

11. Rearview Camera System

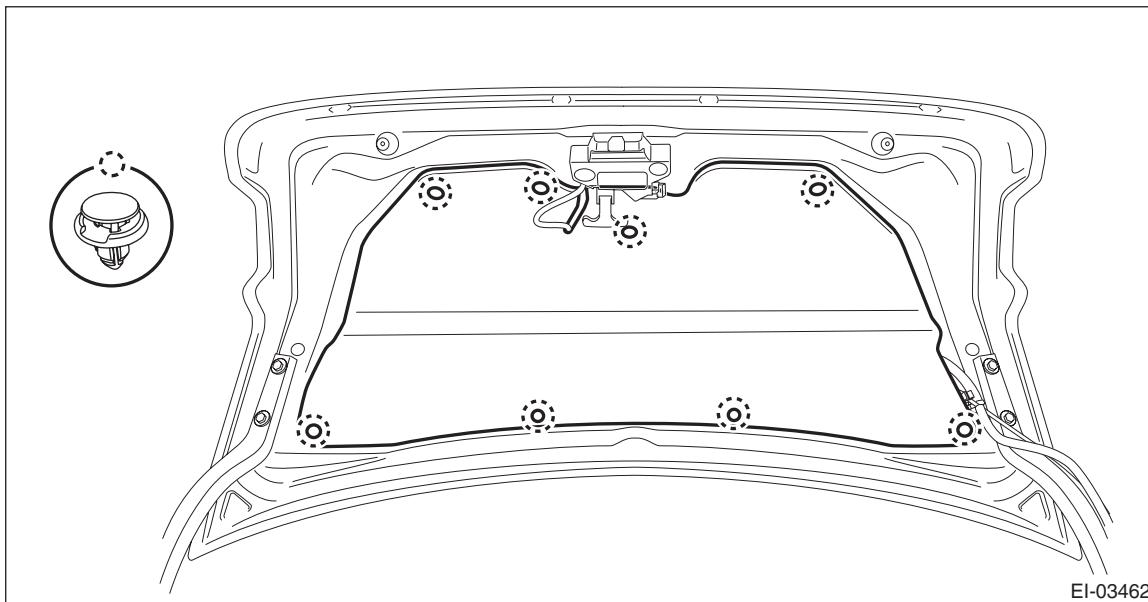
A: WIRING DIAGRAM

Refer to "Rearview Camera System" in the wiring diagram. <Ref. to WI-123, WIRING DIAGRAM, Rearview Camera System.>

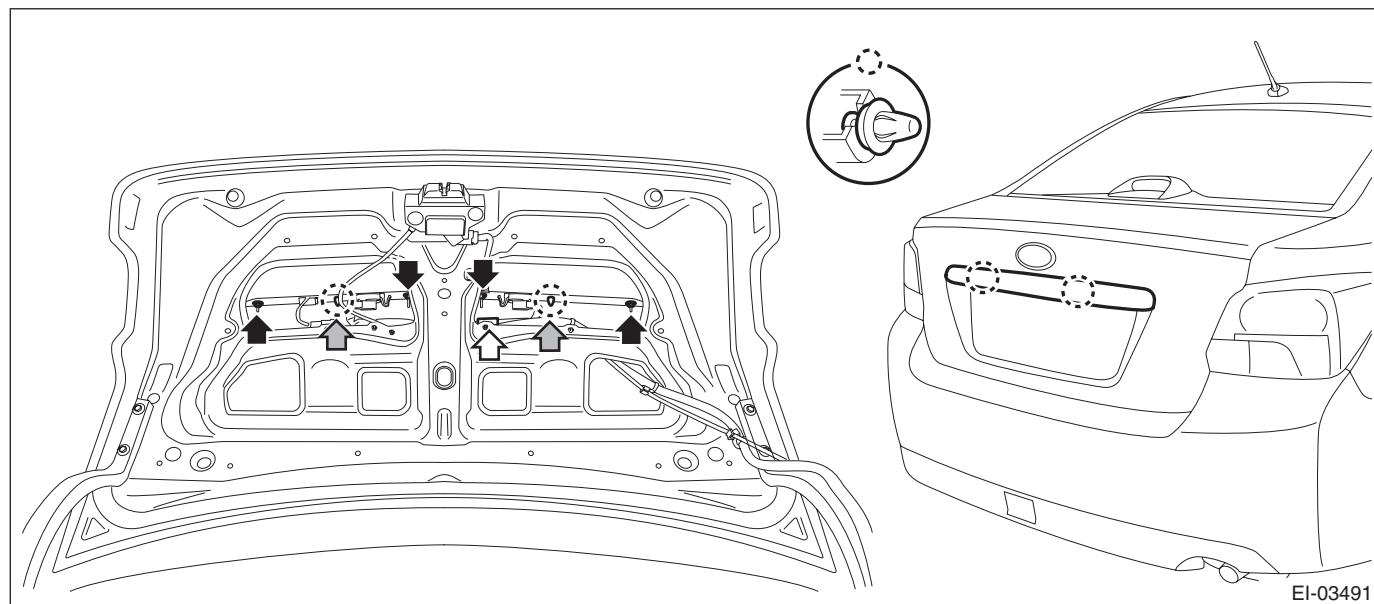
B: REMOVAL

1. 4 DOOR MODEL

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



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



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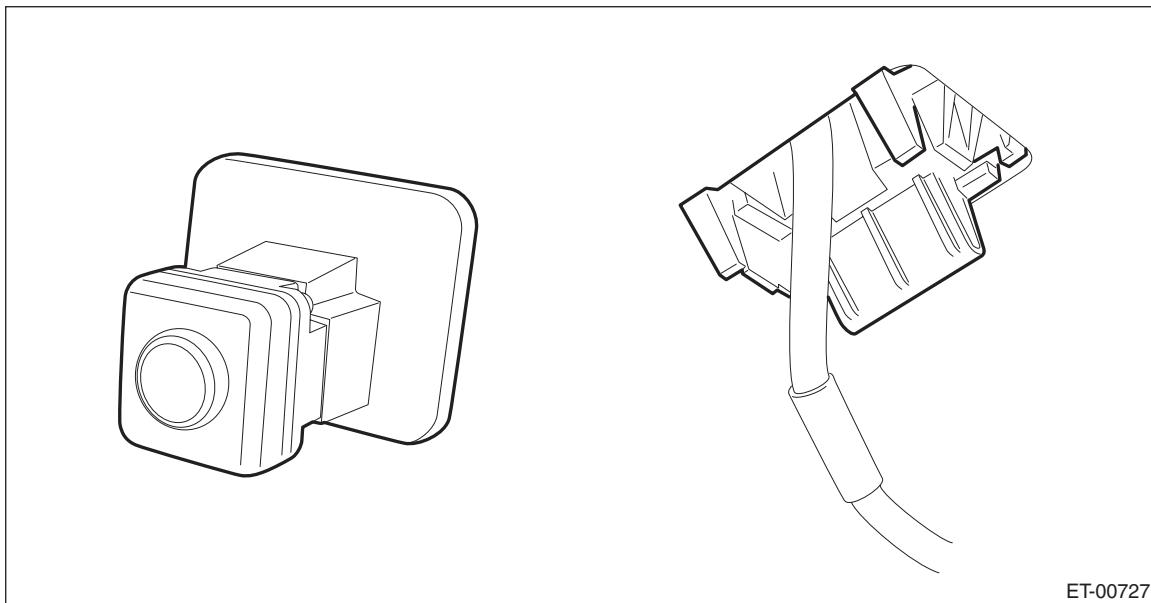
ENTERTAINMENT

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.



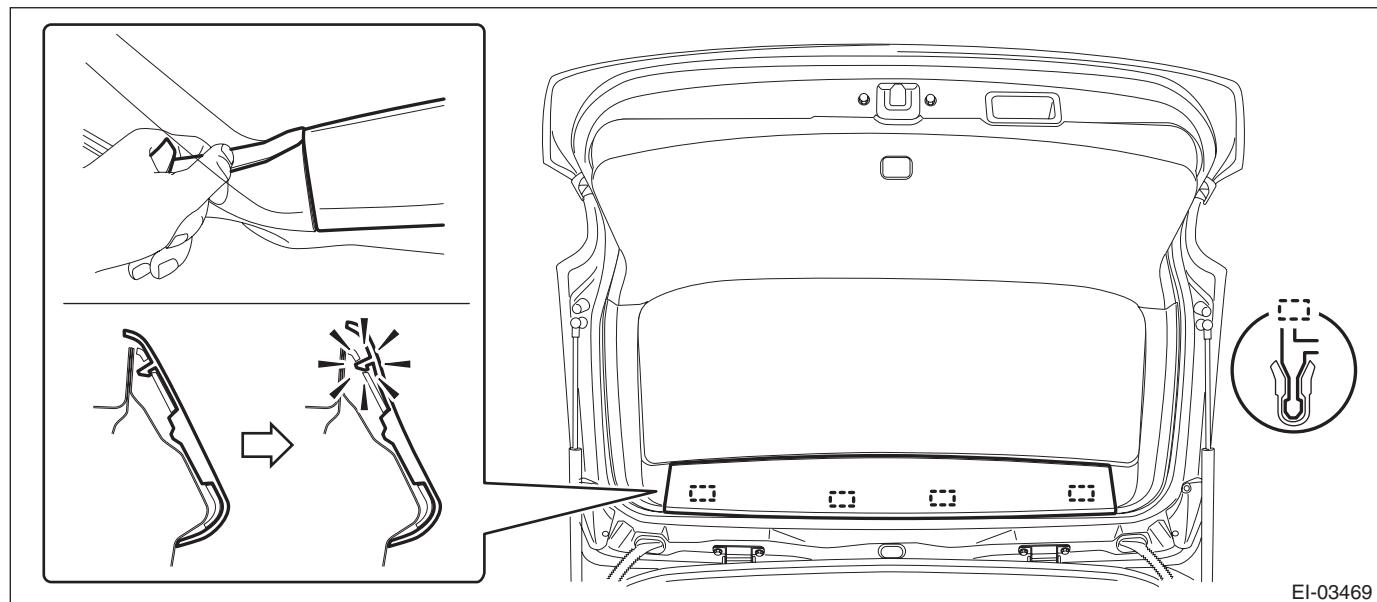
2. 5 DOOR MODEL/XV MODEL

1) Disconnect the ground cable from battery.

2) Remove the trim panel - rear gate UPR.

- (1) Remove the claws on the trim edge.

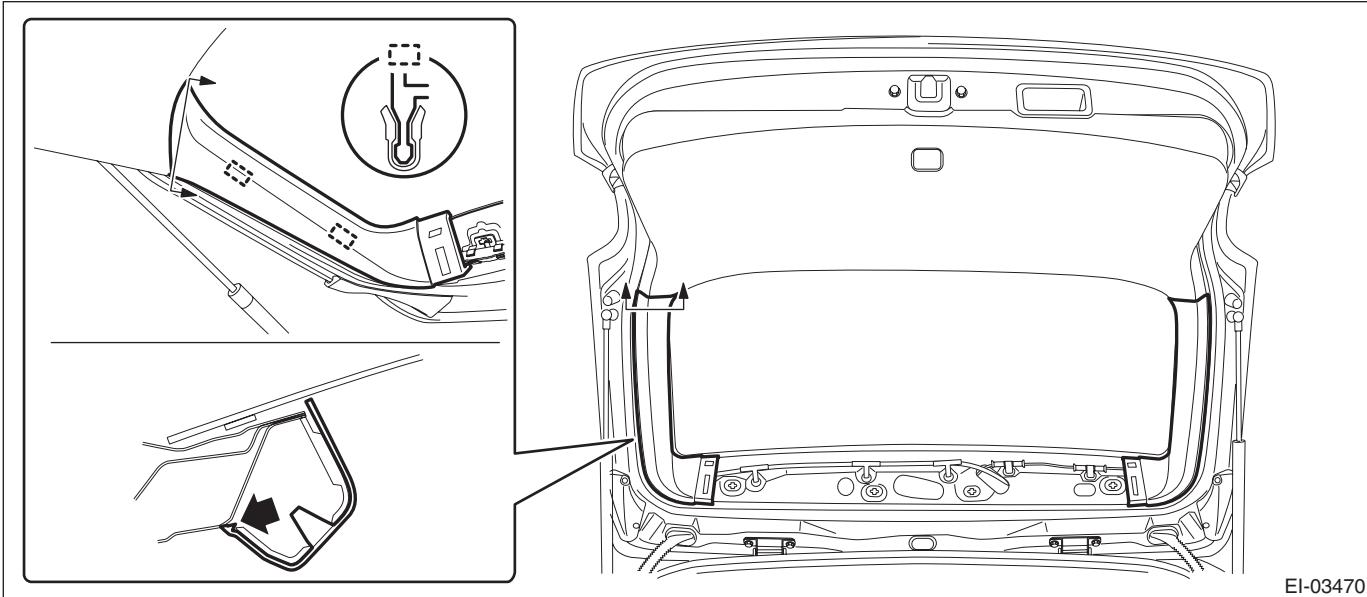
- (2) Release the claws in the center of trim, and remove the trim panel - rear gate UPR.



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

(1) Release the claws.

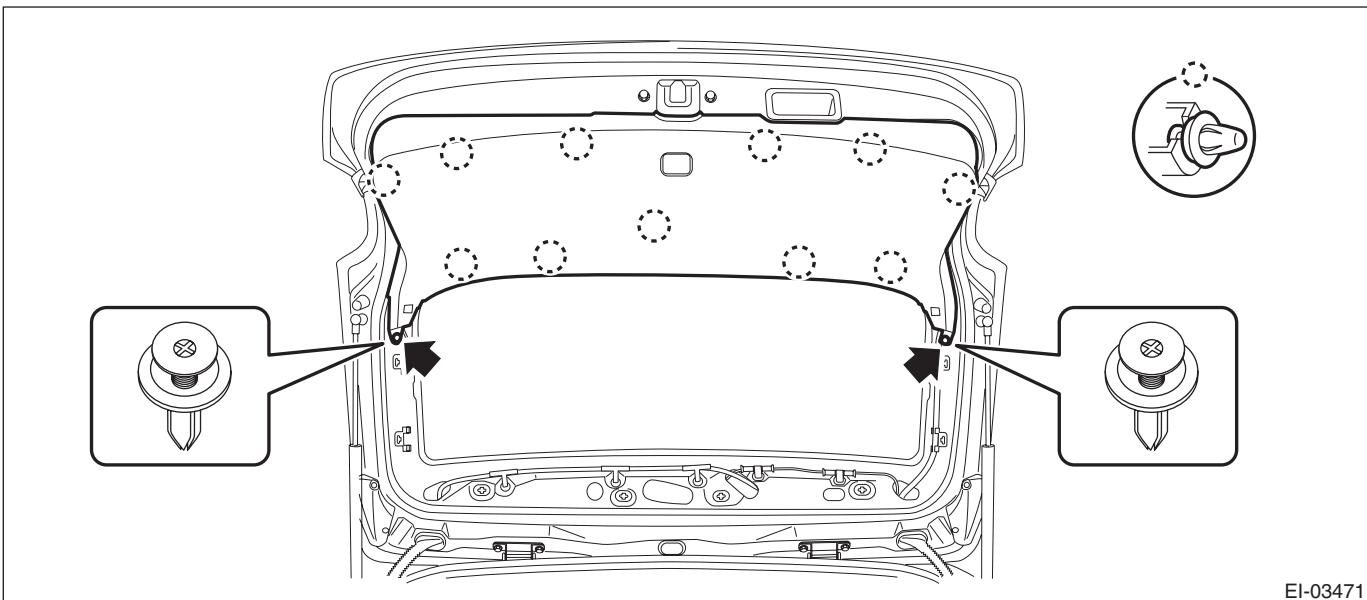
(2) Remove the claws on the bottom of trim, and remove the trim panel - rear gate pillar side.



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.



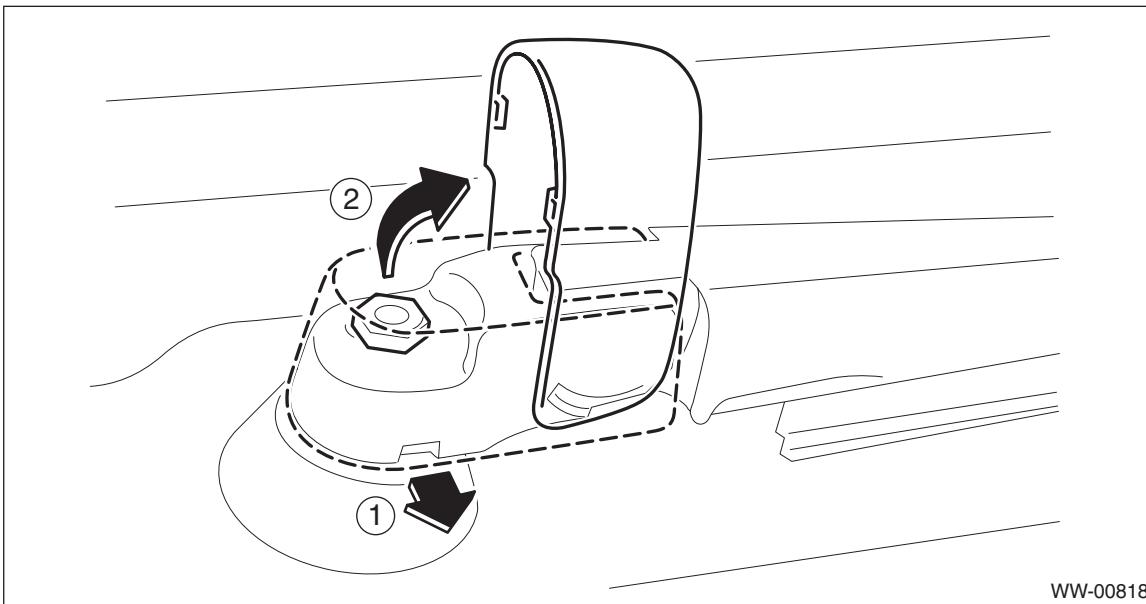
5) Remove the arm assembly - rear wiper.

(1) Remove the cover - rear wiper arm.

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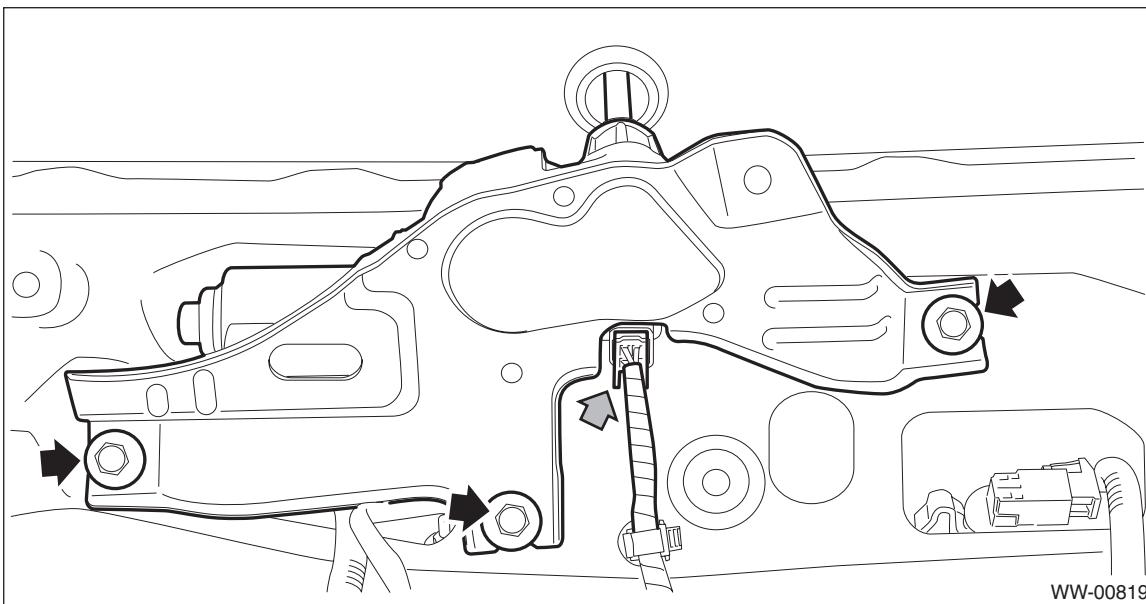
ENTERTAINMENT

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



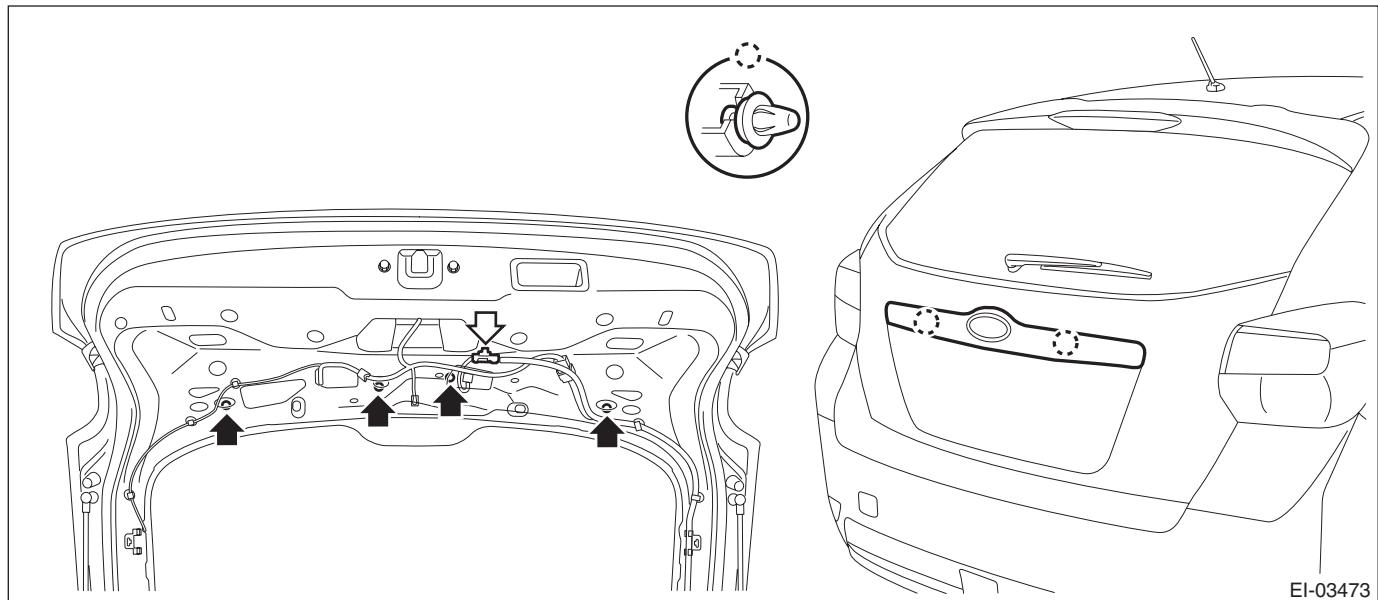
6) Remove the motor assembly - rear wiper.

(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.

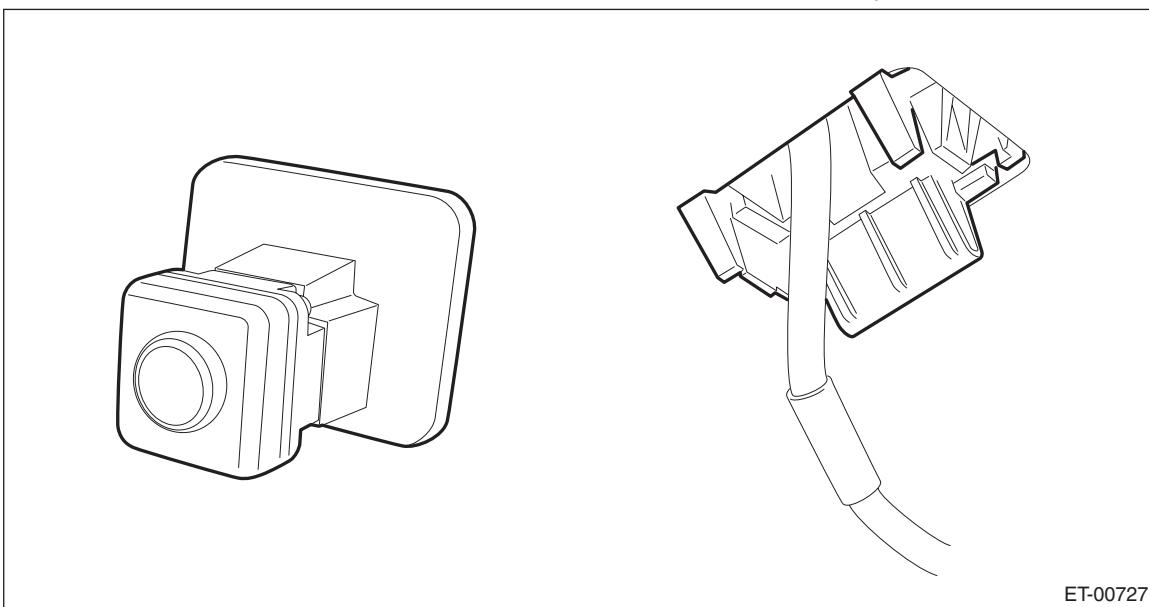


8) Remove the rearview camera assembly.

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

Rearview camera (bracket): 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

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

5 door model/XV model

Rearview camera (bracket (nut)): 4.5 N·m (0.46 kgf-m, 3.3 ft-lb)

Rearview camera (ground (bolt)): 13 N·m (1.33 kgf-m, 9.6 ft-lb)

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

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

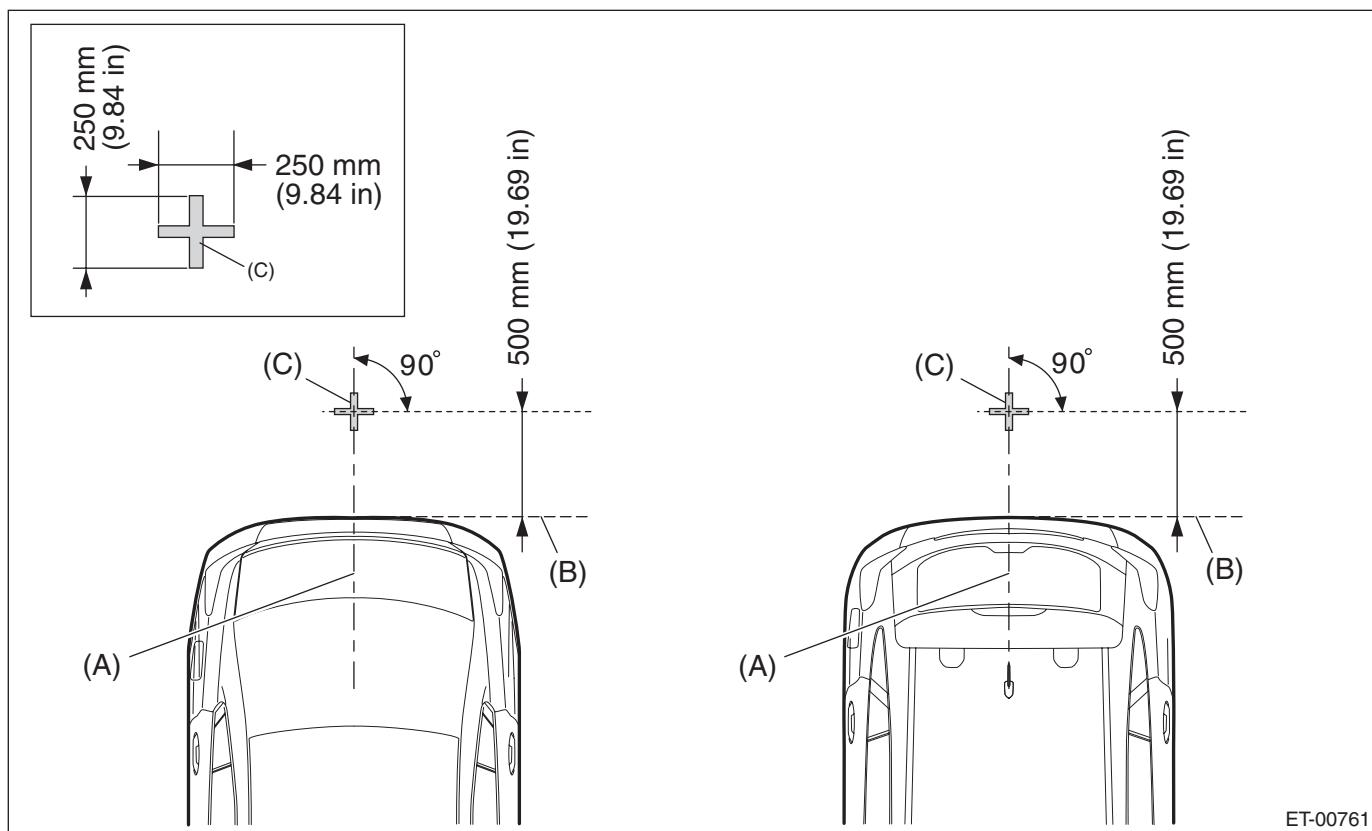
D: INSPECTION

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 screen is displayed normally.)

1. Check the condition of back sensor connection. <Ref. to ET-5, CHECK EACH VEHICLE SIGNAL, INSPECTION, Navigation System.>
2. Check the condition of rearview camera connection. <Ref. to ET-4, 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-43, MARKER ADJUSTMENT MODE, ADJUSTMENT, Rearview Camera System.>

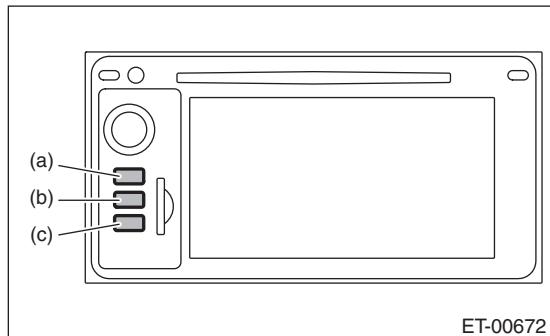
E: ADJUSTMENT

1. MARKER ADJUSTMENT MODE

CAUTION:

When replacing the navigation unit, be sure to replace with specified navigation unit. The marker adjustment can not be performed correctly if replacing with unspecified navigation unit.

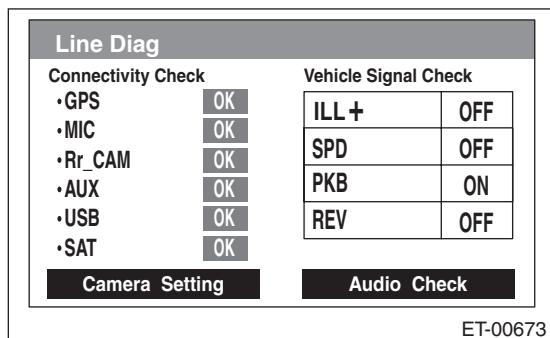
- 1) Prepare the target point. <Ref. to ET-42, INSPECTION, Rearview Camera System.>
- 2) With the main power OFF, press and hold the button (c) for 3 seconds or more while pressing the buttons (a) and (b) simultaneously.



NOTE:

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

- 3) Line Diag screen is displayed.



- 4) Touch {Camera Setting} key to display «Camera Setting» screen.

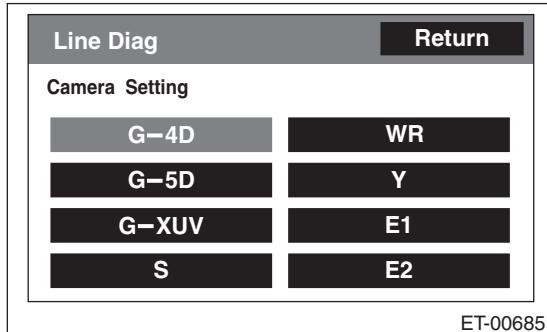
Rearview Camera System

ENTERTAINMENT

5) Touch {G-4D} key.

CAUTION:

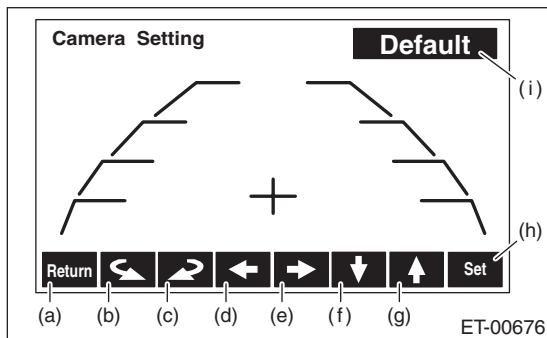
Do not use {G-5D} key or {G-XUV} key.



6) Shift the shift lever or the select lever to the following position to display the image of the rearview camera:

- MT model: Shift lever shifted to “Reverse” position.
- CVT model: Select lever shifted to “R” position.

7) Touch the adjustment keys (d), (e), (f) and (g) on the display screen to adjust the marker line.



- (a) Returns to vehicle selection screen.
- (b) Rotates the cross line on the center of the screen counterclockwise by 0.25°.
- (c) Rotates the cross line on the center of the screen clockwise by 0.25°.
- (d) Moves the guide line and cross line to the left.
- (e) Moves the guide line and cross line to the right.
- (f) Moves the guide line and cross line downward.
- (g) Moves the guide line and cross line upward.
- (h) Saves settings for vehicle selection and guide line.
- (i) Resets the adjustment value to the default condition.

(1) Confirm that the target point position in the display screen is identified.

(2) Adjust by touching the adjustment keys so that the cross line and target point join together.

8) Turn the ignition switch to OFF and wait for 60 seconds or more before turning the ignition switch to ON again.

CAUTION:

If the ignition switch is turned to OFF, be sure to wait for 60 seconds or more before turning the ignition switch to ON again.

If turning the ignition switch to ON again or disconnecting the ground cable from battery within 60 seconds after turning the ignition switch to OFF, the navigation unit data updating can not be performed correctly.

9) Shift the shift lever or the select lever to the following position to display the image of the rearview camera:

- MT model: Shift lever shifted to “Reverse” position.
- CVT model: Select lever shifted to “R” position.

10) Confirm that the marker line position is correctly adjusted before turning the ignition switch to OFF, then finish the procedures.