SPEAKER CIRCUIT

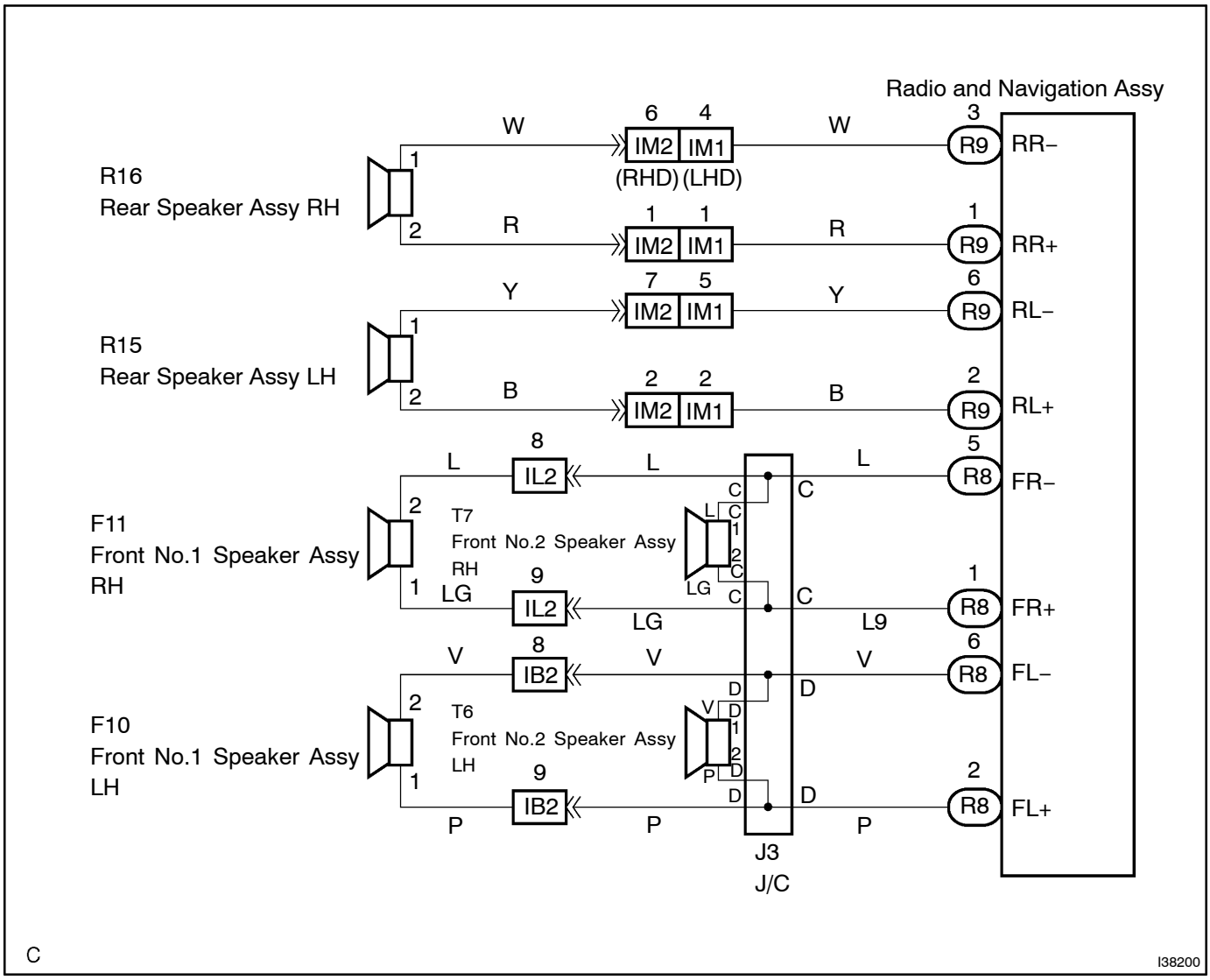
CIRCUIT DESCRIPTION

The sound signal that has been amplified by the stereo component amplifier (built in the radio and navigation assy) is sent to the speaker from the stereo component amplifier (built in the radio and navigation assy) through this circuit.

If there is a short in this circuit, the stereo component amplifier (built in the radio and navigation assy) detects it and stops output to the speaker.

Thus sound can not be heard from the speaker even if there is no malfunction in the stereo component amplifier (built in the radio and navigation assy) or speaker.

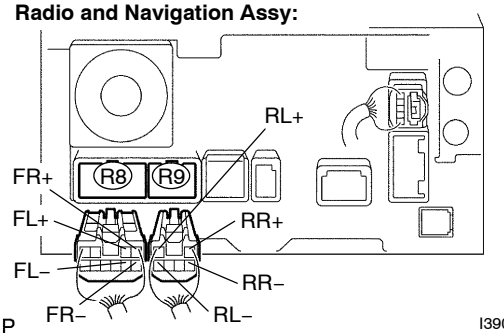
WIRING DIAGRAM



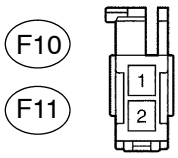
INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(RADIO AND NAVIGATION ASSY – SPEAKER ASSY)

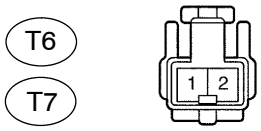
Radio and Navigation Assy:



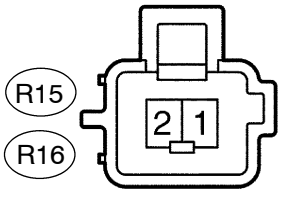
Wire Harness Side:
(Front No.1 Speaker Assy)



Wire Harness Side:
(Front No.2 Speaker Assy)



Wire Harness Side:
(Rear Speaker Assy)



(a) Disconnect the connectors from the radio and navigation assy R8, R9 and speakers.

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

Standard:

Tester connection	Specified condition
FL+ – 1 (Front No.1 speaker assy LH)	Below 1 Ω
FL– – 2 (Front No.1 speaker assy LH)	Below 1 Ω
FR+ – 1 (Front No.1 speaker assy RH)	Below 1 Ω
FR– – 2 (Front No.1 speaker assy RH)	Below 1 Ω
FL+ – 2 (Front No.2 speaker assy LH)	Below 1 Ω
FL– – 1 (Front No.2 speaker assy LH)	Below 1 Ω
FR+ – 2 (Front No.2 speaker assy RH)	Below 1 Ω
FR– – 1 (Front No.2 speaker assy RH)	Below 1 Ω
RL+ – 2 (Rear speaker assy LH)	Below 1 Ω
RL– – 1 (Rear speaker assy LH)	Below 1 Ω
RR+ – 2 (Rear speaker assy RH)	Below 1 Ω
RR– – 1 (Rear speaker assy RH)	Below 1 Ω
FL+ (Front No.1 speaker assy LH) – Body ground	10 kΩ or higher
FL– (Front No.1 speaker assy LH) – Body ground	10 kΩ or higher
FR+ (Front No.1 speaker assy RH) – Body ground	10 kΩ or higher
FR– (Front No.1 speaker assy RH) – Body ground	10 kΩ or higher
FL+ (Front No.2 speaker assy LH) – Body ground	10 kΩ or higher
FL– (Front No.2 speaker assy LH) – Body ground	10 kΩ or higher
FR+ (Front No.2 speaker assy RH) – Body ground	10 kΩ or higher
FR– (Front No.2 speaker assy RH) – Body ground	10 kΩ or higher
RL+ (Rear speaker assy LH) – Body ground	10 kΩ or higher
RL– (Rear speaker assy LH) – Body ground	10 kΩ or higher
RR+ (Rear speaker assy RH) – Body ground	10 kΩ or higher
RR– (Rear speaker assy RH) – Body ground	10 kΩ or higher

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

OK

2	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: 4 Ω

NG → **REPLACE FRONT NO. 1 SPEAKER ASSY (SEE PUB. NO. RM915E, PAGE 67–5)**

OK

3	INSPECT FRONT NO. 2 SPEAKER ASSY

(a) Check that malfunction disappears when another speaker in a good condition is installed.
Standard: 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 PUB. NO. RM915E, PAGE 67–6)**

NG

4	INSPECT REAR 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: 5 Ω

NG → **REPLACE REAR SPEAKER ASSY (SEE PUB. NO. RM915E, PAGE 67–7)**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–46)