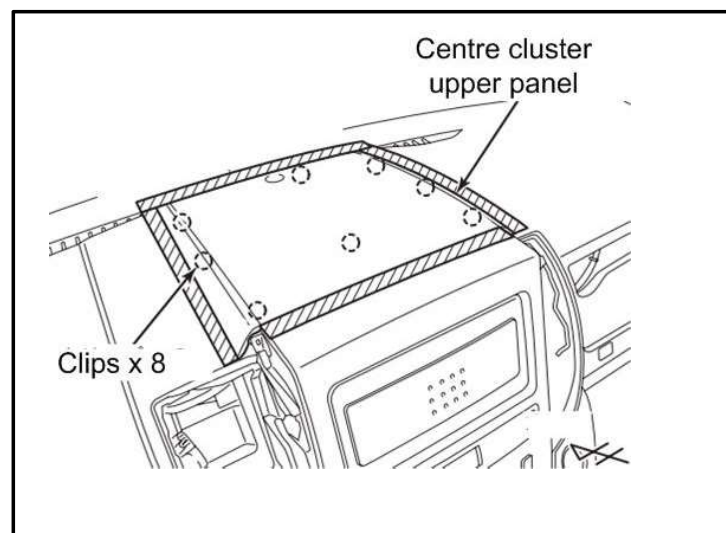
– Step 6 –

- Remove left hand side and right hand side cluster side panel.



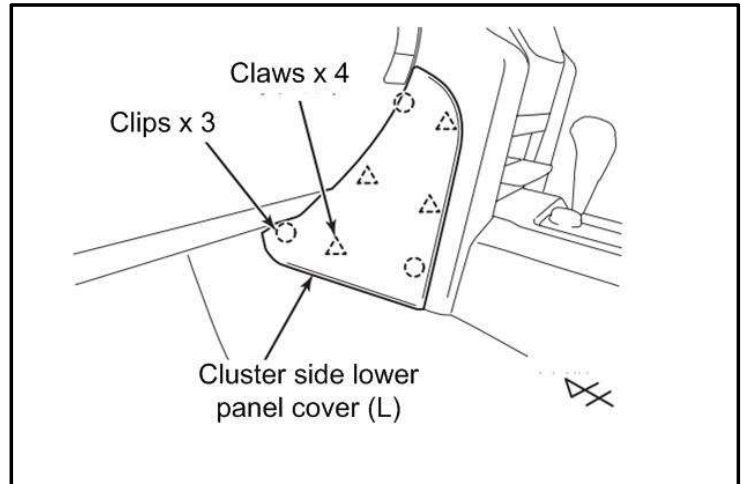
– Step 7 –

- Remove centre cluster upper panel.



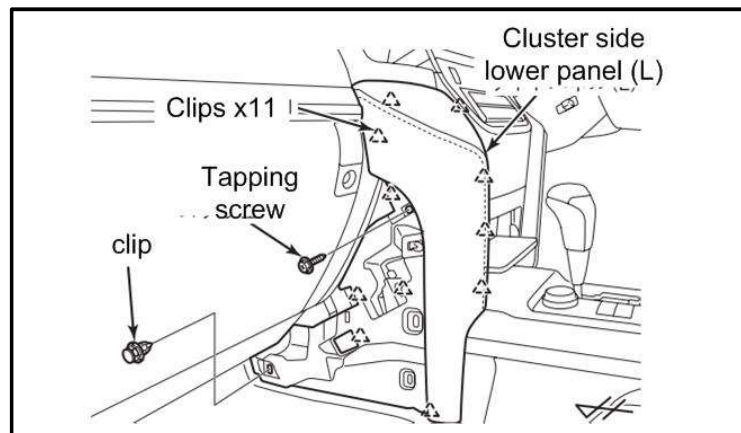
– Step 8

- Remove left hand side cluster side lower panel cover.



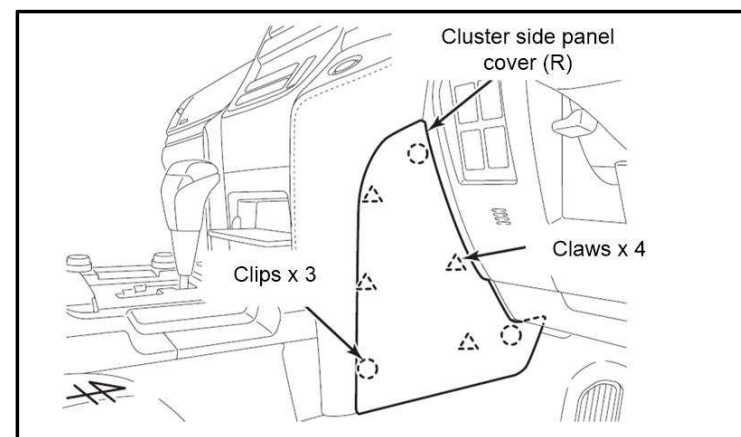
– Step 9

- Remove left hand side cluster side lower panel



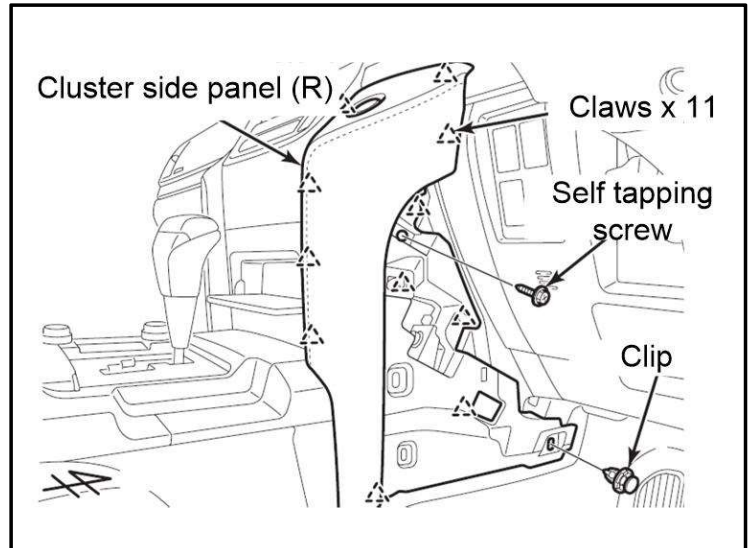
– Step 10

- Remove right hand side cluster side lower panel cover.



– Step 11 –

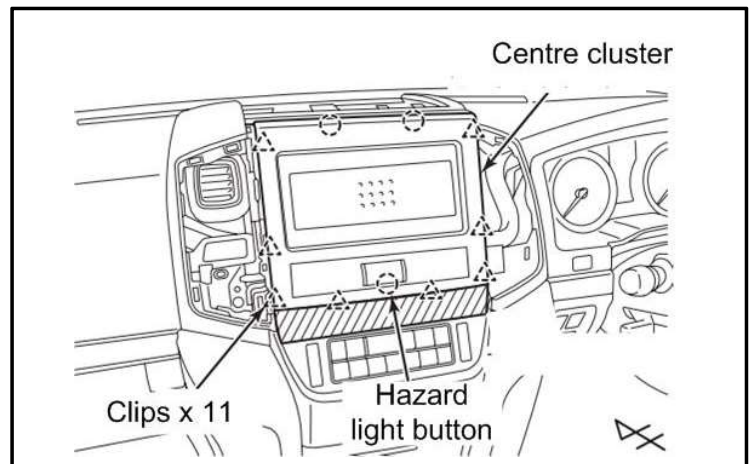
- Remove right hand side cluster side lower panel.



– Step 12 –

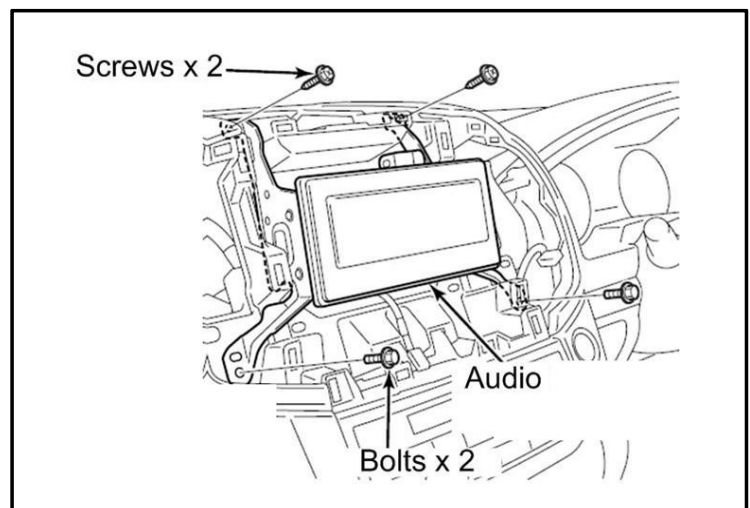
STEP 12 TO STEP 15 IS FOR GX AND GXL GRADE. FOR VX AND SAHARA GRADE GO STRAIGHT TO STEP 15

- Remove centre cluster



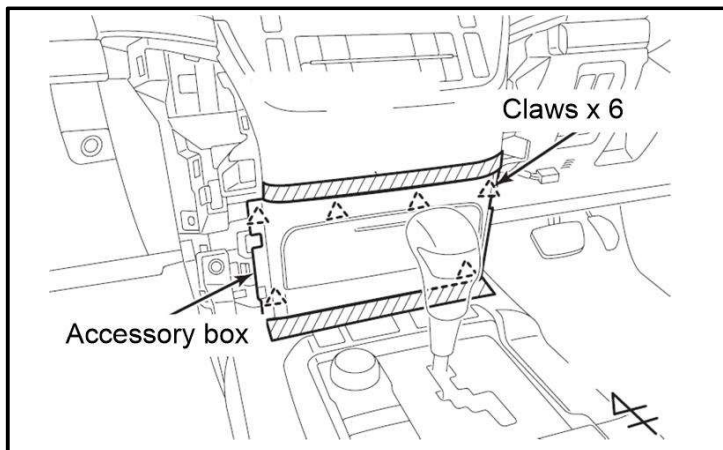
– Step 13 –

- Remove audio assembly.



– Step 14

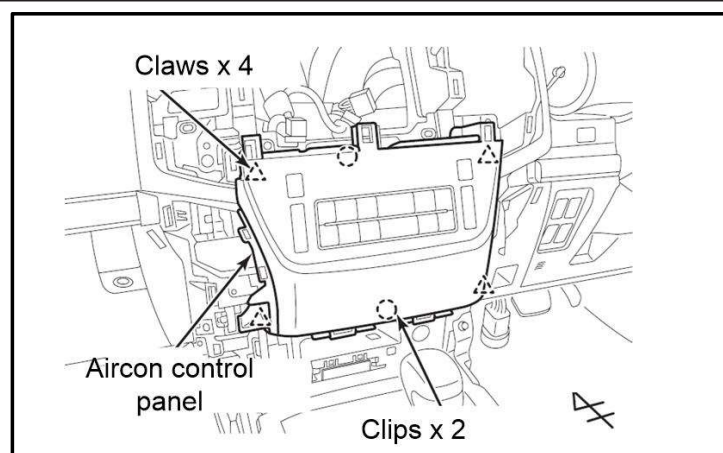
- Remove accessory box



– Step 15

- Remove left hand side assist grip.
- Remove left hand side A-Pillar panel as shown.

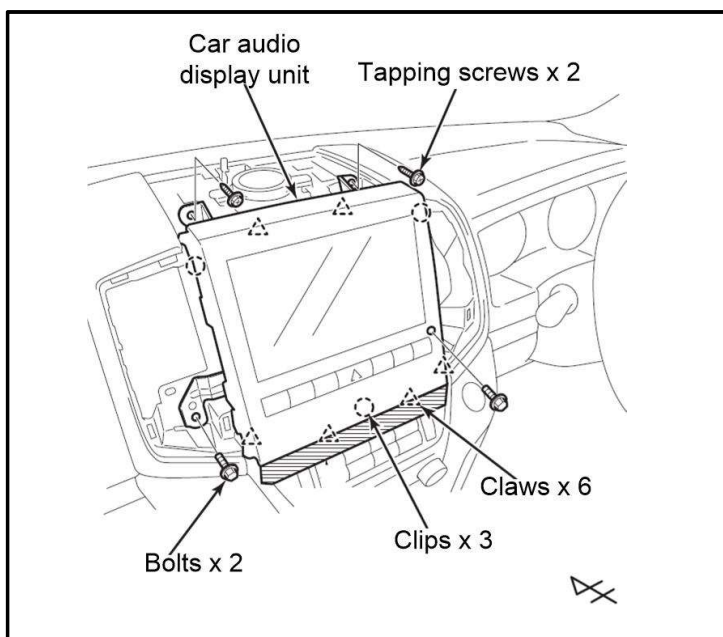
GO STRAIGHT DIRECTLY TO STEP 18



– Step 16

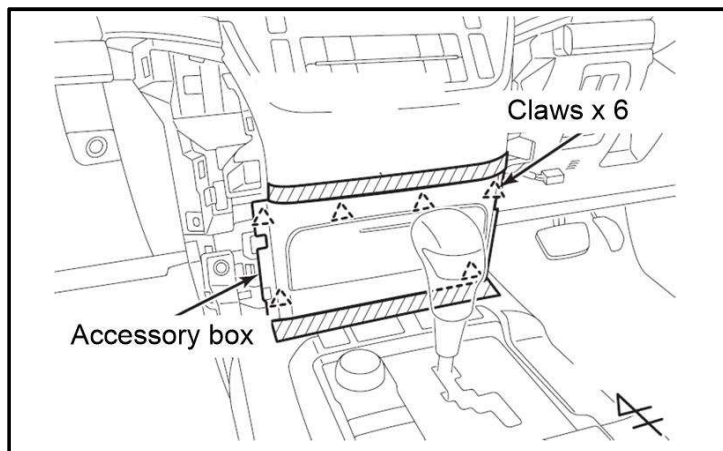
STEP 16 TO STEP 18 IS FOR VX AND SAHARA GRADE. FOR GX AND GXL GRADE GO STRAIGHT TO STEP 19

- Remove car audio display unit



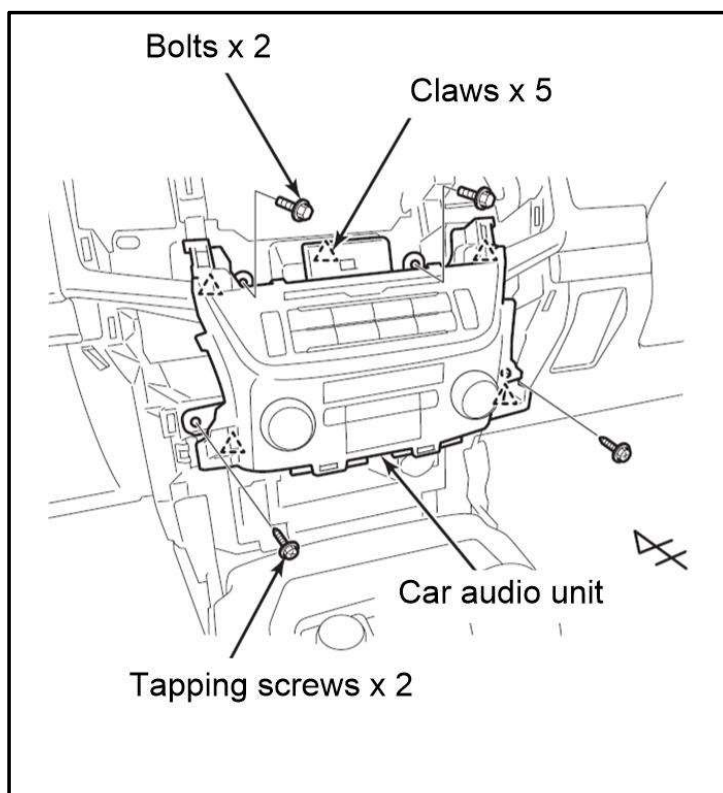
– Step 17 –

- Remove accessory box



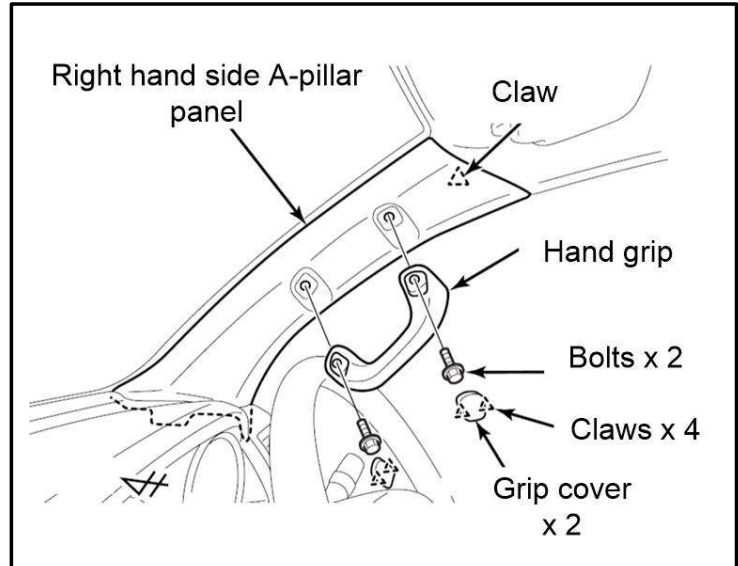
– Step 18 –

- Remove car audio and aircon control assembly unit.



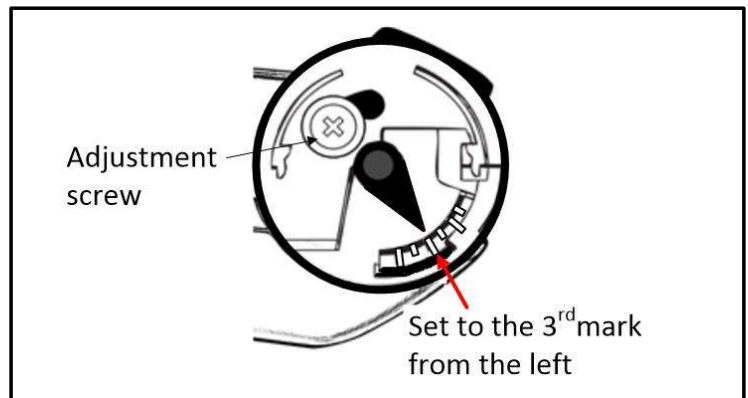
– Step 19 –

- Remove right hand side A-Pillar panel



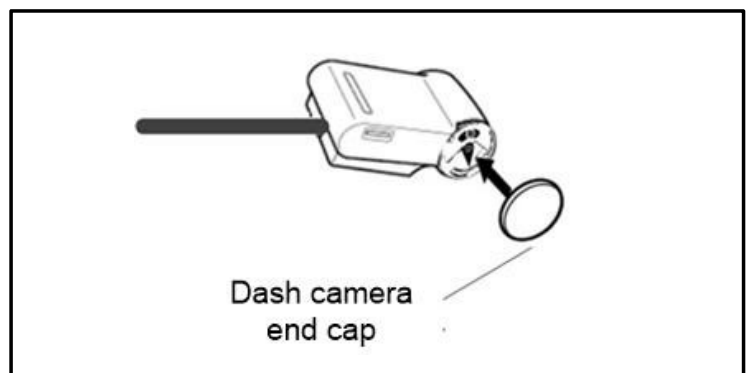
– Step 20 –

- Untighten the adjustment screw of the Dash camera
- Adjust the camera lens position to the 3rd mark from the left as per instruction



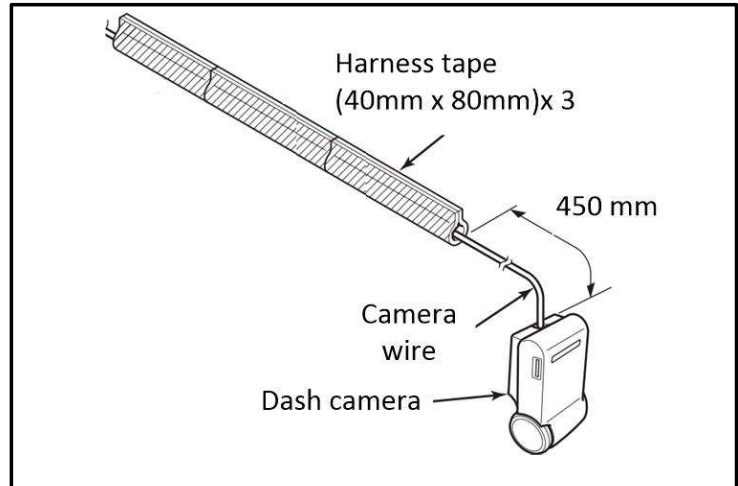
– Step 21 –

- Install the dash camera end cap




– Step 22

- Prepare 3 harness tape (40mm x 80mm).
- Cover the dash camera wire as shown.



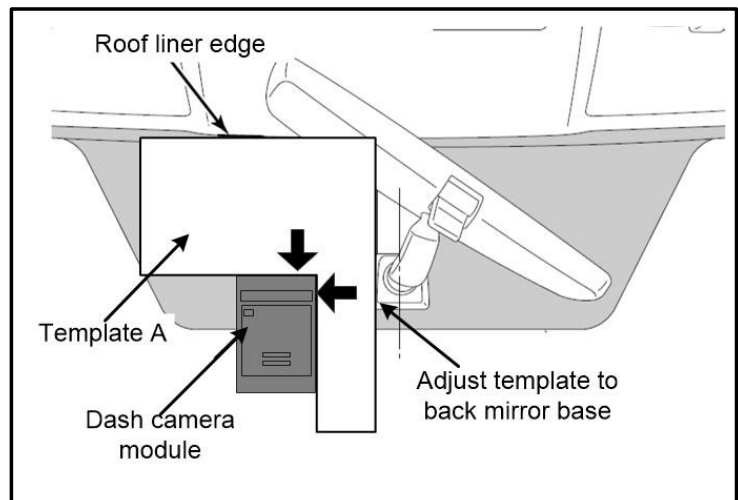
– Step 23

Important


Prior to installing, clean inside of the windscreen in the area to be installed using alcohol wipe cleaner

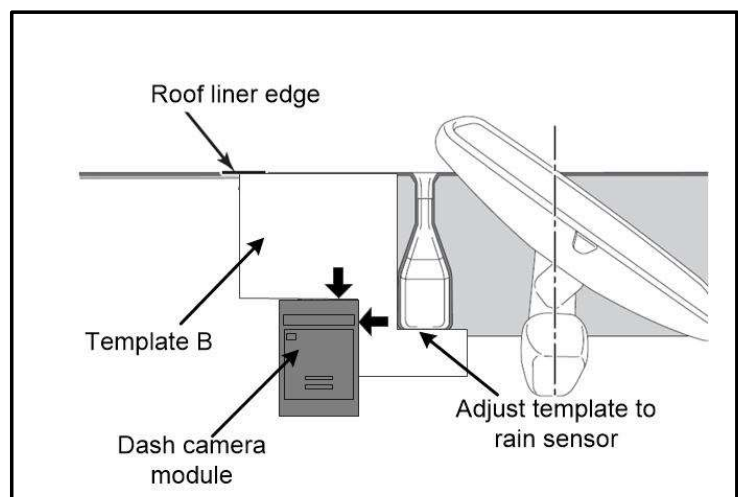
For VEHICLE WITHOUT RAIN SENSOR (GX AND GXL GRADE)

- Prepare fitting template A and adjust the template to the roof headliner edge and back mirror base as shown.
- Use sticky tape to hold the template.



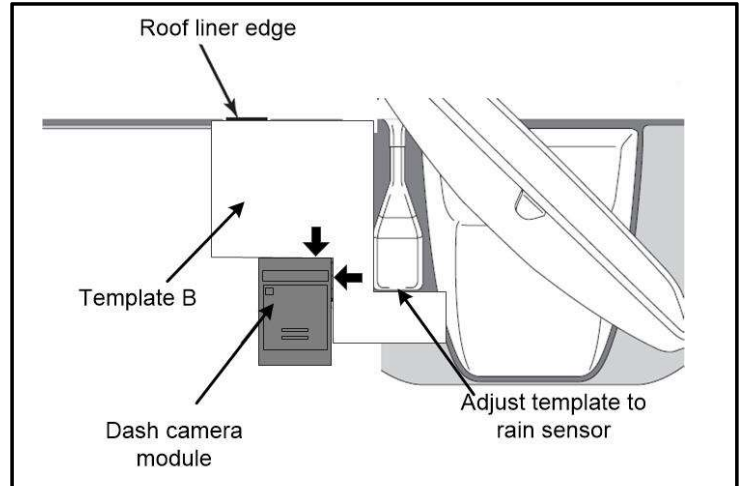
For VEHICLE WITH RAIN SENSOR ONLY (VX GRADE)

- Prepare fitting template B and adjust the template to the roof headliner edge and rain sensor as shown.
- Use sticky tape to hold the template.



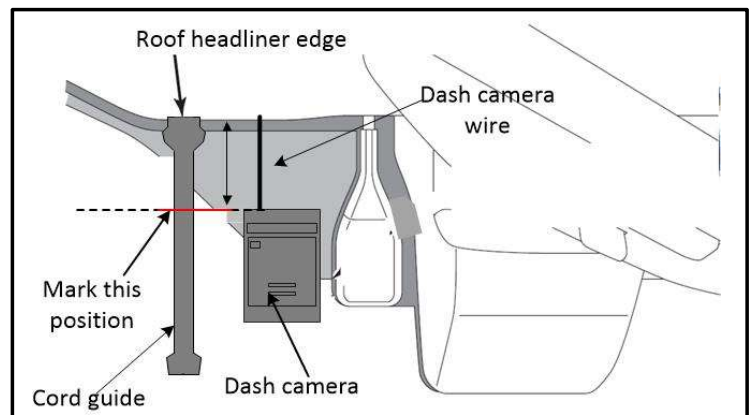
FOR VEHICLE WITH RAIN SENSOR AND TOYOTA SAFETY SENSE (SAHARA GRADE)

- Prepare fitting template B and adjust the template to the roof headliner edge and rain sensor as shown.
- Use sticky tape to hold the template.

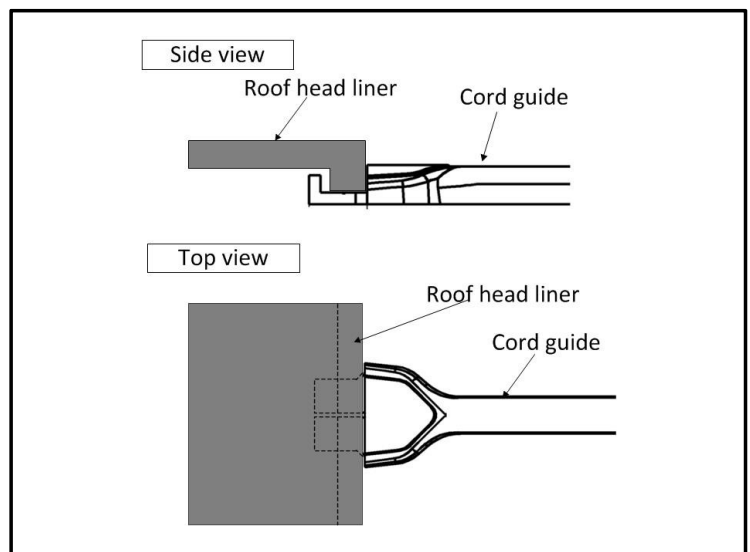


— Step 24 —

- Route the dash camera wire inside the roof headliner
- Prepare the cord guide and measure the length from the larger end to the dash camera
- Mark the desire length.



- Please see the side view and top view of the cord guide installation for reference.

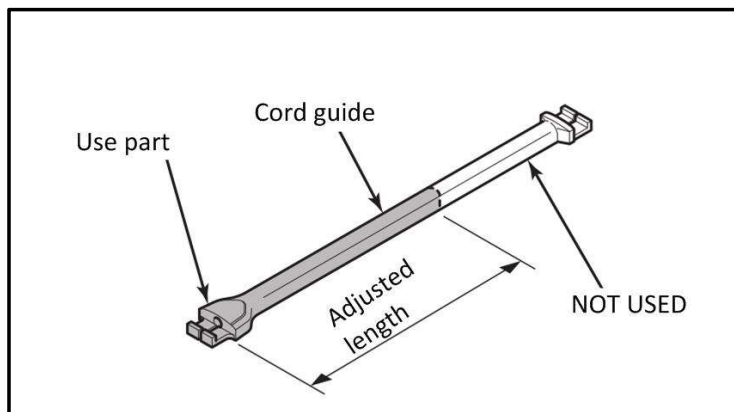


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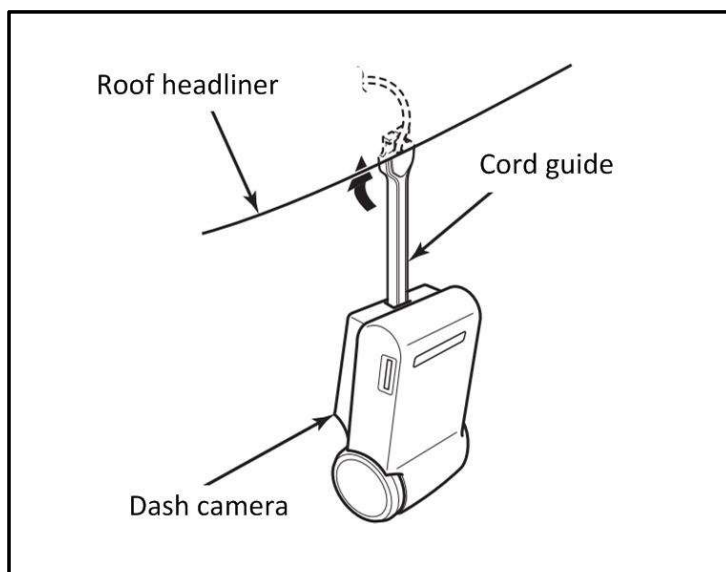
– Step 25 –

- After the measuring, cut the adjusted length of the cord guide.



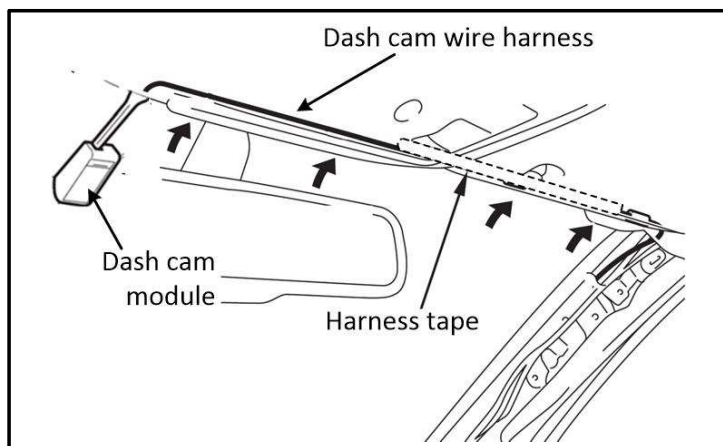
– Step 26 –

- Insert the Dash camera wire into the cord guide
- Install the cord guide to the roof headliner as shown.

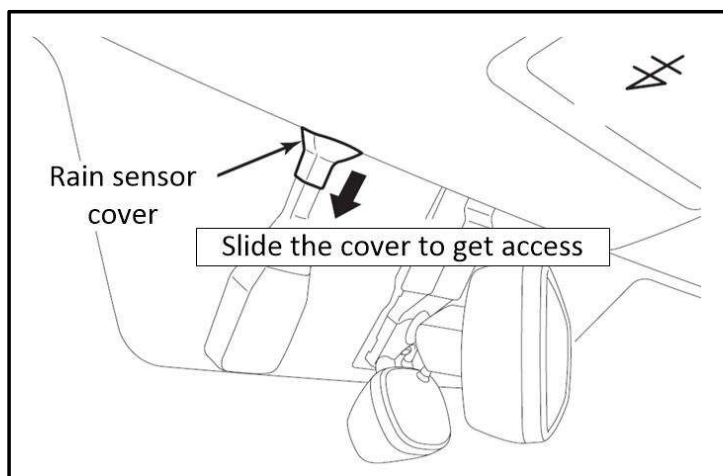


– Step 27 –

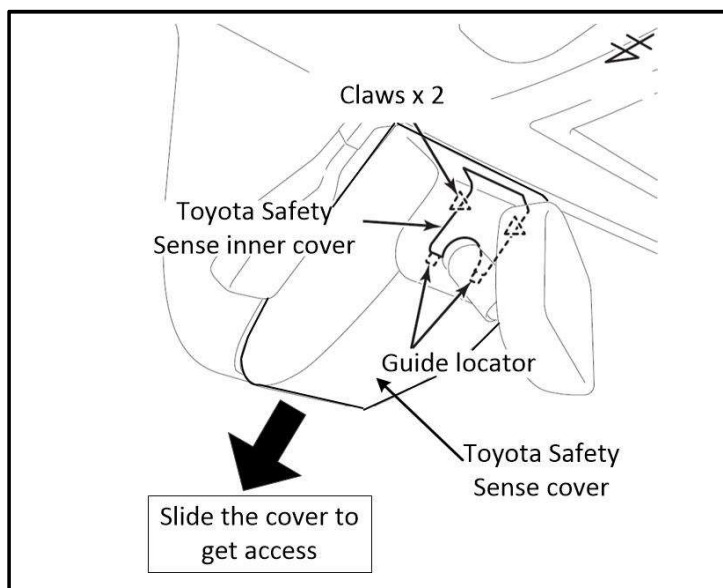
- Wire the dash cam wire harness to the right hand side A-Pillar as shown.



- For vehicle with rain sensor, slide the rain sensor cover to get access for dash cam wire

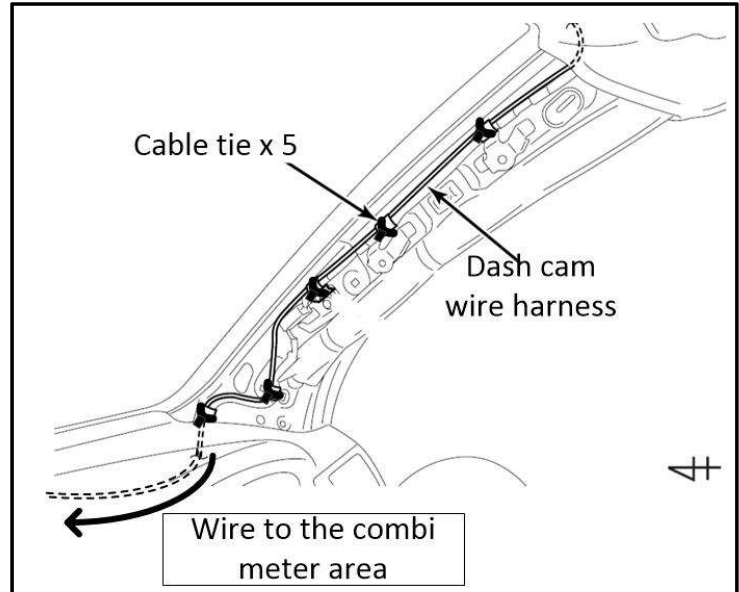


- For vehicle with Toyota Safety Sense, remove the inner cover and then slide the cover to get access for dash cam wire.



– Step 28

- Wire the dash cam wire harness to the right hand side A-Pillar.
- Wire the dash cam wire harness to the combi meter area



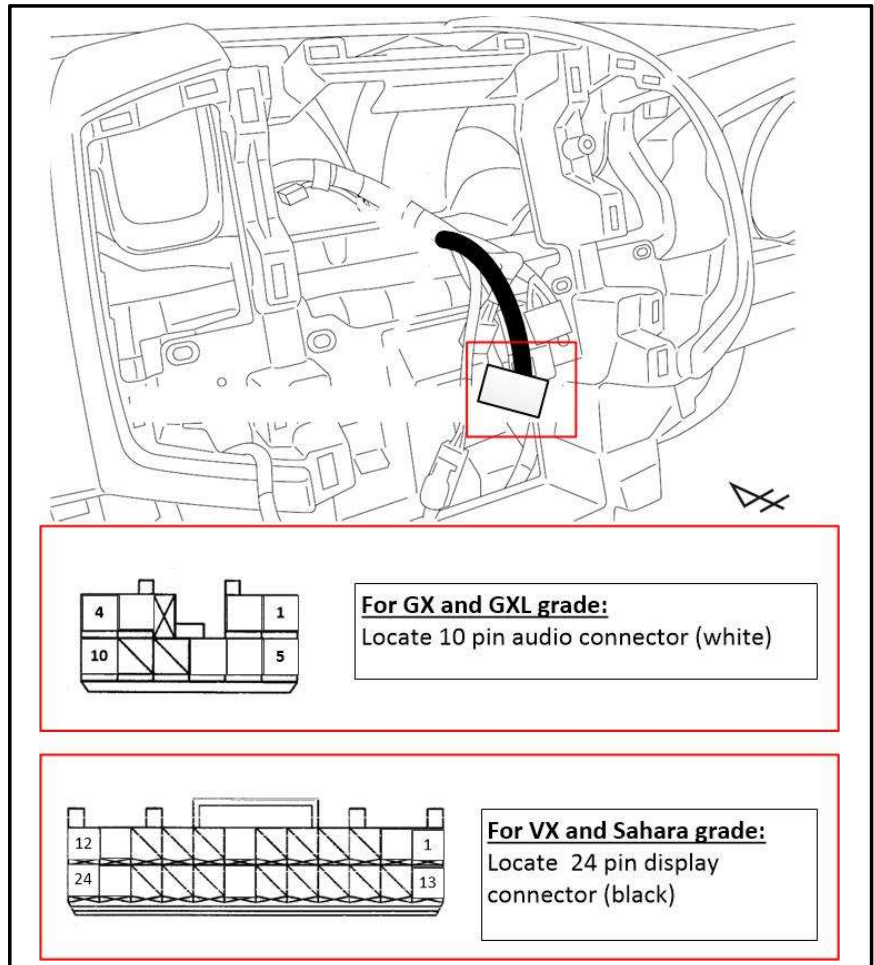
– Step 29

FOR GX AND GXL GRADE

- Locate 10 pin audio connector (White connector)

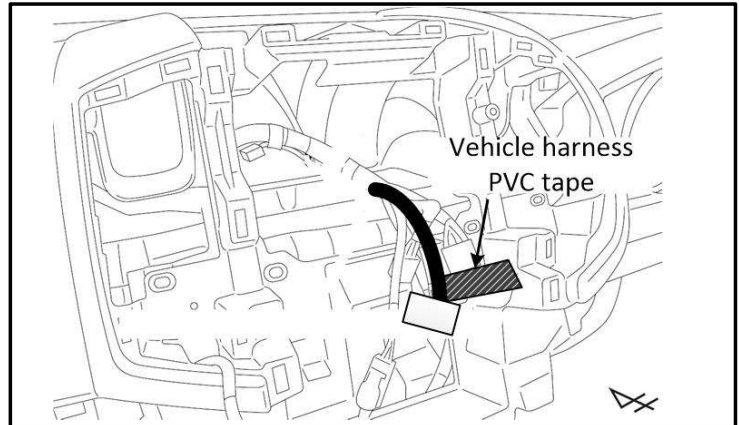
FOR VX AND SAHARA GRADE

- Locate 24 pin display connector (Black connector)



– Step 30 –

- To get better access to the battery and Acc signal, unwrap the vehicle harness PVC tape.

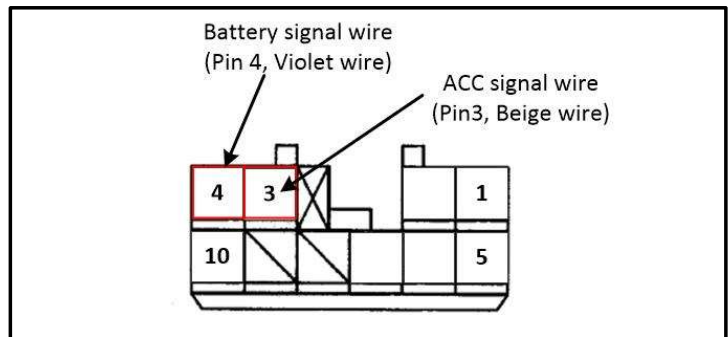


– Step 31 –

STEP 31 TO STEP 33 IS FOR GX AND GXL MODEL ONLY.

FOR VX AND SAHARA GRADE GO STRAIGHT TO STEP 34

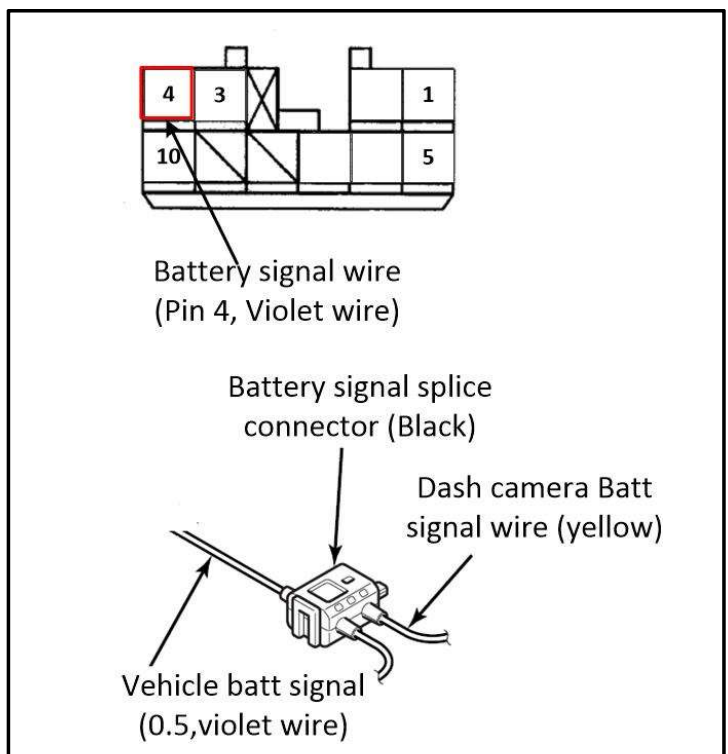
- Locate 10 Pin audio connector.
- Locate battery signal wire (pin 4, violet) and Acc signal wire (pin 3, beige)



– Step 32 –

Battery signal installation

- Prepare battery splice connector (black) from dashcam wire harness
- Locate the battery signal (pin 4, violet wire)
- Splice vehicle battery signal wire with black splice connector with yellow wire

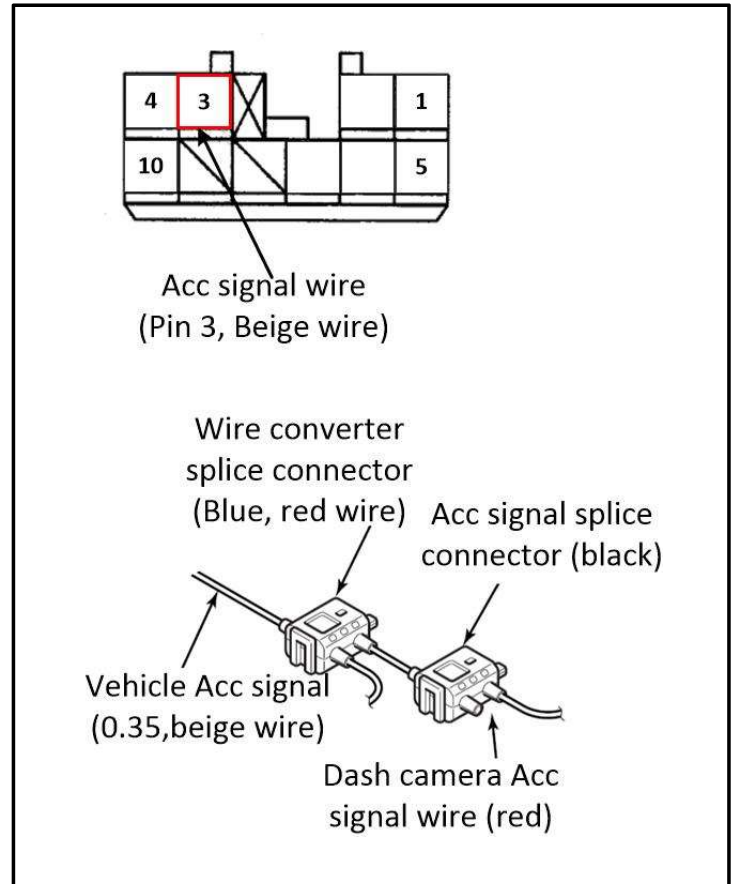


– Step 33

Acc signal installation

- Prepare red wire Blue Splice connector.
- Splice red wire of the Blue Splice connector using Black Splice connector red wire from dashcam wire harness
- Locate the vehicle Battery signal (pin 3, beige wire)
- Splice the vehicle Acc signal using Blue Splice connector with red wire.

GO STRAIGHT TO STEP 37

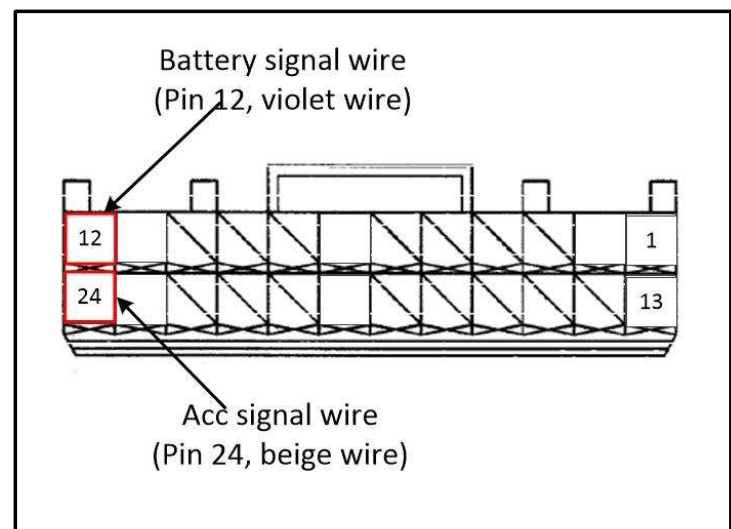


– Step 34

STEP 34 TO STEP 36 IS FOR VX AND SAHARA MODEL ONLY.

FOR GX AND GXL GRADE GO STRAIGHT TO STEP 37

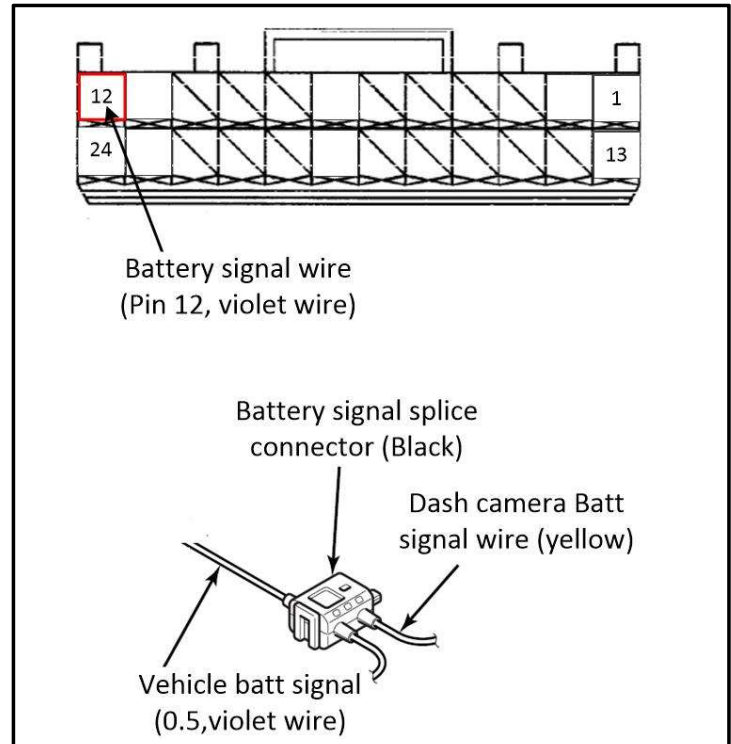
- Locate 24 Pin display unit connector.
- Locate battery signal wire (pin 12, violet)
- and Acc signal wire (pin 24, beige)



– Step 35

Battery signal installation

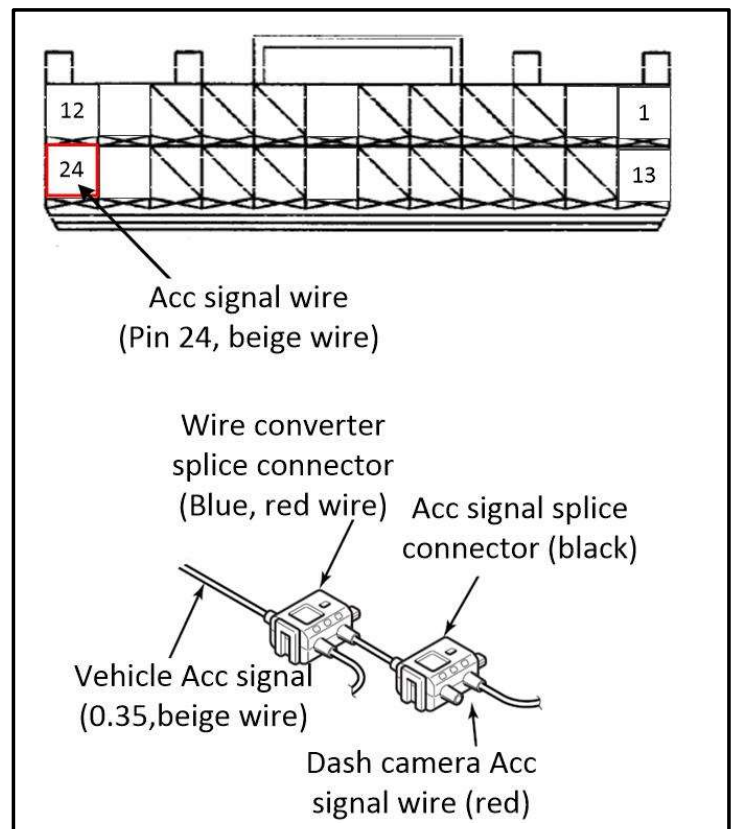
- Prepare battery splice connector (black) from dashcam wire harness
- Locate the battery signal (pin 4, violet wire)
- Splice vehicle battery signal wire with black splice connector with yellow wire



– Step 36

Acc signal installation

- Prepare red wire Blue Splice connector.
- Splice red wire of the Blue Splice connector using Black Splice connector red wire from dashcam wire harness
- Locate the vehicle Battery signal (pin 3, beige wire)
- Splice the vehicle Acc signal using Blue Splice connector with red wire.

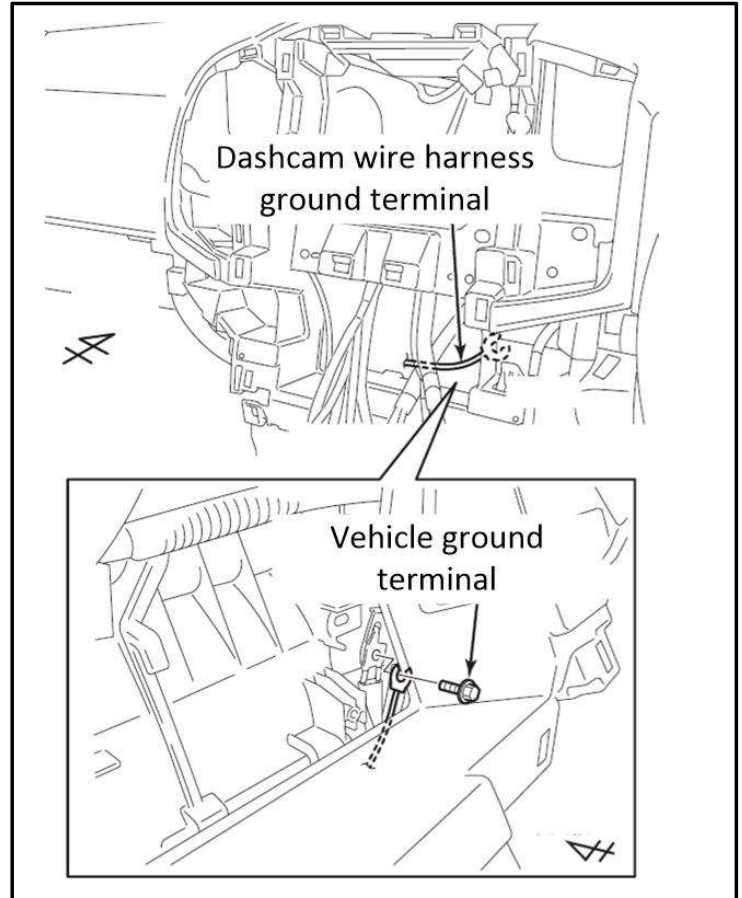


– Step 37 –

Ground signal installation

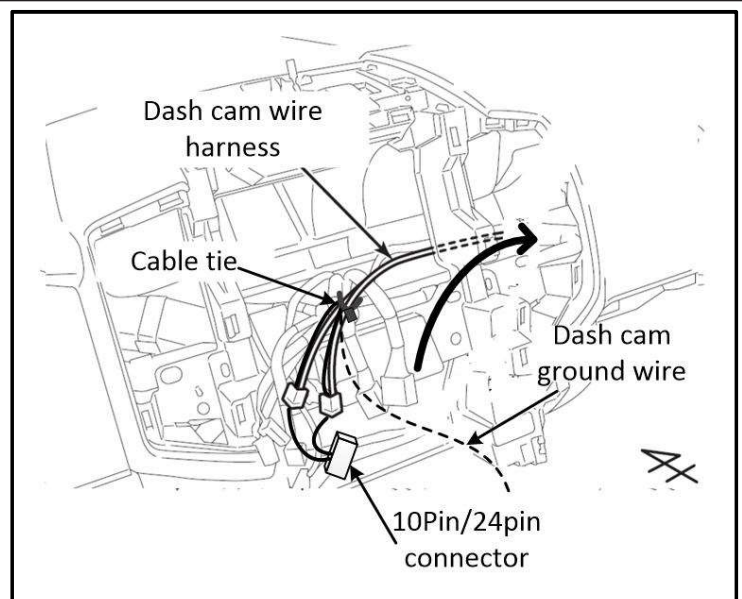
- Locate vehicle ground signal on the bottom right of the centre console area (behind the aircon control panel).
- Loosen the vehicle ground terminal's bolt.
- Insert the dash camera ground terminal.
- Tighten the terminal bolt

| | |
|--|--|
| <p>Important</p>  | <p>Re-install bolt to 8.5N.m.</p> |
|--|--|



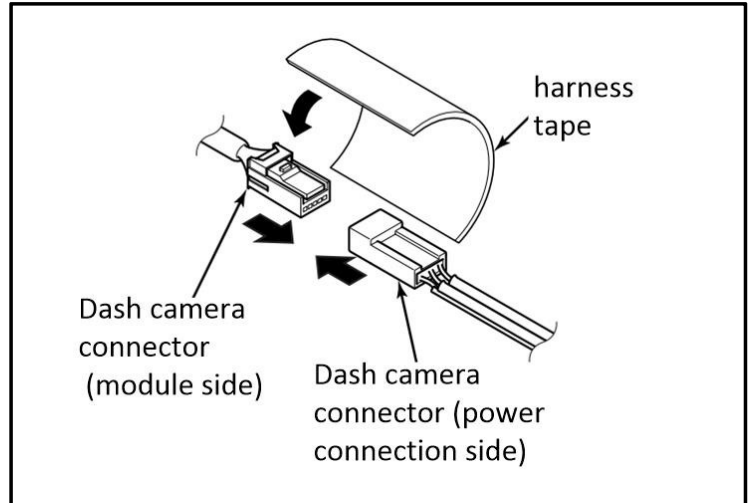
– Step 38 –

- Cable tie the dashcam wire harness to the existing vehicle harness.
- Wire the dashcam wire harness to the combi meter area.



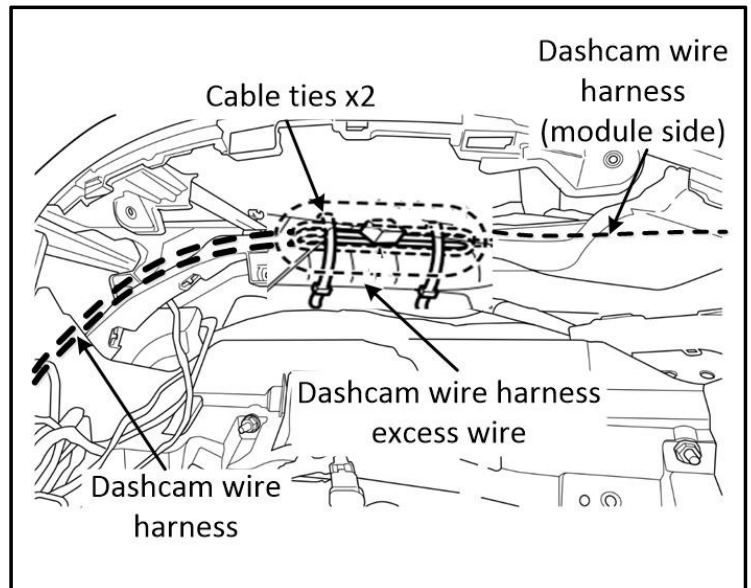
– Step 39

- Connect module side and power side interconnection connector.
- Apply harness tape.



– Step 40

- Cable tie the excess wire harness to the existing vehicle harness inside the combi meter area.

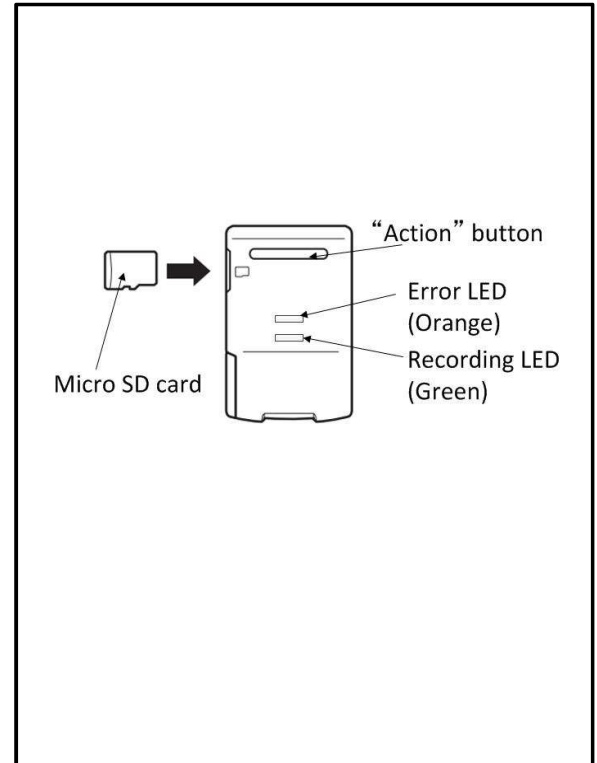






– Step 41

Dash Camera Initial Setting

- 1) Insert the Micro SD card into the Dash Camera.
- 2) Re connect the battery
- 3) Take the vehicle outside and park in open area to get proper GPS signal.
- 4) Turn off the power (ACC OFF) and wait until the Dash Camera LED light is off (for about 1 minute)
- 5) Perform the calibration setting. Press and hold "Action" button and turn the vehicle engine ON.
- 6) The Dash Camera will start the booting process. When booting process completed there will be a double high tone "beep" sound and green LED light will switch ON. Then release the "Action" button.
If there is no "beep" sound, repeat step 4) – 6) again.
- 7) Switch OFF the vehicle engine, and wait until the Dash Camera LED light is OFF (for about 1 minute).
- 8) Start the vehicle engine again

Check the error light. If the error light is still ON, repeat step 7) again. Error light will switch OFF when GPS signal acquired.



| | |
|---|---|
|  | Important Refit all removed parts and secure all fasteners to the Service Manual torque specifications. |
|  | Important Reprogram all radio stations and clock settings by referring to the vehicle's owner manual. |
|  | Please place the owner manual in the glove box after installation is completed. |
|  | Important Re-connect battery terminal. Battery Post terminal to be torqued to 5.5Nm +/- 2Nm |

DASH CAMERA CIRCUIT DIAGRAM

