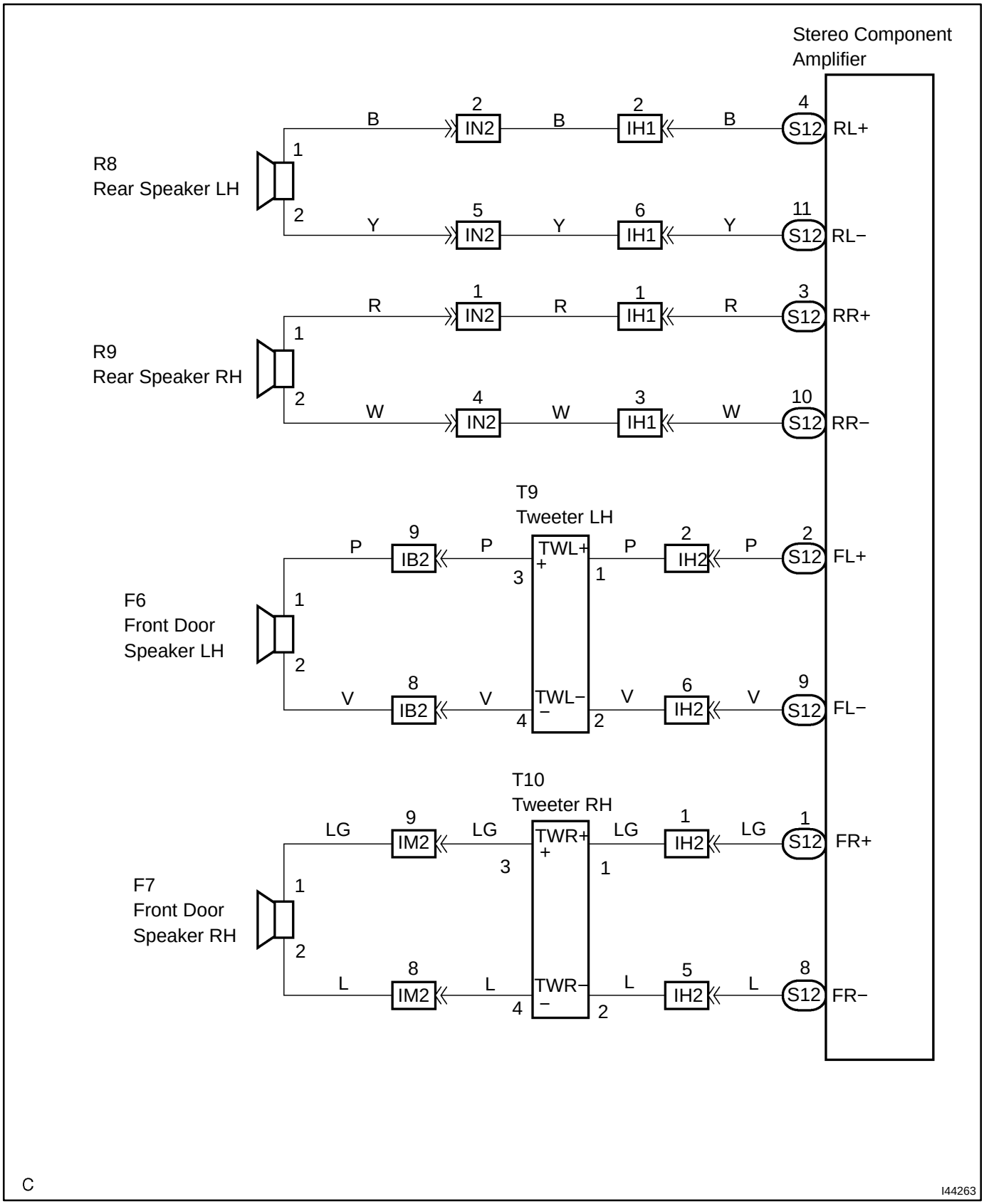
SPEAKER CIRCUIT

CIRCUIT DESCRIPTION

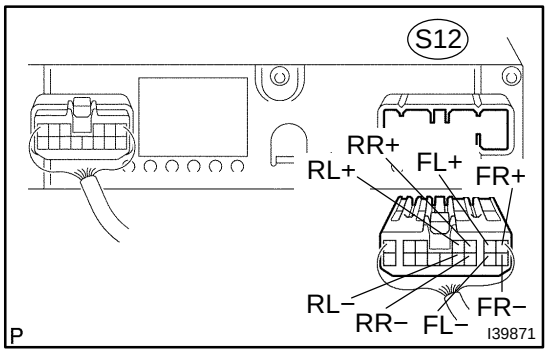
The sound signal that has been amplified by the stereo component amplifier assy is sent to the speaker from the stereo component amplifier assy through this circuit.
If there is a short in this circuit, the stereo component amplifier assy detects it and stops output to the speaker. Thus sound can not be heard from the speaker even if there is no malfunction in the stereo component amplifier assy or speaker.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(STEREO COMPONENT AMPLIFIER ASSY − SPEAKER ASSY)



(a) Disconnect the connectors from the stereo component amplifier assy S12 and speakers.

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

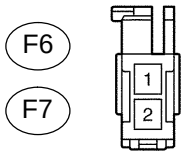
Standard:

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+ − 1 (Front No.2 speaker assy LH)	Below 1 Ω
FL− − 2 (Front No.2 speaker assy LH)	Below 1 Ω
FR+ − 1 (Front No.2 speaker assy RH)	Below 1 Ω
FR− − 2 (Front No.2 speaker assy RH)	Below 1 Ω
RL+ − 2*1, 1*2 (Rear speaker assy LH)	Below 1 Ω
RL− − 1*1, 2*2 (Rear speaker assy LH)	Below 1 Ω
RR+ − 2*1, 1*2 (Rear speaker assy RH)	Below 1 Ω
RR− − 1*1, 2*2 (Rear speaker assy RH)	Below 1 Ω
FL− − Body ground	10 kΩ or higher
FR+ − Body ground	10 kΩ or higher
FR− − Body ground	10 kΩ or higher
TWL+ − Body ground	10 kΩ or higher
TWL− − Body ground	10 kΩ or higher
TWR+ − Body ground	10 kΩ or higher
TWR− − Body ground	10 kΩ or higher
RL+ − Body ground	10 kΩ or higher
RL− − Body ground	10 kΩ or higher
RR+ − Body ground	10 kΩ or higher
RR− − Body ground	10 kΩ or higher

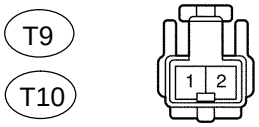
*1: TMC Made

*2: TMMK Made

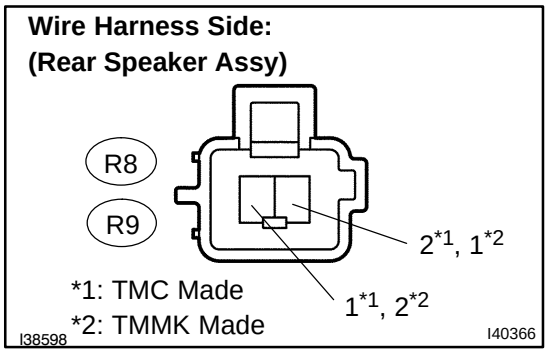
Wire Harness Side:
(Front No.1 Speaker Assy)



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



Wire Harness Side:
(Rear Speaker Assy)



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: 3 to 4 Ω

NG	REPLACE FRONT NO. 1 SPEAKER ASSY (SEE PAGE 67−8)

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 PAGE 67−9)

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: 1.75 to 2.75 Ω

NG	REPLACE REAR SPEAKER ASSY (SEE PAGE 67−10)

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05−1914)