

4. Navigation System

A: WIRING DIAGRAM

Refer to "Navigation System" in the wiring diagram.

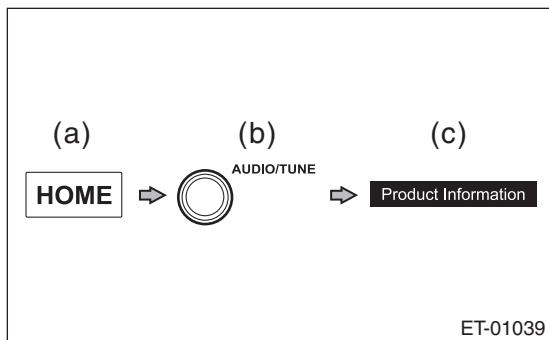
- Gasoline engine model: <Ref. to WI(w/o HEV)-166, WIRING DIAGRAM, Navigation System.>
- HEV model: <Ref. to WI(HEV)-171, WIRING DIAGRAM, Navigation System.>

B: OPERATION

Use the following operations to confirm the product information.

1. STARLINK CONNECTION ID DISPLAY

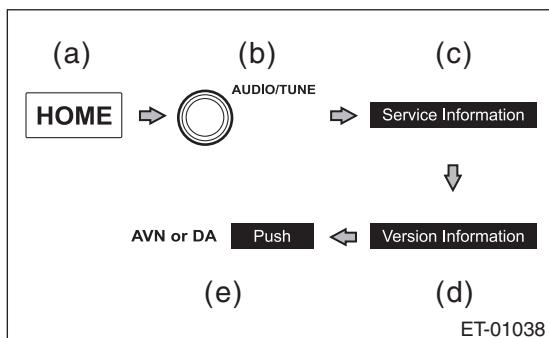
- 1) Turn the ignition switch to ACC.
- 2) Press the AUDIO/TUNE knob (b) five times with the HOME button (a) pressed to display the {Service Menu} screen.
- 3) Touch the {Product Information} (c) to display the {Product Information} screen.



- 4) Confirm the connectivity ID (16 digits).

2. SOFTWARE VERSION DISPLAY

- 1) Turn the ignition switch to ACC.
- 2) Press the AUDIO/TUNE knob (b) five times with the HOME button (a) pressed to display the {Service Menu} screen.
- 3) Touch the {Service Information} (c).
- 4) Touch the {Version Information} (d) to display the {Version Information} screen.
- 5) Touch the {AVN or DA} (e) to display the {Unit Version Information} screen.



- 6) Confirm the version.

C: INSPECTION

1. CHECK NAVIGATION OPERATION

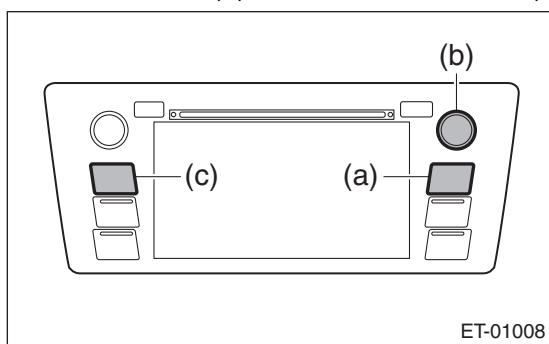
| Symptoms | Inspection steps |
|------------------------------|--|
| Map screen is not displayed. | <ol style="list-style-type: none">1. Check the map data (microSD card).2. Remove the map data (microSD card) to repair.3. Remove the navigation to repair. |

NOTE:

Refer to "Audio System" for navigation audio operation check. <Ref. to ET-5, CHECK AUDIO OPERATION, INSPECTION, Audio System.>

2. CHECK EACH CONNECTION

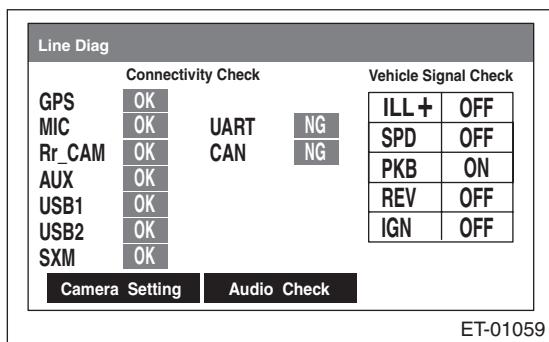
- 1) Turn the ignition switch to ACC.
- 2) Press the button (b) twice with the button (a) pressed.



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.

- 3) {Line Diag} screen is displayed.
- 4) Check the connection status with the {Connectivity Check} in the {Line Diag} screen.



NOTE:

GPS is displayed only for the navigation system.

OK: Each connection device is connected properly.

NG: No connection or abnormal connection is detected.

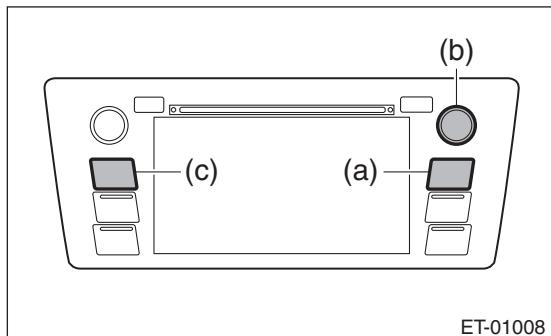
NOTE:

Check the external connection terminals (USB 1, 2 and AUX) by connecting a memory for check or a pin jack.

- 5) 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

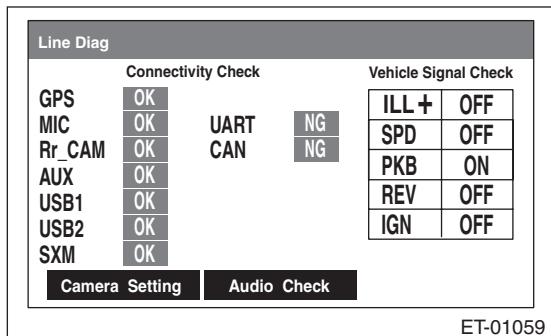
- 1) Turn the ignition switch to ACC.
- 2) Press the button (b) twice with the button (a) pressed.



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.

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



NOTE:

GPS is displayed only for the navigation system.

• 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 {ON} lights in ILL+ and then the screen becomes dim.

ON: Normal

OFF: 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 9 km/h (6 MPH) or more.

- 2) Check that {ON} is displayed in SPD.

ON: Normal

OFF: Vehicle speed is less than 7 km/h (4 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 {ON} is displayed in PKB.

ON: Normal

OFF: 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, then put the select lever in reverse.
- 2) Make sure that {ON} is displayed in REV.

ON: Normal

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

- **Check ignition signal**

- 1) Turn the ignition to ON.
- 2) Make sure that {ON} is displayed in IGN.

ON: Normal

OFF: 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 navigation system, refer to the respective section.

- Navigation unit: <Ref. to ET-35, Navigation Body.>
- GPS antenna: <Ref. to ET-36, GPS Antenna.>