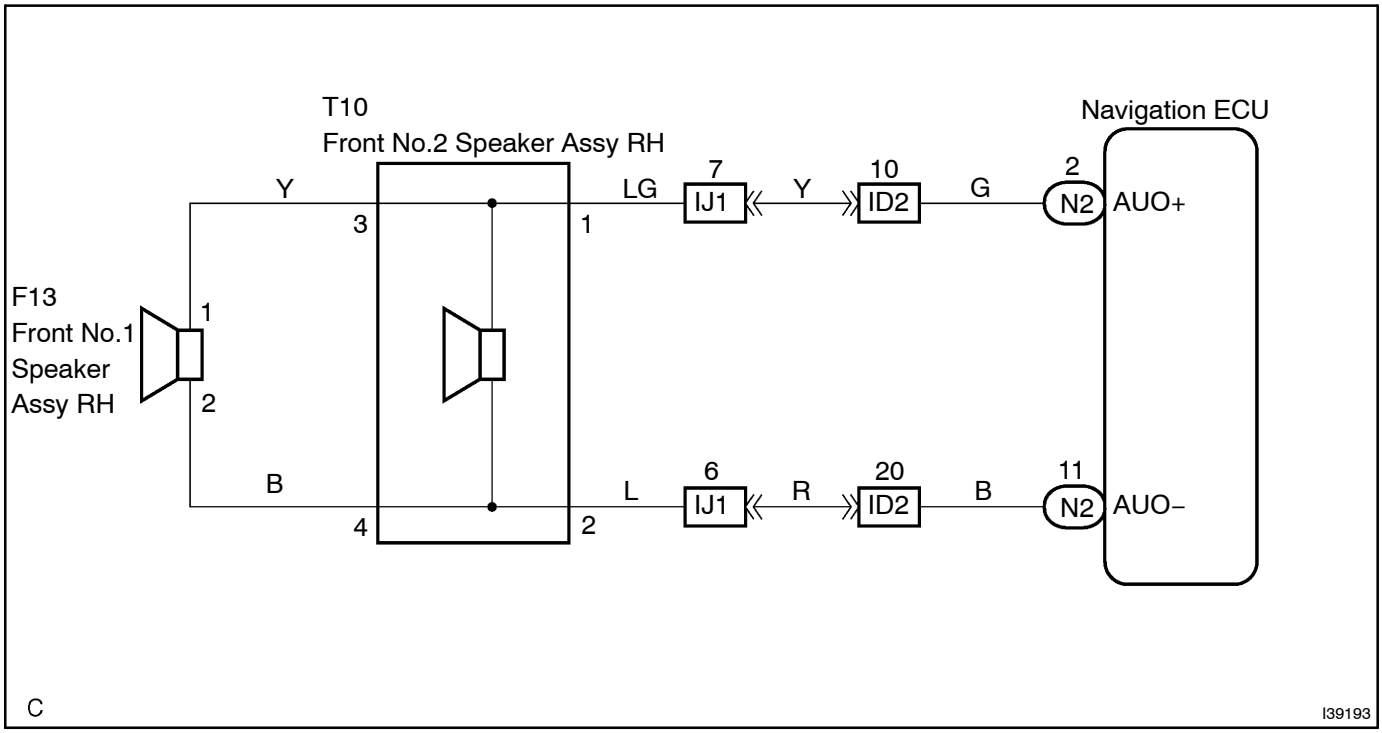
SPEAKER CIRCUIT (NAVIGATION VOICE)

CIRCUIT DESCRIPTION

This circuit is used when the voice guidance in the navigation system is on.

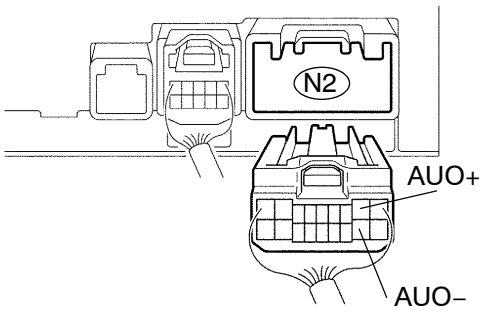
WIRING DIAGRAM



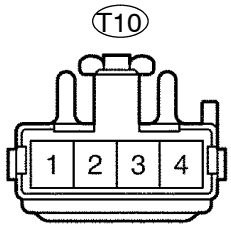
INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(FRONT NO.2 SPEAKER ASSY – NAVIGATION ECU)

Navigation ECU:



Wire Harness Side:
Front No.2 Speaker Assy



I40178
I38999
I40553

(a) Disconnect the connectors from the navigation ECU and speaker.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
AUO+ – T10–1	Always	Below 1 Ω
AUO– – T10–2	Always	Below 1 Ω
AUO+ – Body ground	Always	10 kΩ or higher
AUO– – Body ground	Always	10 kΩ or higher

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2	INSPECT FRONT NO. 2 SPEAKER ASSY

(a) Check that malfunction disappears when another speaker in a good condition is installed.
OK: Malfunction disappears

HINT:

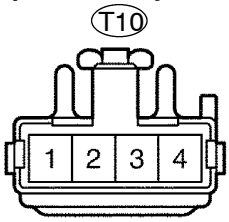
- Connect all the connectors to the speakers.
- When there is a possibility that either right or left front speaker is defective, inspect by interchanging the right one and the left one.

OK	REPLACE FRONT NO. 2 SPEAKER ASSY (SEE PAGE 67–10)

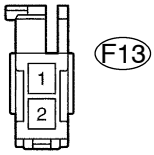
NG

3	CHECK HARNESS AND CONNECTOR(FRONT NO. 2 SPEAKER ASSY – FRONT NO. 1 SPEAKER ASSY)

Wire Harness Side:
Front No.2 Speaker Assy



Wier Harness Side:
Front No.1 Speaker Assy



I38999
I38233
I40554

(a) Disconnect the connectors from the front No.2 speaker assy and front No.1 speaker assy.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
3 (No.2 speaker) – 1 (No.1 speaker)	Always	Below 1 Ω
4 (No.2 speaker) – 2 (No.1 speaker)	Always	Below 1 Ω
3 (No.2 speaker) – Body ground	Always	10 kΩ or higher
4 (No.2 speaker) – Body ground	Always	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4	INSPECT FRONT NO. 1 SPEAKER ASSY

(a) Resistance check
(1) Measure the resistance between the terminals of the speaker.

NOTICE:
The speaker should not be removed for checking.

Standard: Approximately 4 Ω

NG → **REPLACE FRONT NO. 1 SPEAKER ASSY (SEE PAGE 67–9)**

OK

REPLACE NAVIGATION ECU (SEE PAGE 67–8)