

3. Audio System

A: WIRING DIAGRAM

1. AUDIO

Refer to "Audio System" in the wiring diagram.

- Gasoline engine model: <Ref. to WI(w/o HEV)-52, WIRING DIAGRAM, Audio System.>
- HEV model: <Ref. to WI(HEV)-61, WIRING DIAGRAM, Audio System.>

B: OPERATION

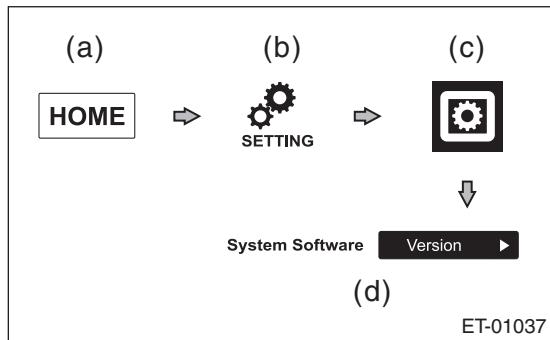
Use the following operations to confirm the product information.

CAUTION:

For models with 7 inch display, refer to "OPERATION" in "Navigation System". <Ref. to ET-8, OPERATION, Navigation System.>

1. STARLINK CONNECTION ID DISPLAY

- 1) Turn the ignition switch to ACC.
- 2) Press the HOME button (a) to display the {HOME} screen.
- 3) Touch the {SETTINGS} (b) to display the {SETTINGS} screen.
- 4) Touch the {Settings General} (c) to display the {Settings General} screen.
- 5) Touch the {Version} (d) in {System Software}.



- 6) Confirm the Serial Number (8 digits).

2. SOFTWARE VERSION DISPLAY

- 1) Perform the same procedure as for the STARLINK connection ID display. <Ref. to ET-4, STARLINK CONNECTION ID DISPLAY, OPERATION, Audio System.>
- 2) Confirm the Software Ver.

C: INSPECTION

1. CHECK AUDIO OPERATION

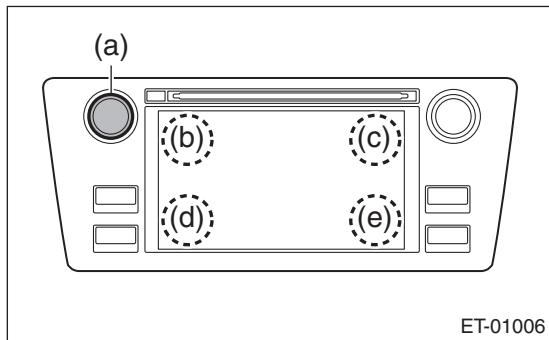
Symptoms	Inspection steps
No power coming in. (No display and no sound from speakers.)	1. Check the fuse and power supply for audio. 2. Check the audio ground. 3. Remove the audio and repair them.
A specific speaker does not operate.	1. Check the speaker. 2. Check the output circuit between audio and speaker.
Audio generates noise with engine running.	1. Check the audio ground. 2. Check the generator. 3. Check the ignition coil. 4. Remove the audio and repair them.
Volume is low in AM and FM modes or interference noise occurs.	1. Check the antenna. 2. Check the rear window defogger. 3. Check the audio ground. 4. Remove the audio and repair them.
Rear window defogger generates noise when it operate.	1. Check the rear window defogger.
Error message is displayed.	Refer to "Diagnostics with Phenomenon". <Ref. to ET-50, Diagnostics with Phenomenon.>

2. CHECK EACH CONNECTION

CAUTION:

For models with 7 inch display, refer to "Navigation System". <Ref. to ET-9, CHECK EACH CONNECTION, INSPECTION, Navigation System.>

- 1) Turn the ignition switch to ACC.
- 2) (a) Press the button to display the Audio OFF screen.
- 3) 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.

- 4) {Line Diag} screen is displayed.

Audio System

ENTERTAINMENT

- 5) Check the connection status with the {Connectivity Check} in the {Line Diag} screen.

Line Diag	
Connectivity Check	Vehicle Signal Check
MIC : OK	ILL+ : NG
Rr_CAM : OK	SPD : NG
USB : OK	PKB : NG
AUX : OK	REV : NG
SXM : OK	
UART : NG	
Camera Setting Audio Check Dealer Diag	

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OK: Each connection device is connected properly.

NG: No connection or abnormal connection is detected.

NOTE:

Check the external connection terminals (USB and AUX) by connecting a memory for check or a pin jack.

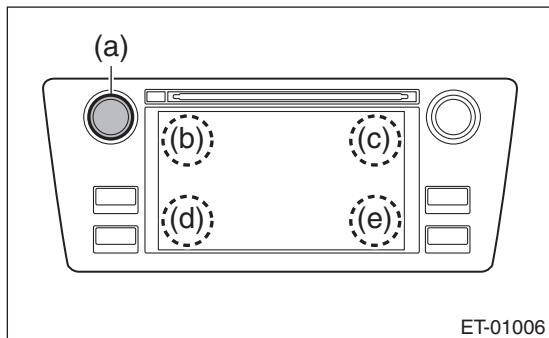
6) Check the connection status of the connector. If there are no problems, the connection device or unit could be faulty.

3. CHECK EACH VEHICLE SIGNAL

CAUTION:

For models with 7 inch display, refer to "Navigation System". <Ref. to ET-10, CHECK EACH VEHICLE SIGNAL, INSPECTION, Navigation System.>

- 1) Turn the ignition switch to ACC.
- 2) (a) Press the button to display the Audio OFF screen.
- 3) 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.

- 4) {Line Diag} screen is displayed.
- 5) Check the connection status with the {Vehicle Signal Check} in the {Line Diag} screen.

Line Diag	
Connectivity Check	Vehicle Signal Check
MIC : OK	ILL+ : NG
Rr_CAM : OK	SPD : NG
USB : OK	PKB : NG
AUX : OK	REV : NG
SXM : OK	
UART : NG	
Camera Setting Audio Check Dealer Diag	

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• Check illumination

NOTE:

Before starting inspections, turn the ignition to ON.

1) Set the lighting switch to the parking position.

Make sure that the bright switch is not turned ON at this time.

2) Make sure that {OK} lights in ILL+ and then the screen becomes dim.

OK: Normal

NG: Abnormal. Check the signal line connector. If there are no problems, the unit could be faulty.

• Check speed sensor

NOTE:

• Before starting inspections, check the safety around the vehicle.

• Lift up the vehicle as necessary.

• When the diagnostic trouble code is input in the VDC CM, perform the Clear Memory operation.

1) Drive the vehicle at 8 km/h (5 MPH) or more.

2) Check that {OK} is displayed in SPD.

OK: Normal

NG: Vehicle speed is less than 8 km/h (5 MPH), or malfunction is detected in the signal line. Check the signal line connector. If there are no problems, the unit could be faulty.

• Check parking brake signal

1) Pull parking brake lever.

2) Check that {OK} is displayed in PKB.

OK: Normal

NG: Abnormal. Check the signal line connector. If there are no problems, the unit could be faulty.

• Check back sensor

NOTE:

Before starting inspections, check the safety around the rear end of the vehicle and then turn the ignition to ON.

1) Pull the parking brake lever and depress the brake pedal, then place the select lever or gear shift lever in reverse.

2) Make sure that {OK} is displayed in REV.

OK: Normal

NG: Abnormal. Check the signal line connector. If there are no problems, the unit could be faulty.

D: NOTE

For procedure of each component in the audio system, refer to the respective sections.

- Audio unit: <Ref. to ET-12, Audio.>
- Front speaker
 - Tweeter (instrument panel): <Ref. to ET-15, TWEETER, REMOVAL, Front Speaker.>
 - Door speaker: <Ref. to ET-16, DOOR SPEAKER, REMOVAL, Front Speaker.>
- Rear speaker: <Ref. to ET-18, Rear Speaker.>
- Antenna: <Ref. to ET-20, Antenna.>
- Steering satellite switch: <Ref. to ET-32, Steering Satellite Switch.>
- External connection terminal: <Ref. to ET-49, External Connection Terminal.>
- Rearview camera: <Ref. to ET-37, Rearview Camera System.>