

## 3. Navigation System

### A: WIRING DIAGRAM

<Ref. to WI-122, WIRING DIAGRAM, Navigation System.>

### B: INSPECTION

#### NOTE:

If there are no problems in the following "CHECK NAVIGATION OPERATION", "CHECK DVD-ROM", "CHECK CONNECTION" and "CHECK EACH VEHICLE SIGNAL", check the navigation system circuit. <Ref. to WI-122, WIRING DIAGRAM, Navigation System.>

### 1. CHECK THE OPERATION OF THE NAVIGATION

Start the engine, and then inspect that the opening screen is displayed.

Standard value: The opening screen should be displayed.

OK: Normal

NG: If the screen is not displayed, check that the map disc is inserted correctly. Or, check the connection of the power supply connector at the back-side of the navigation unit. If there are no problems in the connecting lines or the lines were repaired, check that the opening screen is displayed.

At this point, if the display is not viewable, the unit is defective.

### 2. CHECK THE DVD-ROM

An opening screen is displayed, then it switches to the map screen by pressing the «Agree» key.

When a screen other than the opening screen is displayed, press the «MAP» key.

Standard value: The map screen should be displayed.

OK: Normal

NG: If the map screen is not displayed, the following causes are possible.

- The DVD-ROM is not set in the navigation system unit.
- The DVD-ROM is inserted with its wrong side.
- The type of DVD-ROM is wrong.
- The DVD-ROM has scratches etc.

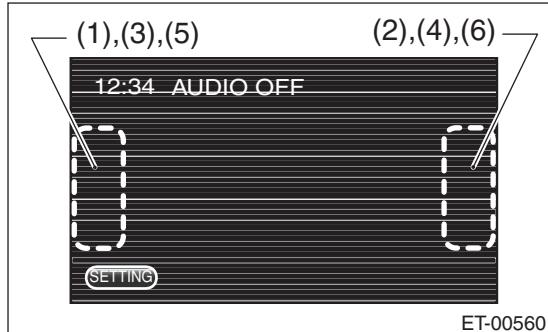
If there are no problems on the DVD-ROM, the main body is defective.

### 3. CHECK CONNECTION

#### CHECK AUX

1) Press «Audio» key to display the Audio OFF screen.

2) Touch the screen in the order of (1) to (6) shown in the figure.



3) The display will switch to the Dealer Diag Menu screen.

4) Touch {Connection Info.} on the «Dealer Diag Menu» screen.



5) Check that "Connect" is displayed in the respective section of AUX.

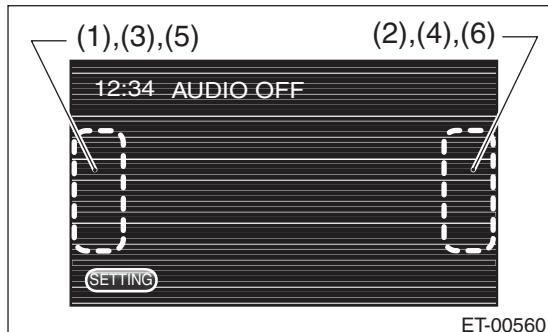
Connect: Normal.

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

### 4. CHECK EACH VEHICLE SIGNAL

1) Press «Audio» key to display the Audio OFF screen.

2) Touch the screen in the order of (1) to (6) shown in the figure.



3) The display will switch to the Dealer Diag Menu screen.



## • CHECK GPS ANTENNA

### NOTE:

When checking the GPS antenna, perform the check operation outdoors to improve the receiver sensitivity.

- 1) Touch {Vehicle Signal Info.} on the «Dealer Diag Menu» screen.
- 2) Check that "Connect" is displayed in the GPS Antenna item.

Connect: Normal.

NC: Abnormal. Check the GPS antenna connection.

## • CHECK BACK SENSOR

### NOTE:

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

- 1) Touch {Vehicle Signal Info.} on the «Dealer Diag Menu» screen.
- 2) Pull the parking brake and depress the brake, then put the gear in reverse.
- 3) Make sure that "ON" is displayed in the Reverse item.

ON: Normal.

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

## • CHECK ILLUMINATION

### NOTE:

Before starting inspections, turn the ignition switch to ON.

- 1) Touch {Vehicle Signal Info.} on the «Dealer Diag Menu» screen.
- 2) Turn the lighting switch to level 1.

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

- 3) Make sure that "ON" lights in the Illumination item and then the screen fades out.

ON: Normal.

OFF: Abnormal. Check the signal line connection. 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 VDCCM, perform the Clear Memory operation.

- 1) Touch {Vehicle Signal Info.} on the «Dealer Diag Menu» screen.

- 2) Move the vehicle 2 to 3 meters (6.6 to 9.8 ft).

- 3) Check that "ON" is displayed in the Speed item.

ON: Normal.

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

## • CHECK IGNITION SIGNAL

- 1) Touch {Vehicle Signal Info.} on the «Dealer Diag Menu» screen.

- 2) Turn the ignition switch to ON.

- 3) Check that "ON" is displayed in the IGN item.

ON: Normal.

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

## • CHECK PARKING BRAKE SIGNAL

- 1) Touch {Vehicle Signal Info.} on the «Dealer Diag Menu» screen.

- 2) Pull parking brake lever.

- 3) Check that "ON" is displayed in the Parking item.

ON: Normal.

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

## C: NOTE

For procedure of each component in the navigation system, refer to the respective section.

- Navigation unit <Ref. to ET-12, Navigation Body.>
- GPS antenna <Ref. to ET-13, GPS Antenna.>