

## 3. Navigation System

### A: WIRING DIAGRAM

<Ref. to WI-127, WIRING DIAGRAM, Navigation System.>

### B: INSPECTION

#### 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: When not displayed, check the signal line connector and the audio connector. 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 after a while.

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, check whether the DVD-ROM is set in the navigation system, whether the correct side is set, type of the DVD-ROM, the existence of any scratches, etc. If there are no problems on the DVD-ROM, the main body is defective.

#### 3. CHECK EACH CONNECTION

If no problem is found in inspections 1 and 2 above, perform inspection using “<Ref. to WI-127, WIRING DIAGRAM, Navigation System.>” of the navigation system.

### 4. SWITCHING TO CONNECTION INSPECTION MODE

- 1) Press the menu key.
- 2) Select navigation setup from the menu screen.
- 3) Select navigation information from the navigation setup screen.
- 4) Select the vehicle signal from the navigation information screen.
- 5) The display will switch to the vehicle signal (for connection inspection) screen.
- 6) Check that the display changes according to each operation.

ON: Normal

NG: Check the circuit when the display does not change.

#### 5. CHECK THE GPS ANTENNA

##### NOTE:

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

Make sure that a value other than “zero” is displayed in the GPS item.

OK: Normal

NG: If “No positioning” is displayed, check the GPS antenna connection.

If the GPS display is red, the main unit could be faulty.

#### 6. CHECK THE BACK SENSOR

##### NOTE:

Before starting inspections, inspect the safety around the rear end of the vehicle.

- 1) Turn the ignition switch to ON.
- 2) Pull the parking brake and depress the brake, then put the gear in reverse.
- 3) Make sure that “On” is lit in the back sensor item.

Standard Value: “On” should be lit.

On: Normal

NG: If “On” does not light, check the signal line connection. If there are no problems, the unit could be faulty.

## 7. CHECK THE ILLUMINATION

1) Turn the lighting switch to level 1.

NOTE:

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

2) Make sure that “On” lights in the illumination item, then the screen fades out.

Standard Value: “On” should be lit.

OK: Normal

NG: If “On” does not light, check the signal line connection. If there are no problems, the unit could be faulty.

## 8. CHECK SPEED SENSOR

NOTE:

- Before starting inspections, inspect 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) Move the vehicle 2 to 3 meters (6.6 to 9.8 ft).

2) Check that the numbers from the speed sensor are displayed.

Standard value: Vehicle speed is to be shown in numbers.

OK: Normal

NG: If vehicle speed is not displayed, check the signal line connection. If there are no problems, the unit could be faulty.

## C: NOTE

For the removal of navigation system component parts, refer to the corresponding section for each component.

- Navigation unit <Ref. to ET-27, Navigation Body.>
- GPS antenna <Ref. to ET-29, GPS Antenna.>
- Navigation switch <Ref. to ET-28, REMOVAL, Navigation Switch.>