

TELEMATICS SYSTEM (DIAGNOSTICS) > Diagnostic Procedure with Diagnostic Trouble Code (DTC)

DTC B2A05 LEFT SPEAKER/AUDIO CIRCUIT

Diagnosis start condition:

When ACC is ON.

DTC detecting condition:

Speaker impedance is more than 10 kΩ for 100 ms. (Detached speaker connection, etc.)

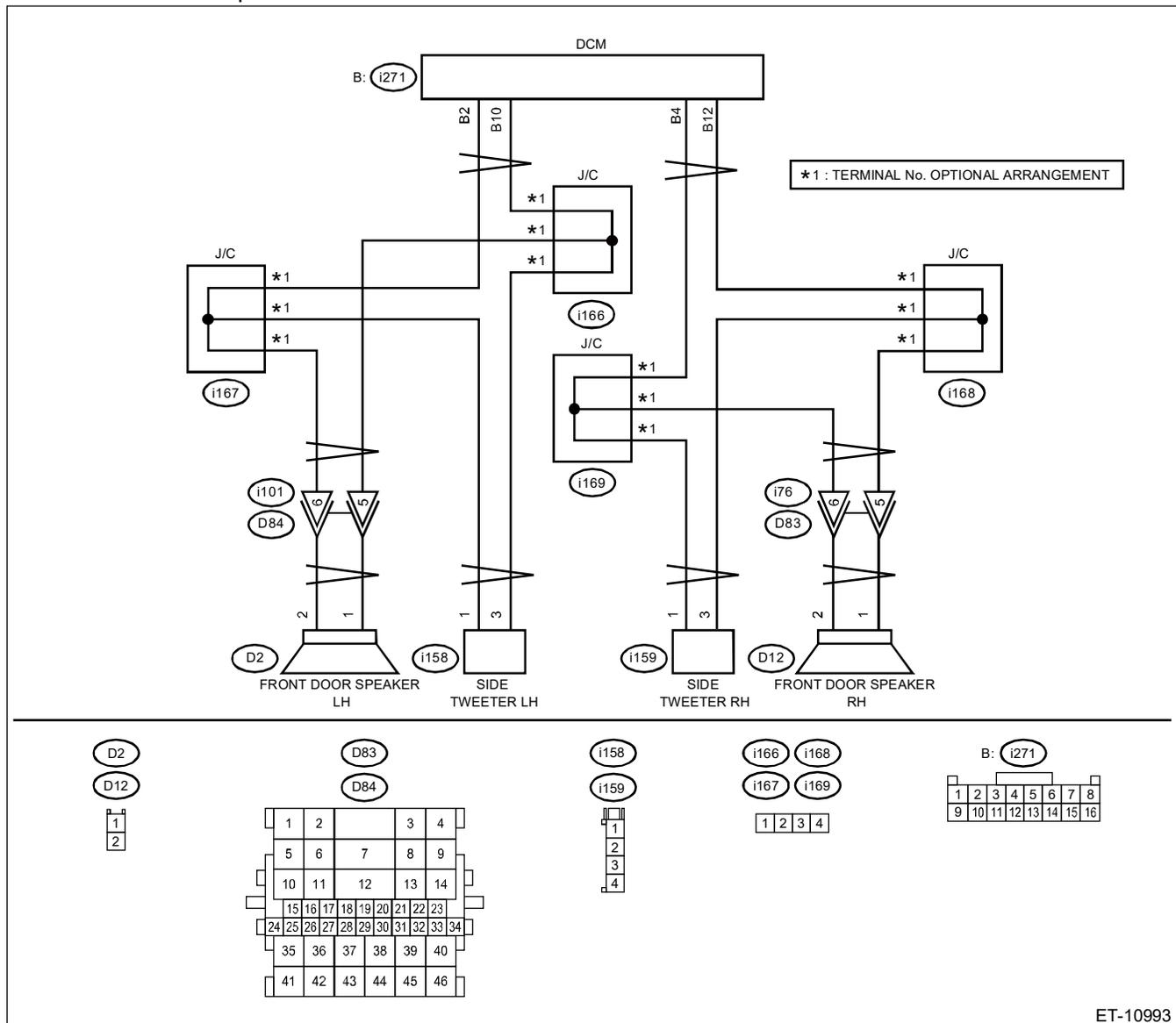
Trouble symptom:

- Call function cannot be used.
- RED LED illuminates.

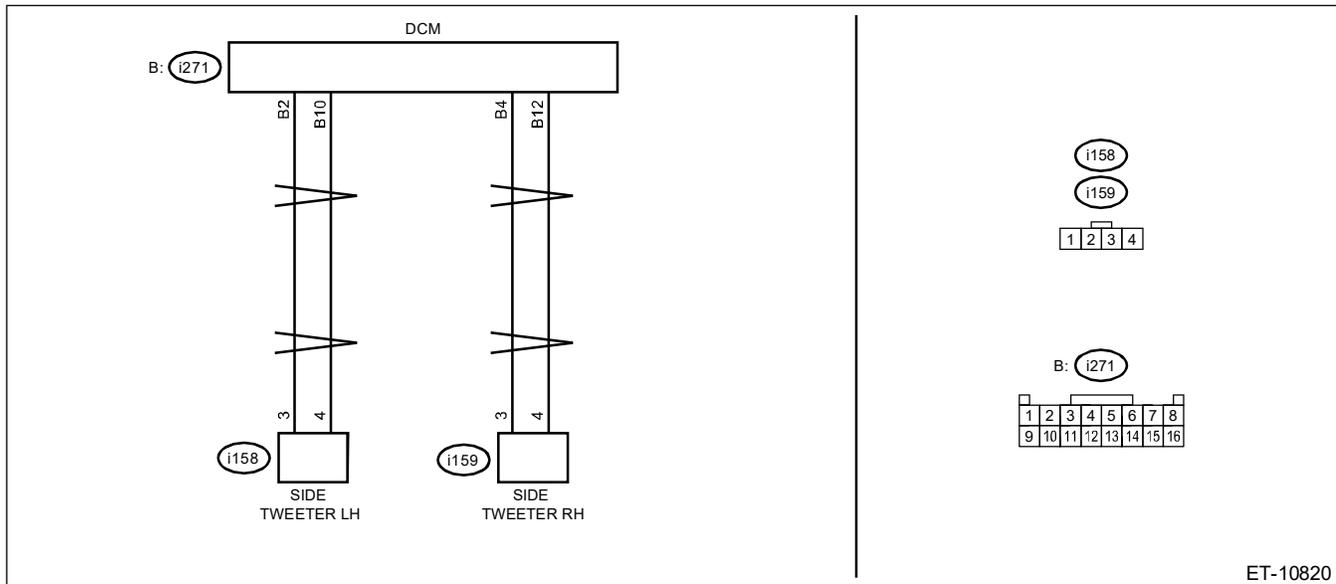
Wiring diagram:

Telematics  Ref. to [WIRING SYSTEM>Telematics System>WIRING DIAGRAM.](#)

- Without audio amplifier



- With audio amplifier

**Caution:**

- **After the DCM is replaced, registrations of CommCheck and immobilizer system are required.**
 [Ref. to ENTERTAINMENT & MONITORING>Telematics System>OPERATION >REGISTRATION \(COMM CHECK\).](#)
- **Before performing diagnosis, refer to "CAUTION" in "General Description".**  [Ref. to TELEMATICS SYSTEM \(DIAGNOSTICS\)>General Description>CAUTION.](#)

1. CHECK DTC.

Read the DTC of [Telematics] using the Subaru Select Monitor.  [Ref. to TELEMATICS SYSTEM \(DIAGNOSTICS\)>Diagnostic Trouble Code \(DTC\).](#)

Is DTC B2A05 displayed? (Current malfunction)

Yes

 [Go to 2.](#)

No

Even if DTC is displayed, the circuit has returned to a normal condition at this time. Reproduce the failure, and then perform the diagnosis again.

Note:

In this case, temporary poor contact of connector, temporary open or short circuit of harness may be the cause.

2. PERFORM ACTIVE TEST.

Using the Subaru Select Monitor, check the following items in the [Active Test] of [Telematics].

 [Ref. to TELEMATICS SYSTEM \(DIAGNOSTICS\)>Active Test.](#)

- Speaker ON

Does it sound?

Yes

Even if DTC is displayed, the circuit has returned to a normal condition at this time. Reproduce the failure, and then perform the diagnosis again.

Note:

In this case, temporary poor contact of connector, temporary open or short circuit of harness may be the cause.

No

 [Go to 3.](#)

3. CHECK HARNESS (OPEN CIRCUIT).

1. Turn the ignition switch to OFF.
2. Disconnect the speaker connector and tweeter connector.
3. Disconnect the DCM connector.
4. Measure the resistance between speaker connector and tweeter connector and DCM connector.

Connector & terminal

Without audio amplifier

- (i271) No. 2 — (D2) No. 2:
- (i271) No. 2 — (i158) No. 1:
- (i271) No. 10 — (D2) No. 1:
- (i271) No. 10 — (i158) No. 3:

With audio amplifier

- (i271) No. 2 — (i158) No. 3:
- (i271) No. 10 — (i158) No. 4:

Is the resistance 1 Ω or less?

Yes

 [Go to 4.](#)

No

Repair or replace the open circuit of harness.

4. CHECK HARNESS (GROUND SHORT CIRCUIT).

Measure the resistance between DCM connector and chassis ground.

Connector & terminal

(i271) No. 2 — Chassis ground:

(i271) No. 10 — Chassis ground:

Is the resistance 1 MΩ or more?

 Yes

 [Go to 5.](#)

 No

Repair or replace the short circuit of the harness.

5. CHECK THE CONNECTOR (SHORT CIRCUIT TO POWER SUPPLY).

1. Turn the ignition switch to ON.
2. Measure the voltage between DCM connector and chassis ground.

Connector & terminal

(i271) No. 2 (+) — Chassis ground (-):

(i271) No. 10 (+) — Chassis ground (-):

Is the voltage less than 1 V?

 Yes

 [Go to 6.](#)

 No

Repair or replace the short circuit of the harness.

6. CHECK THE SPEAKER.

1. Turn the ignition switch to OFF.
2. Perform the inspection of speaker unit and tweeter unit.  [Ref. to ENTERTAINMENT & MONITORING>Front Speaker.](#)

Is the check result OK?

 Yes

Replace the DCM.  [Ref. to ENTERTAINMENT & MONITORING>Data Communication Module.](#)

 No

Replace the speaker and tweeter.  [Ref. to ENTERTAINMENT & MONITORING>Front Speaker.](#)