

13. Rearview Camera System

A: WIRING DIAGRAM

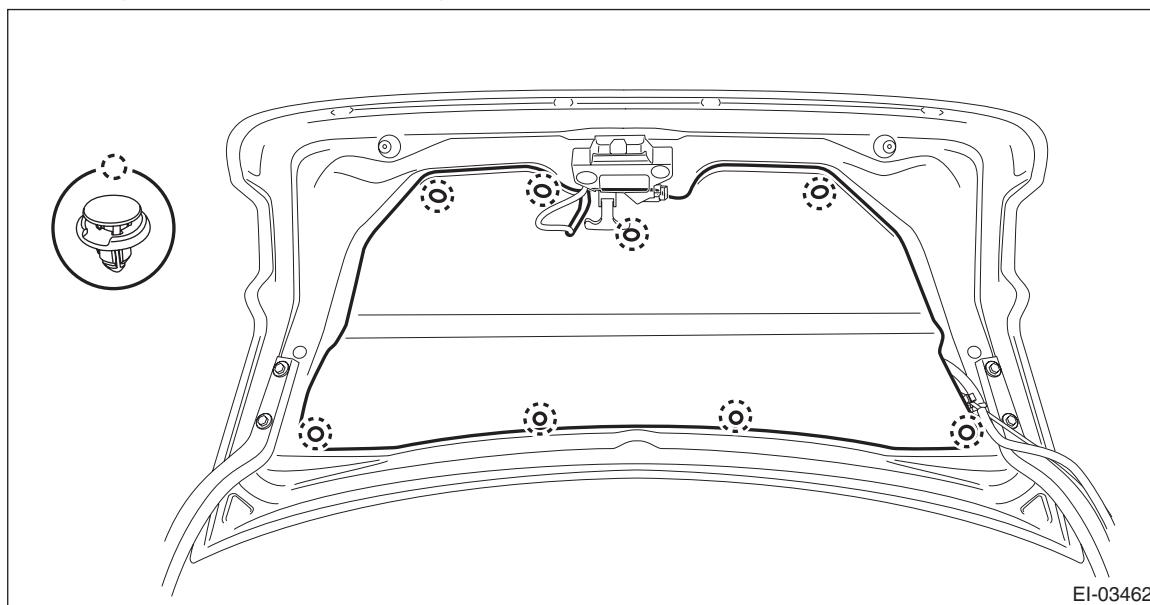
Refer to "Rearview Camera System" in the wiring diagram.

- Gasoline engine model
 - 4 door model (6.2 inch display): <Ref. to WI(w/o HEV)-186, 4 DOOR MODEL (6.2 INCH DISPLAY), WIRING DIAGRAM, Rearview Camera System.>
 - 4 door model (7 inch display): <Ref. to WI(w/o HEV)-187, 4 DOOR MODEL (7 INCH DISPLAY), WIRING DIAGRAM, Rearview Camera System.>
 - 5 door model (6.2 inch display): <Ref. to WI(w/o HEV)-188, 5 DOOR MODEL (6.2 INCH DISPLAY), WIRING DIAGRAM, Rearview Camera System.>
 - 5 door model (7 inch display): <Ref. to WI(w/o HEV)-189, 5 DOOR MODEL (7 INCH DISPLAY), WIRING DIAGRAM, Rearview Camera System.>
- HEV model
 - Model without navigation system: <Ref. to WI(HEV)-188, MODELS WITHOUT NAVIGATION SYSTEM, WIRING DIAGRAM, Rearview Camera System.>
 - Model with navigation system: <Ref. to WI(HEV)-189, MODELS WITH NAVIGATION SYSTEM, WIRING DIAGRAM, Rearview Camera System.>

B: REMOVAL

1. 4 DOOR MODEL

- 1) Disconnect the ground cable from battery.
- 2) Remove the clips, and remove the trim panel - trunk lid.



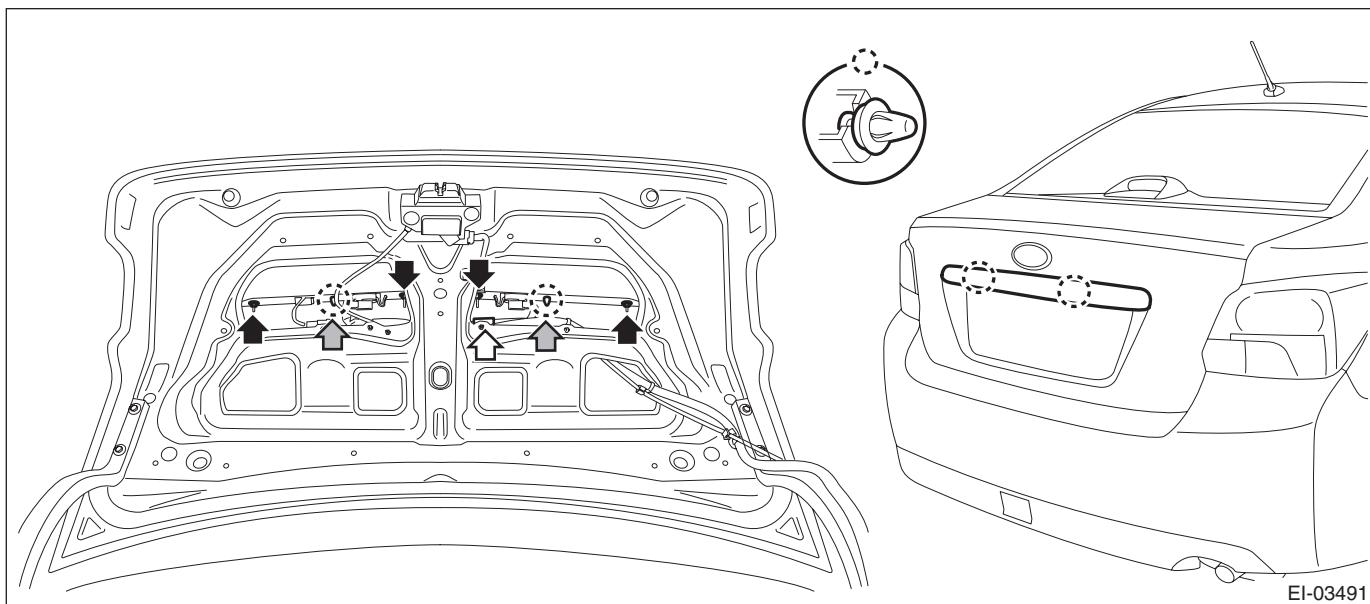
Rearview Camera System

ENTERTAINMENT

3) Remove the garnish - trunk.

(1) Remove the nut.

(2) Remove the clips, and remove the garnish - trunk.



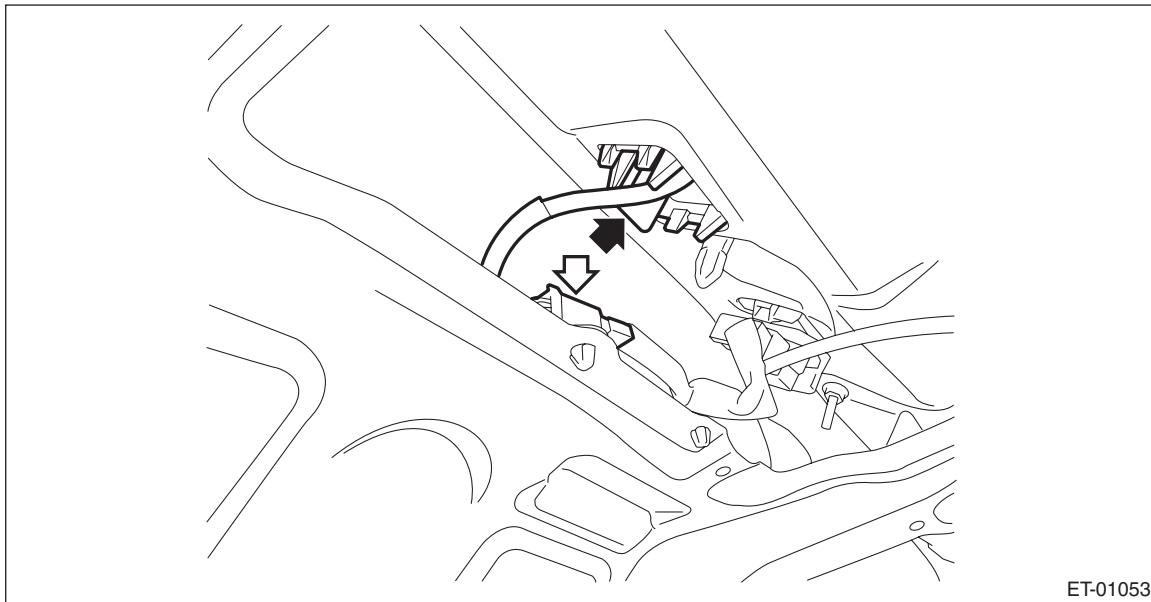
4) Remove the rearview camera assembly.

CAUTION:

Do not drop or apply any impact to the rearview camera because it is a precision equipment.

(1) Disconnect the rearview camera connector.

(2) Disconnect the claws and then remove the rearview camera assembly.



2. 5 DOOR MODEL/XV MODEL

- 1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

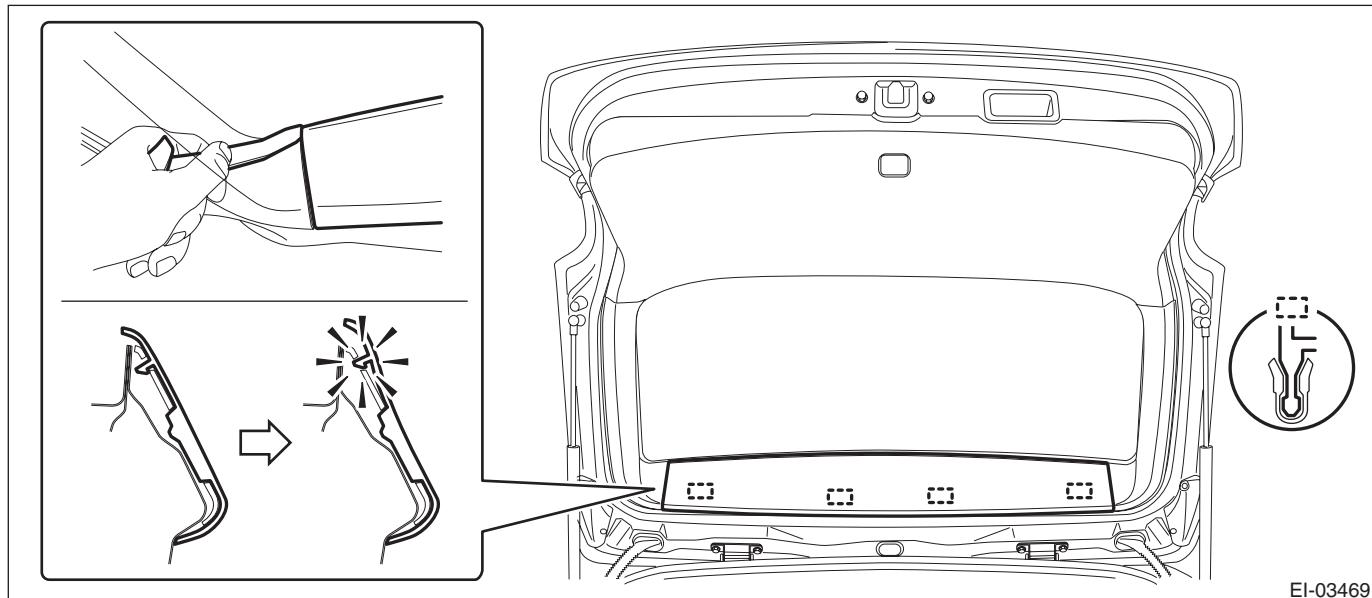
NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

- 2) Remove the trim panel - rear gate UPR.

(1) Remove the claws on the trim edge.

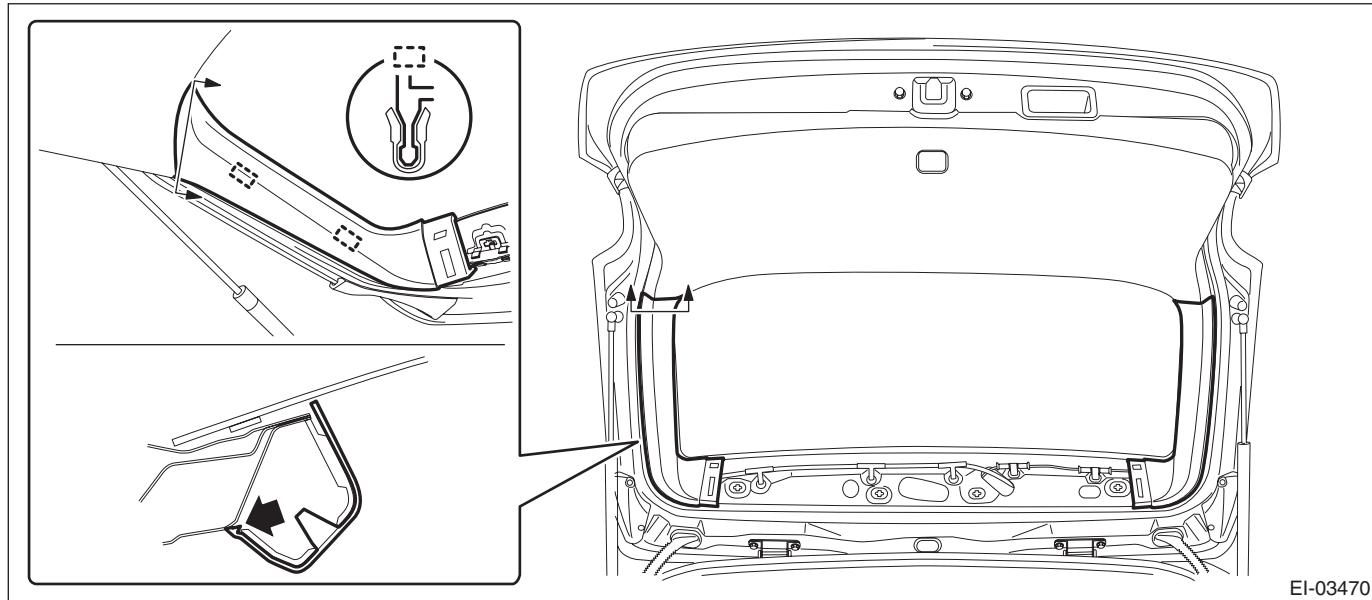
(2) Release the claws in the center of trim, and remove the trim panel - rear gate UPR.



- 3) Remove the trim panel - rear gate pillar side.

(1) Release the claws.

(2) Remove the claws on the bottom of trim, and remove the trim panel - rear gate pillar side.



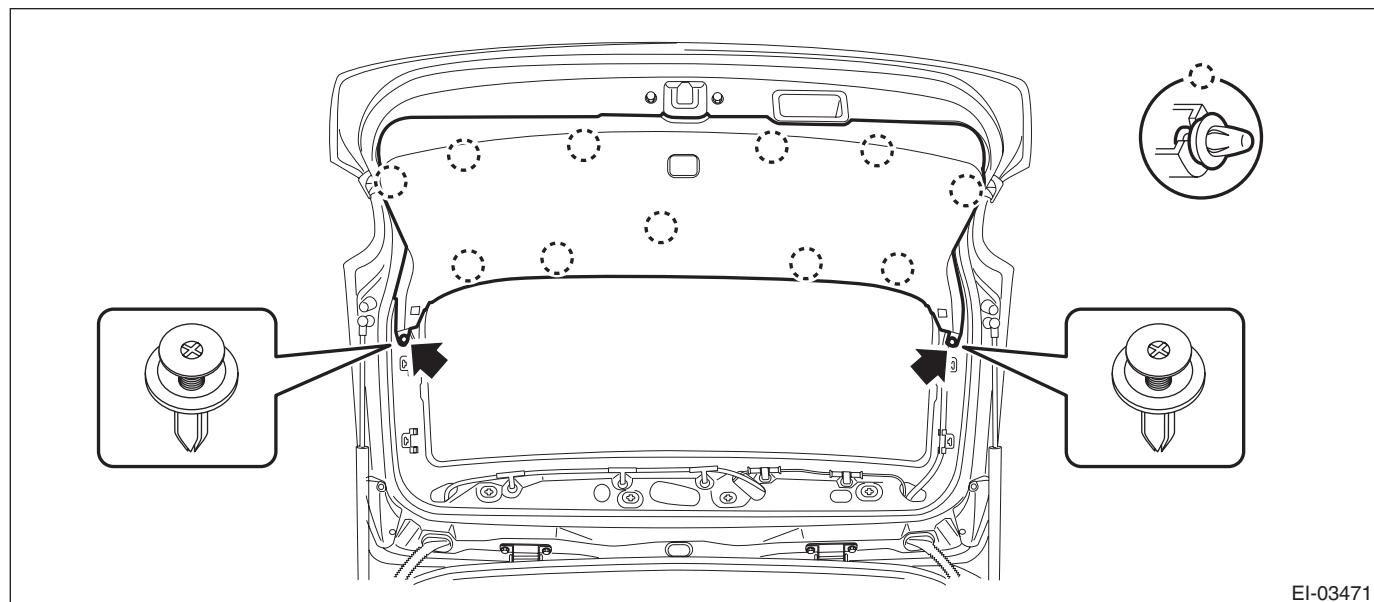
Rearview Camera System

ENTERTAINMENT

4) Remove the trim panel - rear gate LWR.

(1) Remove the clips on both ends.

(2) Release the clips, and remove the trim panel - rear gate LWR.

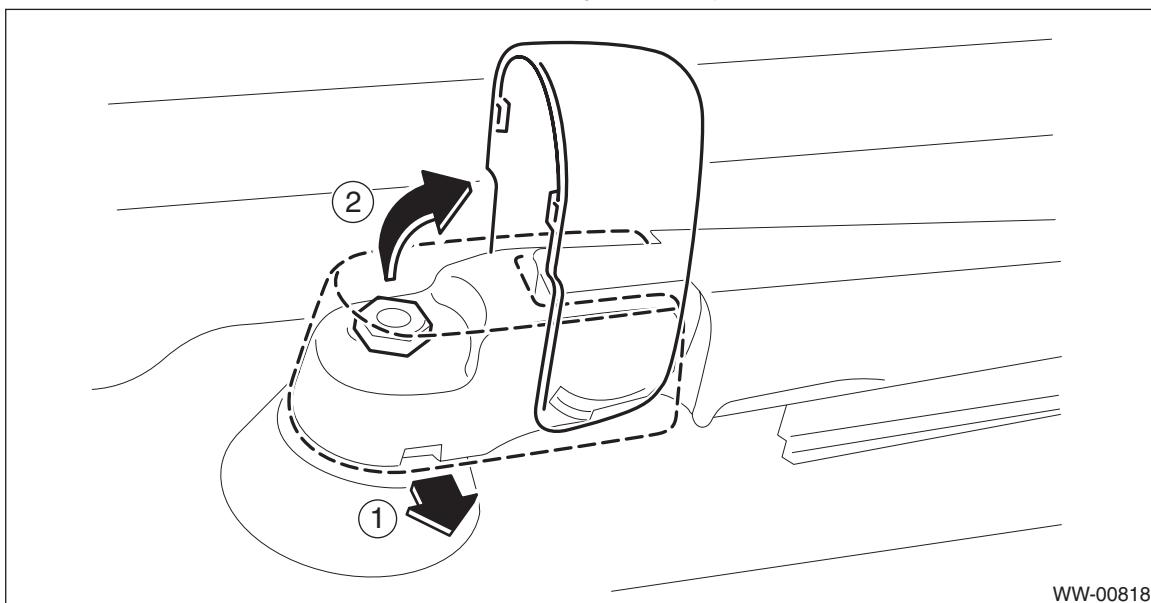


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5) Remove the arm assembly - rear wiper.

(1) Remove the cover - rear wiper arm.

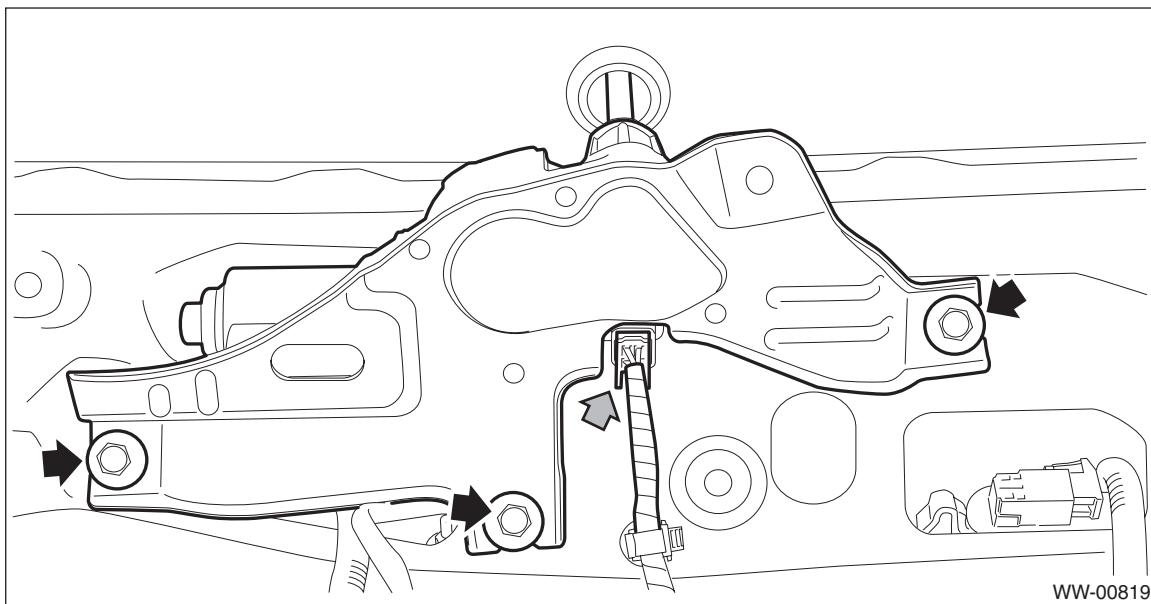
(2) Remove the nut, and remove the arm assembly - rear wiper.



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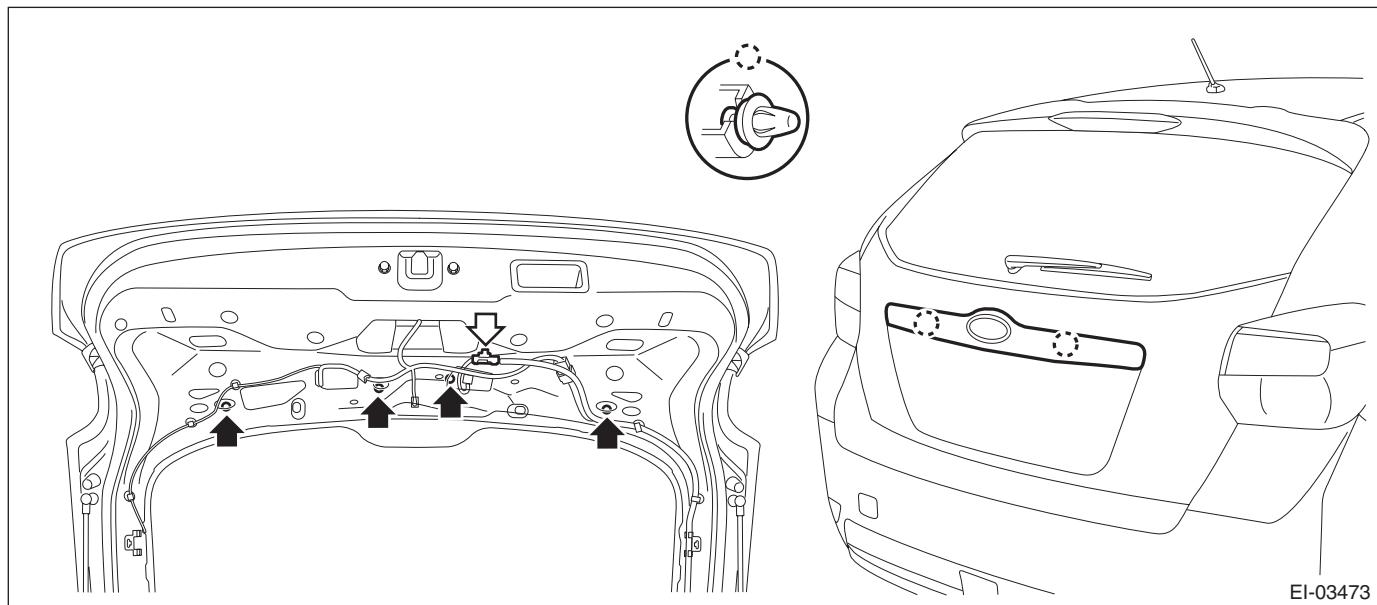
6) Remove the motor assembly - rear wiper.

- (1) Disconnect the harness connector of the motor assembly - rear wiper.
- (2) Remove the bolts, and remove the motor assembly - rear wiper.



7) Remove the garnish assembly - rear gate.

- (1) Disconnect the harness connector of license plate light assembly.
- (2) Remove the nuts.
- (3) Remove the clips and remove the garnish assembly - rear gate.



Rearview Camera System

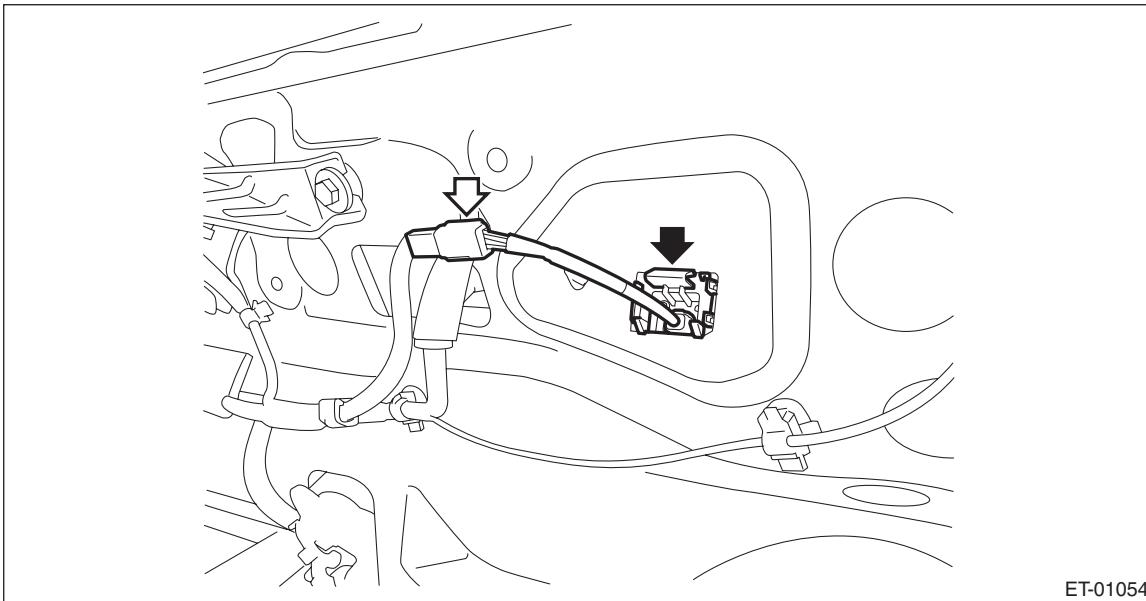
ENTERTAINMENT

8) Remove the rearview camera assembly.

CAUTION:

Do not drop or apply any impact to the rearview camera because it is a precision equipment.

- (1) Disconnect the rearview camera connector.
- (2) Disconnect the claws and then remove the rearview camera assembly.



C: INSTALLATION

CAUTION:

Be sure to confirm the marker position, whenever the rearview camera is removed/installed/replaced.
Install each part in the reverse order of removal.

Tightening torque:

4 door model

Garnish - trunk: 4.5 N·m (0.46 kgf-m, 3.3 ft-lb)

5 door model/XV model

Garnish assembly - rear gate: 4.5 N·m (0.46 kgf-m, 3.3 ft-lb)

Motor assembly - rear wiper: 6 N·m (0.61 kgf-m, 4.4 ft-lb)

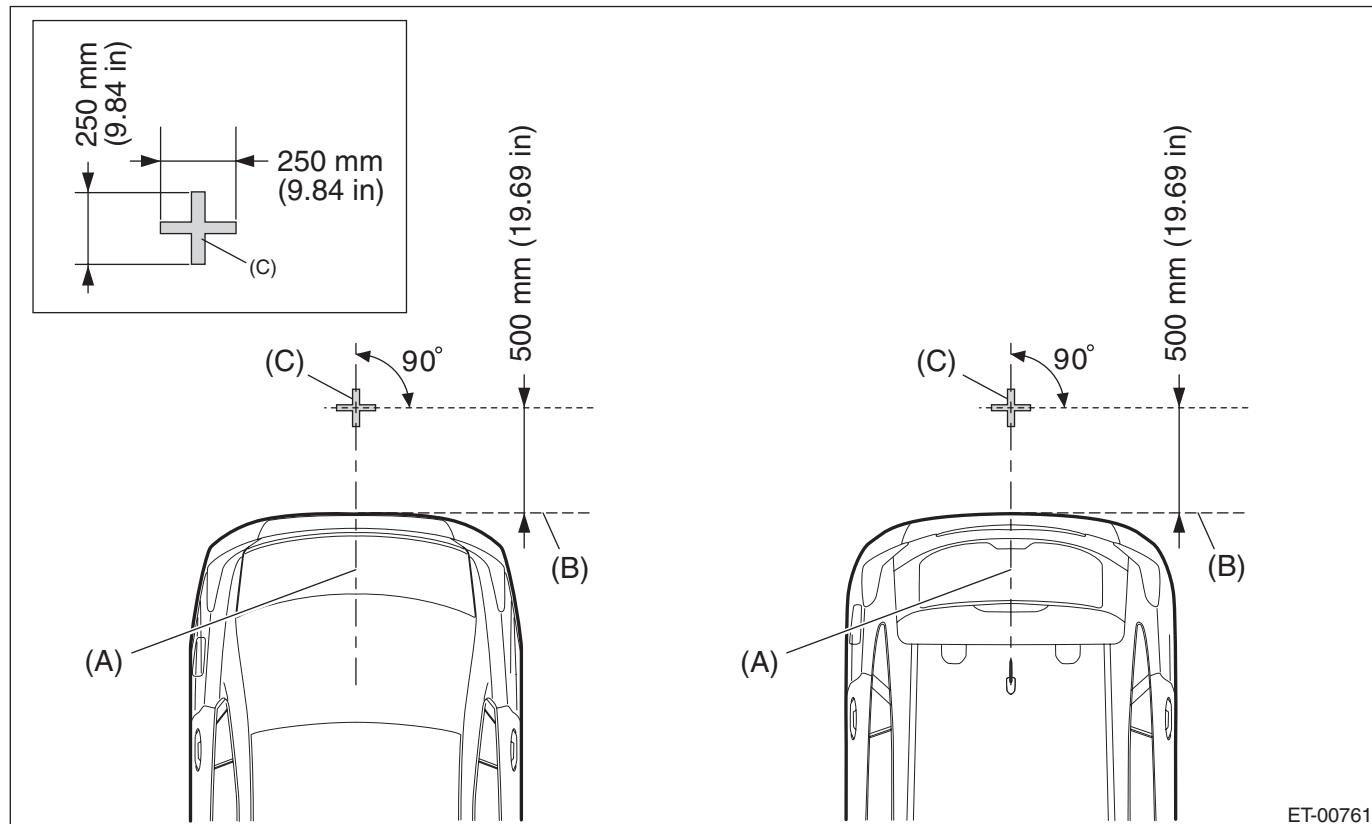
Arm assembly - rear wiper: 8 N·m (0.82 kgf-m, 5.9 ft-lb)

D: INSPECTION

- 1) Park the vehicle at the level place where there are enough area at the rear of the vehicle.
- 2) Attach the tape as the target point for standard at the floor rearward of the vehicle as shown in the figure below.

NOTE:

Standard tape width is about 30 — 50 mm (1.18 — 1.97 in) and brilliant color shall be used.



(A) Vehicle body center line

(B) Rear edge of bumper

(C) Target point

- 3) Confirm the following before checking the corresponding items.

- If the display is blank.

Rearview camera image is not displayed. (Navigation and multi-function display screen is displayed normally.)

1. Check the condition of back sensor connection.
 - Audio system: <Ref. to ET-6, CHECK EACH VEHICLE SIGNAL, INSPECTION, Audio System.>
 - Navigation system: <Ref. to ET-10, CHECK EACH VEHICLE SIGNAL, INSPECTION, Navigation System.>
2. Check the condition of rearview camera connection.
 - Audio system: <Ref. to ET-5, CHECK EACH CONNECTION, INSPECTION, Audio System.>
 - Navigation system: <Ref. to ET-9, CHECK EACH CONNECTION, INSPECTION, Navigation System.>
- If the marker is not displayed.
- If the marker position is not aligned.
 1. Adjust the marker position according to the MARKER ADJUSTMENT MODE. <Ref. to ET-44, MARKER ADJUSTMENT MODE, ADJUSTMENT, Rearview Camera System.>

E: ADJUSTMENT

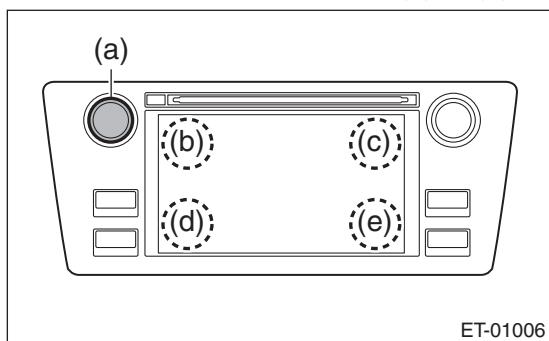
1. MARKER ADJUSTMENT MODE

- Audio system

CAUTION:

For models with 7 inch display, refer to “Navigation System”.

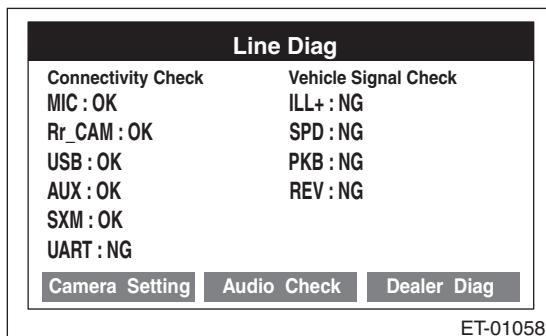
- 1) Prepare the target point. <Ref. to ET-43, INSPECTION, Rearview Camera System.>
- 2) Turn the ignition switch to ACC.
- 3) (a) Press the button to display the Audio OFF screen.
- 4) Touch the screen in order from (b) to (e).



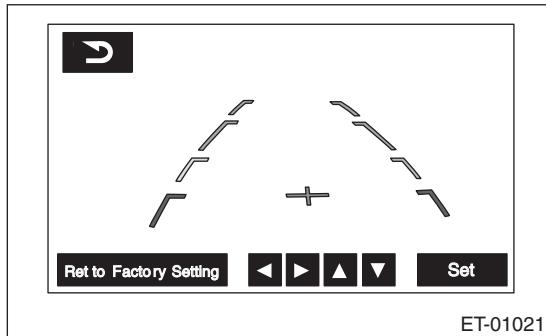
NOTE:

Pressing the button (a) or turning the ignition switch from the OFF to ACC position can exit the diagnostic mode.

- 5) {Line Diag} screen is displayed.
- 6) Touch {Camera Setting} on the {Line Diag} screen.



- 7) The display will switch to the rear camera marker selection mode screen.
- 8) Touch the adjustment keys on the display screen to adjust the marker line.



- 9) Touch {Set} to store the marker line setting information.

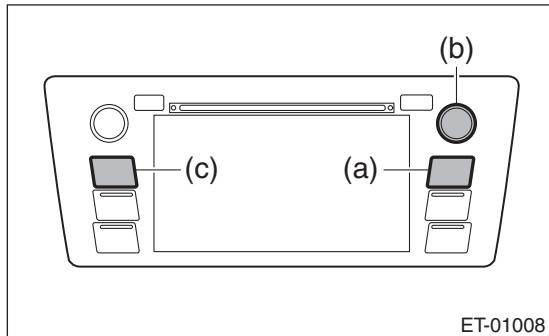
NOTE:

When {Return} is touched, the setting is not stored and the display switches to the {Line Diag} screen.

- 10) After the setting is completed, confirm that the marker line position is correctly adjusted.

• Navigation system

- 1) Prepare the target point. <Ref. to ET-43, INSPECTION, Rearview Camera System.>
- 2) Turn the ignition switch to ACC.
- 3) Press the button (b) twice with the button (a) pressed.

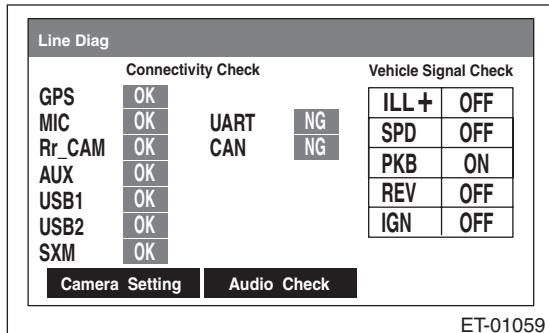


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NOTE:

Pressing the button (c) for 3 seconds or more, or turning the ignition switch from the OFF to ACC position can exit the diagnostic mode.

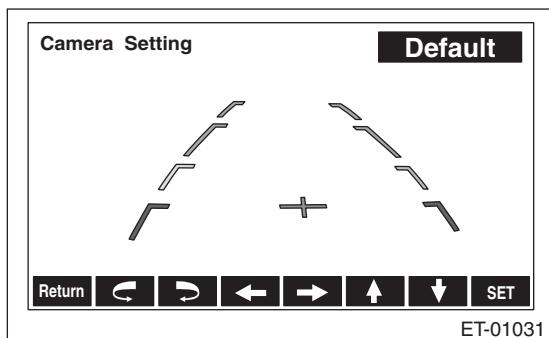
- 4) {Line Diag} screen is displayed.
- 5) Touch {Camera Setting} on the {Line Diag} screen.



NOTE:

GPS is displayed only for the navigation system.

- 6) The display will switch to the rear camera marker selection mode screen.
- 7) Touch the adjustment keys on the display screen to adjust the marker line.



- 8) Touch {SET} to store the marker line setting information.

NOTE:

When {Return} is touched, the setting is not stored and the display switches to the {Line Diag} screen.

- 9) After the setting is completed, confirm that the marker line position is correctly adjusted.