



HILUX

JULY 2015 PRODUCTION ONWARDS

Part No: PZQ85-33270

Fitting Time: 45 minutes

Dash Camera Fitting Instruction

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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.





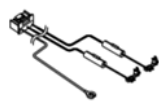
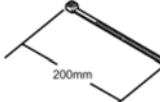








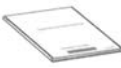


Fitting Time



45 minutes

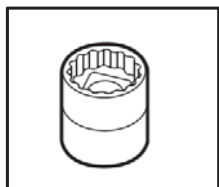
Parts Supplied

| | | | | | |
|---|--|---|---|--|---|
| A  Dash camera module x 1 | B  End cap x 1 | C  Micro SD card x 1 | D  Cable guide cord x 1 (NOT USED) | E  Dash camera wire harness x 1 | F  200mm Cable ties x 18 |
| G  Protection tape x 3 (NO TUSED) | 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 | N  CLEANER Alcohol wipe x 1 | O  Owner Manual | | | |

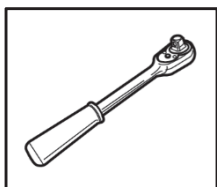
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– Tools and Material Required



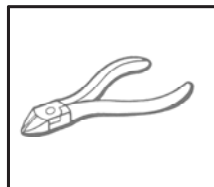
8mm and 10mm



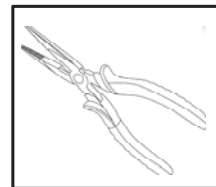
Ratchet



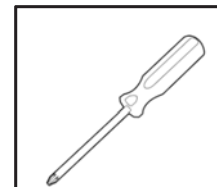
10mm Torque Wrench
(pre-set to 8.5Nm)



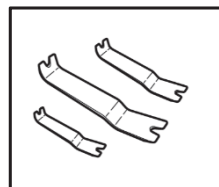
Side cutter



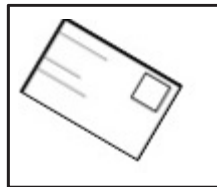
Plier



Phillip head screw



Trim removal tool



Standard business
card or driver
license or credit
card size paper
(55mm x 85mm)

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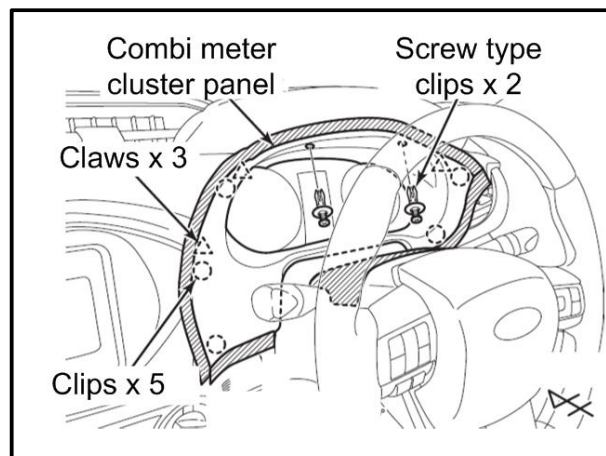
– Step 1 –

Important



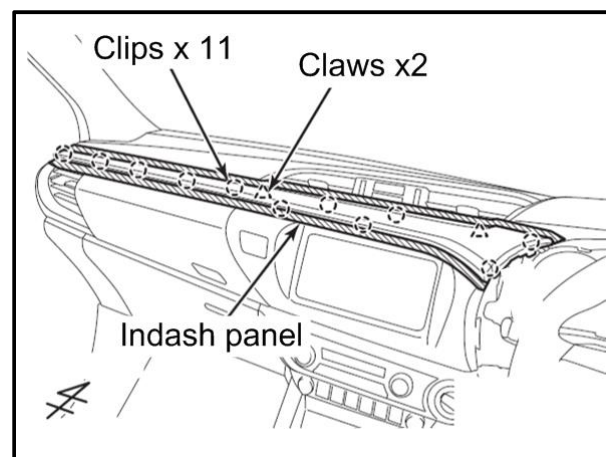
Always refer to the vehicle's Workshop Manual when removing vehicle components.

- Disconnect the negative battery terminal.
- Remove the screw type clips on the top of combi meter cluster panel.
- Remove the combi meter cluster panel.



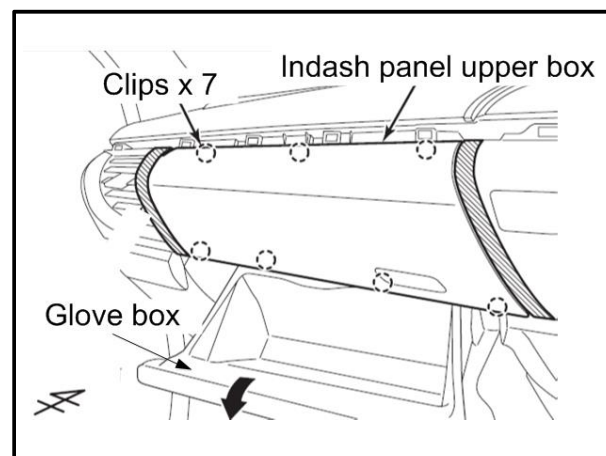
– Step 2 –

- Remove indash panel



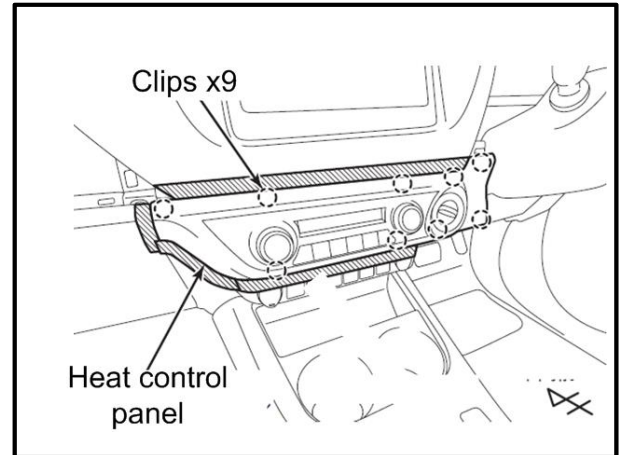
– Step 3 –

- Open glove box.
- Remove indash panel upper box



– Step 4

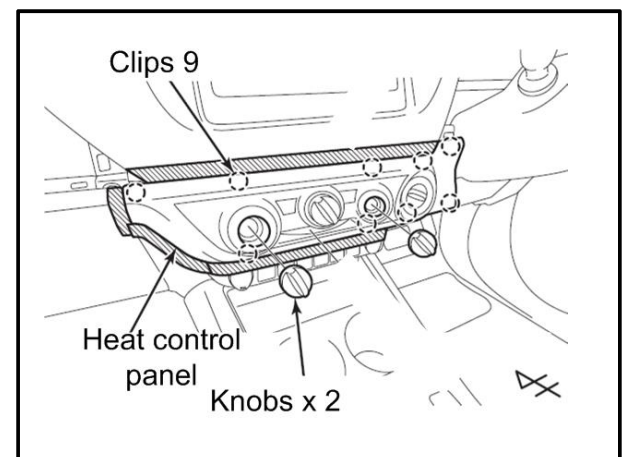
- Heat control automatic type removal



- Heat control manual type removal

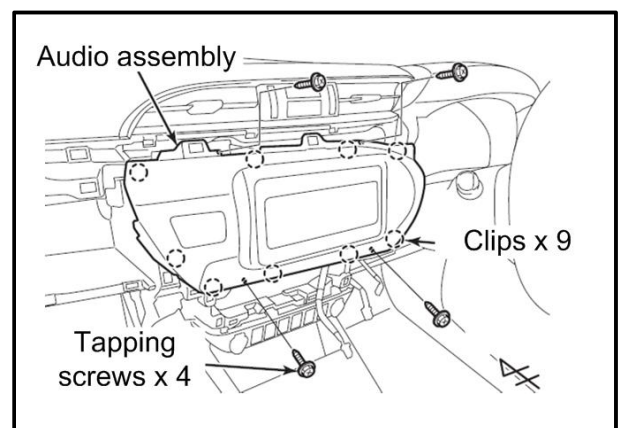
Important

For manual type panel, only need to remove the panel until you get access to the audio bracket bolts.
Do not need to remove all the dial wiring.



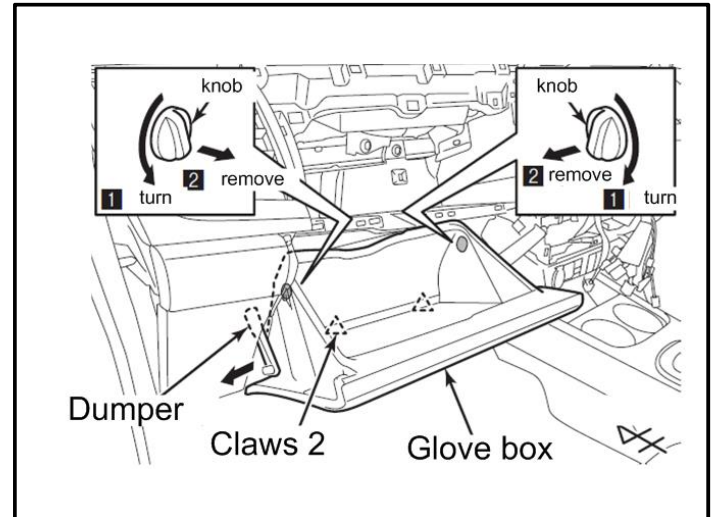
– Step 5

- Remove audio assembly as shown.



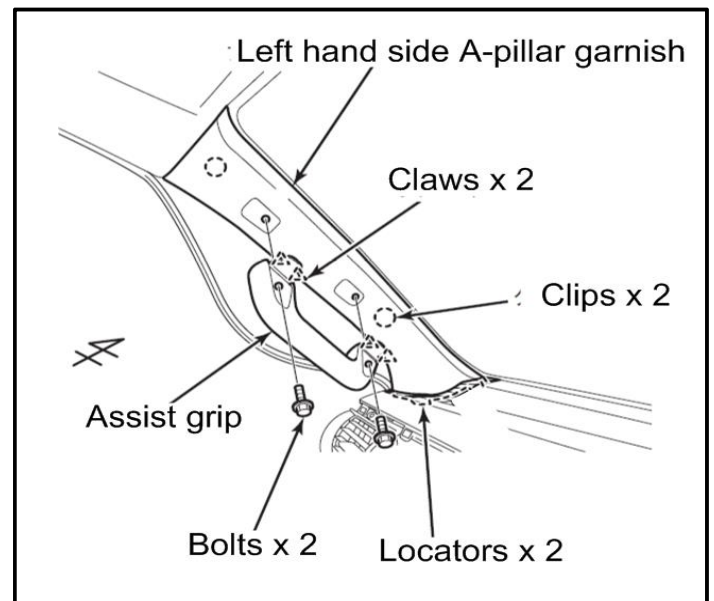
– Step 6 –

- Remove the knobs inside the glovebox and then remove the glovebox as shown.



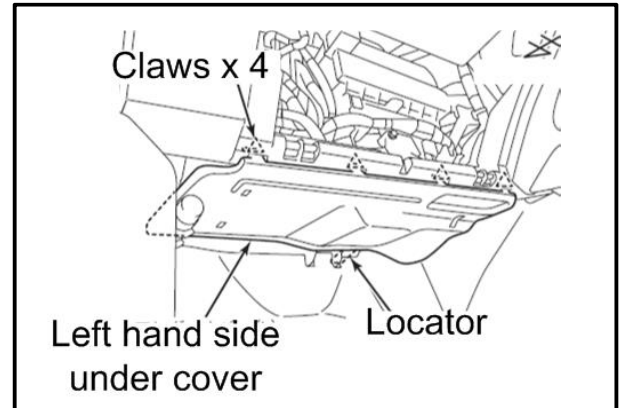
– Step 7 –

- Remove left hand side A-pillar garnish as shown.



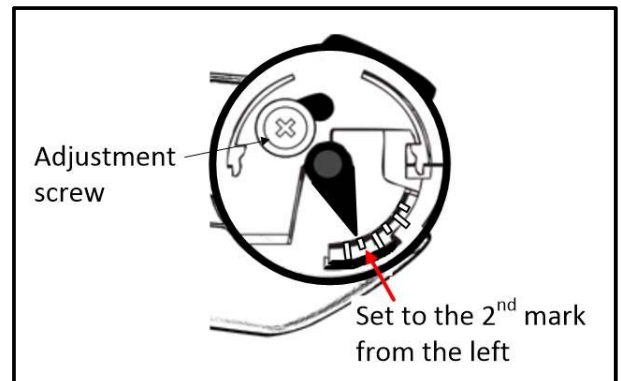
– Step 8 –

- Remove the left hand side under cover panel



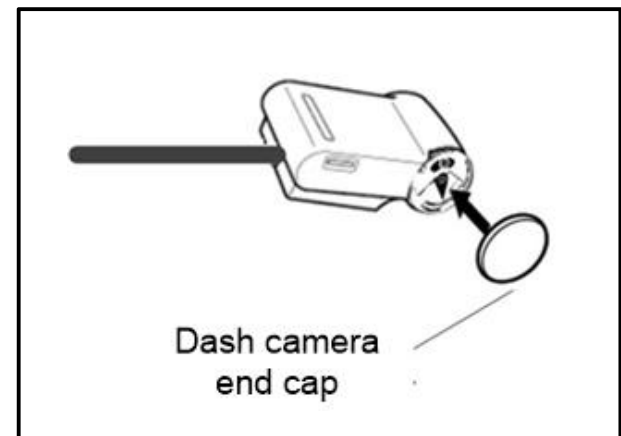
– Step 9 –

- Untighten the adjustment screw of the Dash Camera.
- Adjust the camera lens position to the 2nd mark from the left as per instruction.
- Tighten the adjustment screw.



– Step 10 –

- After adjustment process, install the dash camera end cap.

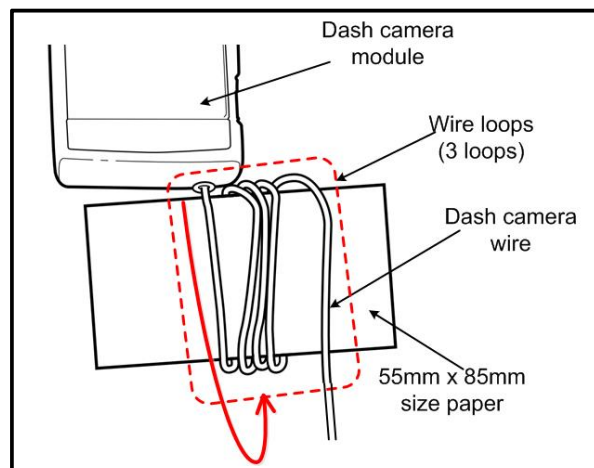


– Step 11 –

- Prepare standard business card or driver license size paper (55mm width and 85 to 90mm length)
- Using the paper to make wire loop as shown.
- Make sure to make the loops as close as possible to the dash camera module
- Make 3 loops

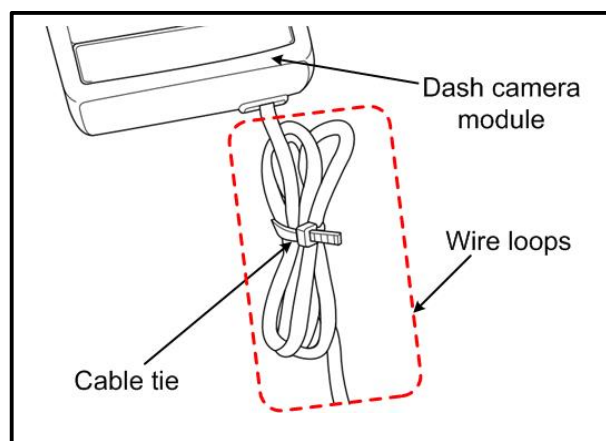


Hilux with DAB function must have this wire looping procedure to improve the DAB radio signal in weak signal area.



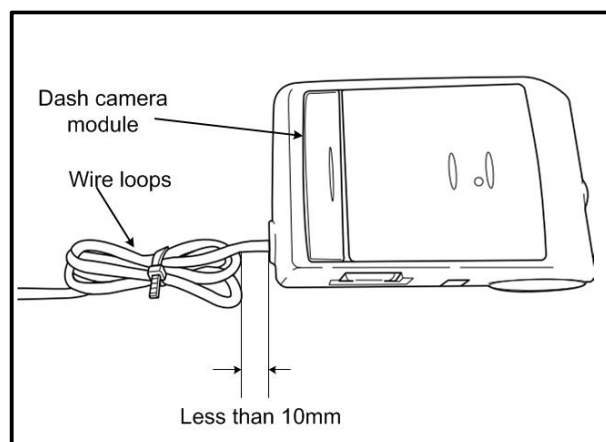
– Step 12 –

- Remove the paper from the wire loops.
- Cable tie the middle of the wire loops.
- Make sure the cable tie is tight.



– Step 13 –

- Make sure the distance between dash camera module and wire loops is less than 10 mm



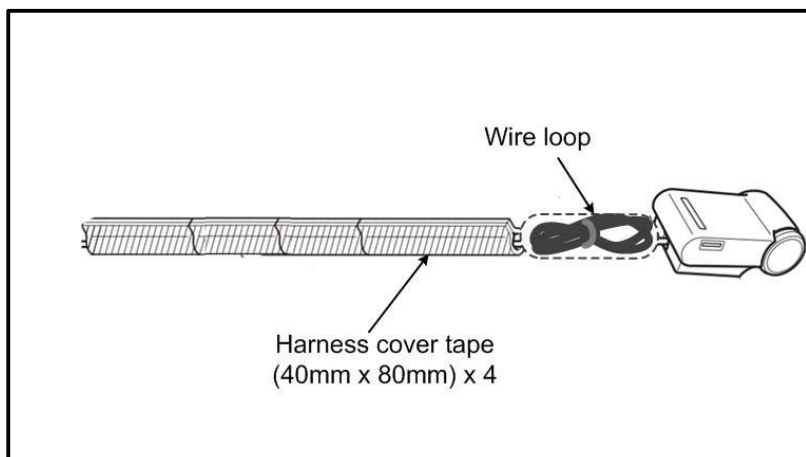
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– Step 14 –

Prepare 4 harness tape (40mm x 80mm)

- Cover the dash camera wire next to the wire loop as shown.



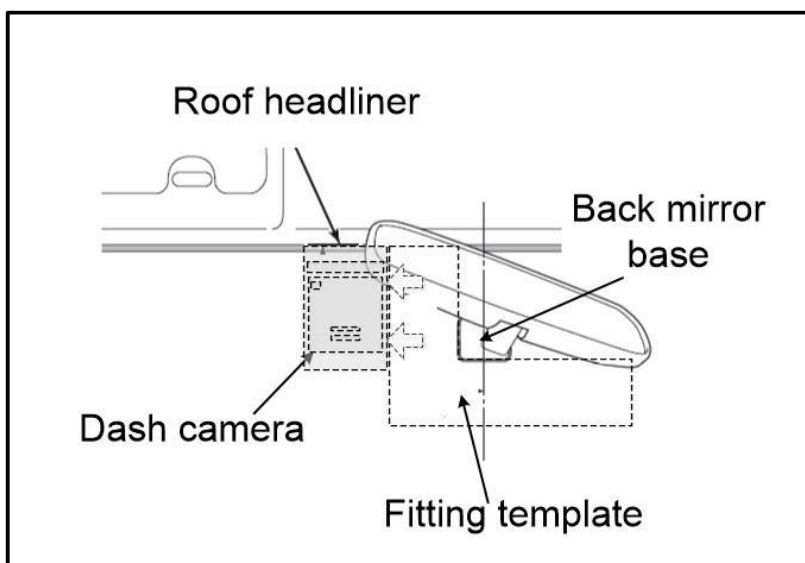
– Step 15 –

Important



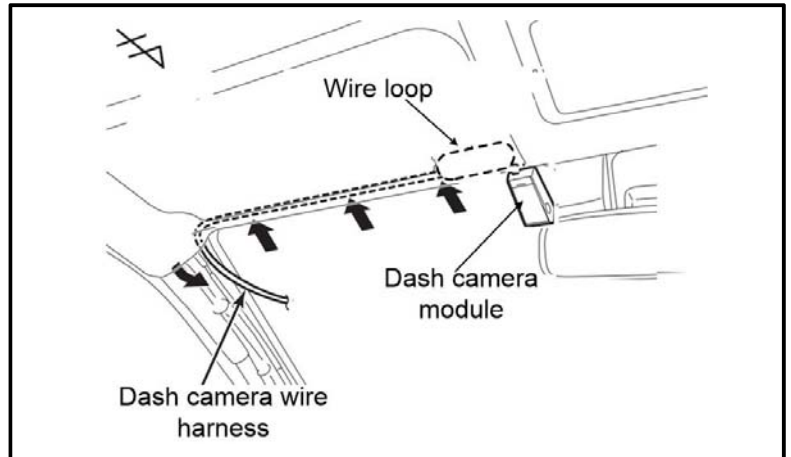
Prior to installing, clean inside of the windscreen in the area to be installed using alcohol wipe cleaner

- Prepare fitting template and adjust the template to the roof headliner edge and the back mirror base behind the back mirror as shown.
- Use sticky tape to hold the template.
- Peel out the adhesive tape on the dash camera.
- Stick the dash camera, by adjusting it to the template next to "arrow" mark as shown.



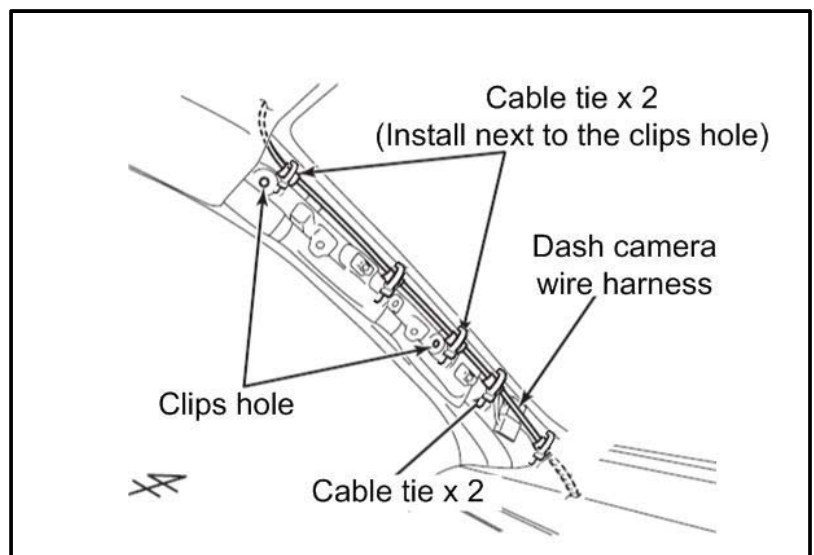
– Step 16

- Insert the wire loop to the roof headliner.
- Route the dash camera wire harness to the left hand side A-pillar area as shown



– Step 17

- Cable tie the dash camera wire to the existing vehicle harness.

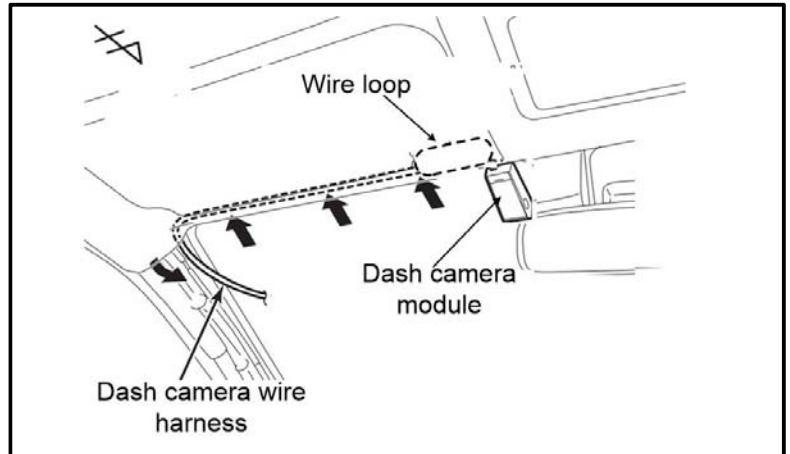


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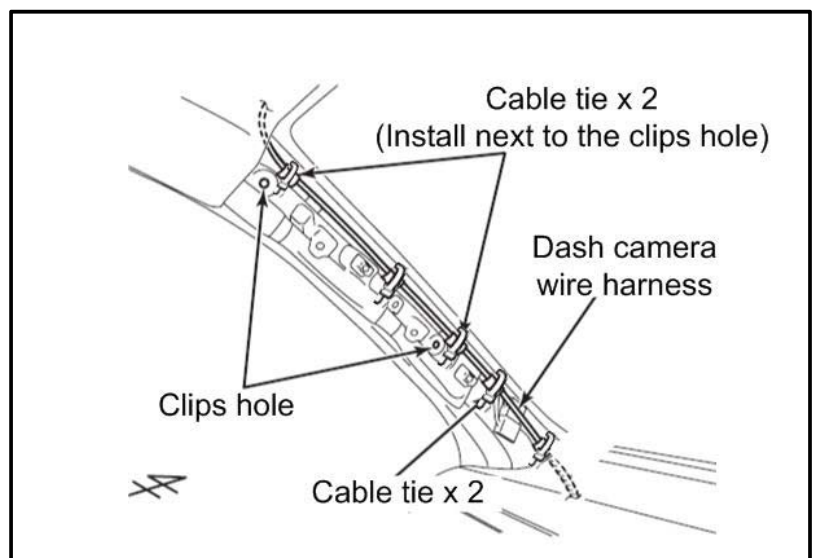
– Step 16 –

- Insert the wire loop to the roof headliner.
- Route the dash camera wire harness to the left hand side A-pillar area as shown



– Step 17 –

- Cable tie the dash camera wire to the existing vehicle harness.

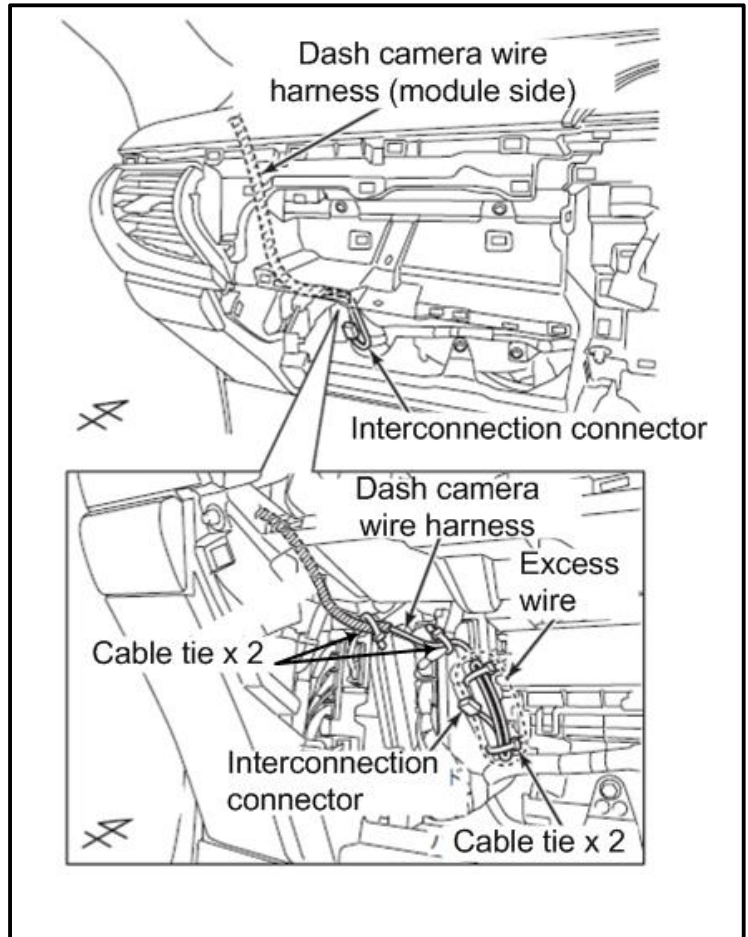


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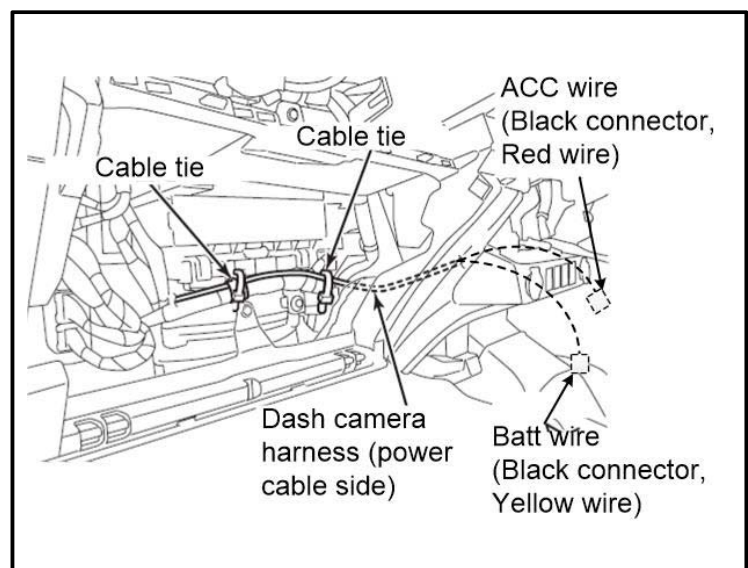
– Step 18 –

- Route the dash camera wire harness (module side) to the glovebox area as shown.
- Cable tie the excess wire to the existing vehicle harness as shown.



– Step 19 –

- Route the batt signal wire (yellow wire) and ACC signal wire (Red wire) of the dash camera wire harness (power cable side) to the audio assembly area.

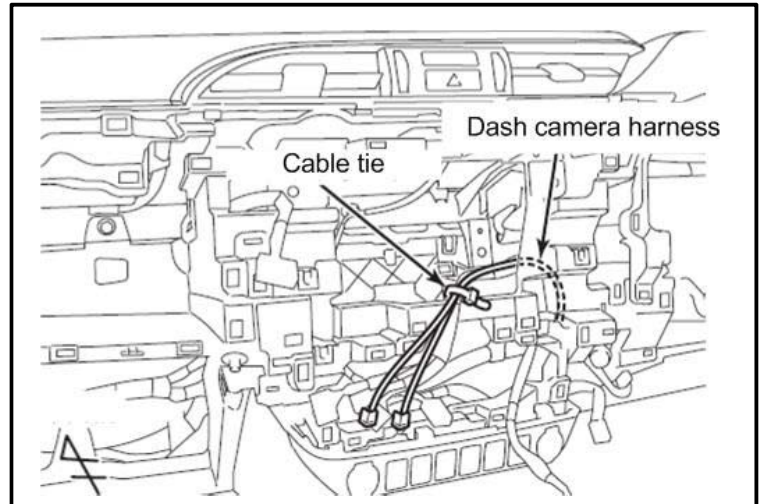


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– Step 20 –

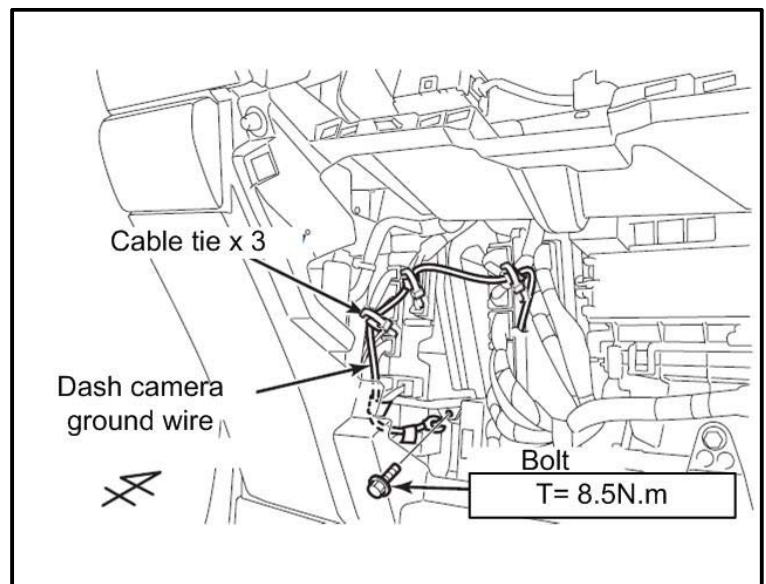
- Cable tie the dash camera wire harness to the existing vehicle harness.



– Step 21 –

Ground signal installation

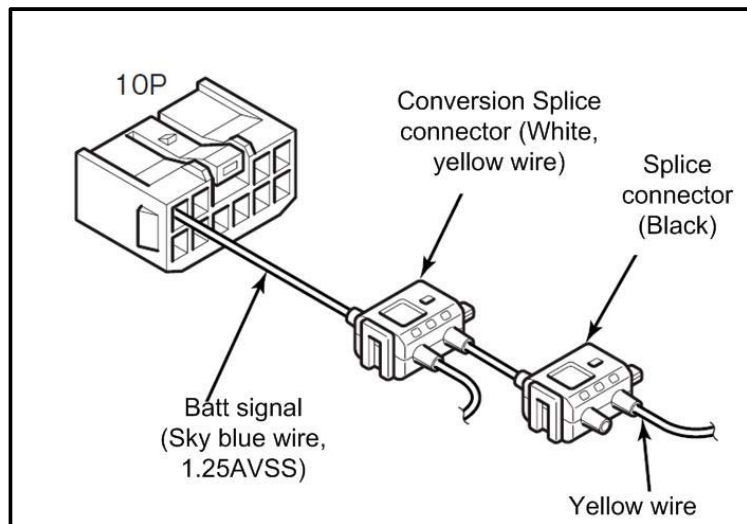
- Locate the vehicle ground signal at the glovebox area as shown.
- Untighten the bolt, and install the dash camera ground wire as shown.
- Cable tie the ground signal wire to the existing vehicle wire as shown.



– Step 22 –

Battery signal installation

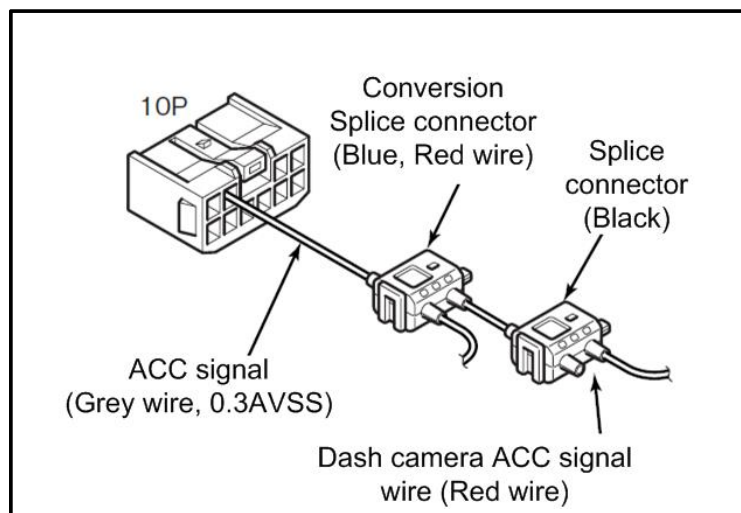
- Locate the 10 pin audio connector.
- Locate the audio battery signal Pin No 1, sky blue wire.
- Prepare the White conversion splice connector yellow wire.
- Splice the yellow wire of the White splice connector using black splice connector yellow wire.
- Splice the audio battery signal wire to the dash camera Battery signal wire using White splice connector, yellow wire as shown.



– Step 23 –

ACC signal installation

- Locate the 10 pin audio connector.
- Locate the audio battery signal Pin No 2, grey wire.
- Prepare the Blue conversion splice connector red wire.
- Splice the red wire of the Blue splice connector using black splice connector red wire.
- Connect the audio ACC signal wire to the dash camera ACC signal wire using Blue splice connector, red wire as shown

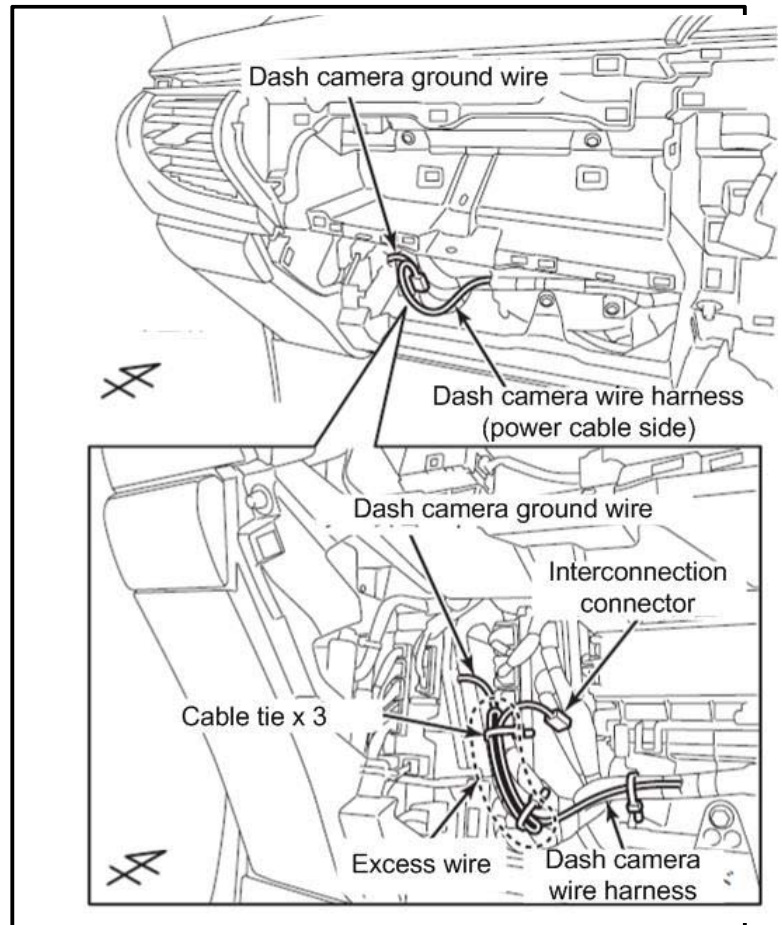


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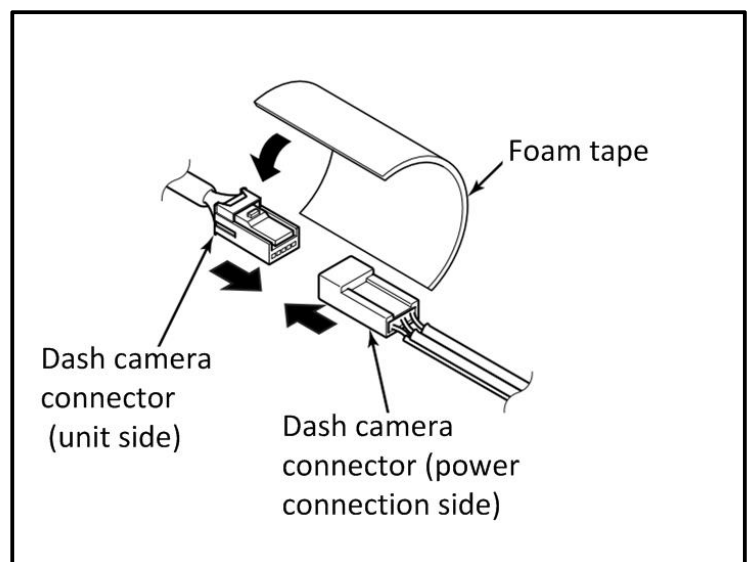
– Step 24 –

- Cable tie the excess dash camera wire harness (power cable side) to the existing vehicle harness, next to the dash camera wire harness module side.



– Step 25 –

- Connect the Dash Camera inter connector and then apply foam tape.

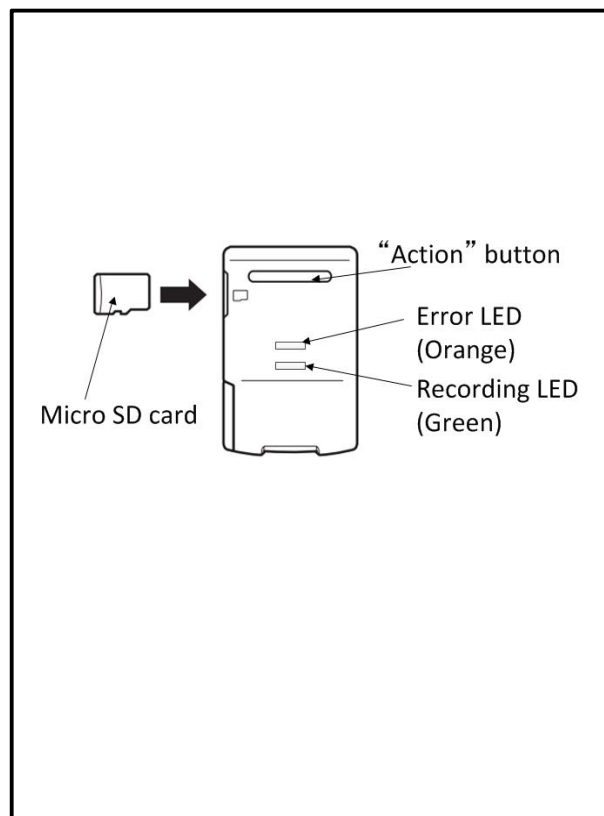





– Step 26 –

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. |

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DASH CAMERA CIRCUIT DIAGRAM

