

SPEAKER CIRCUIT

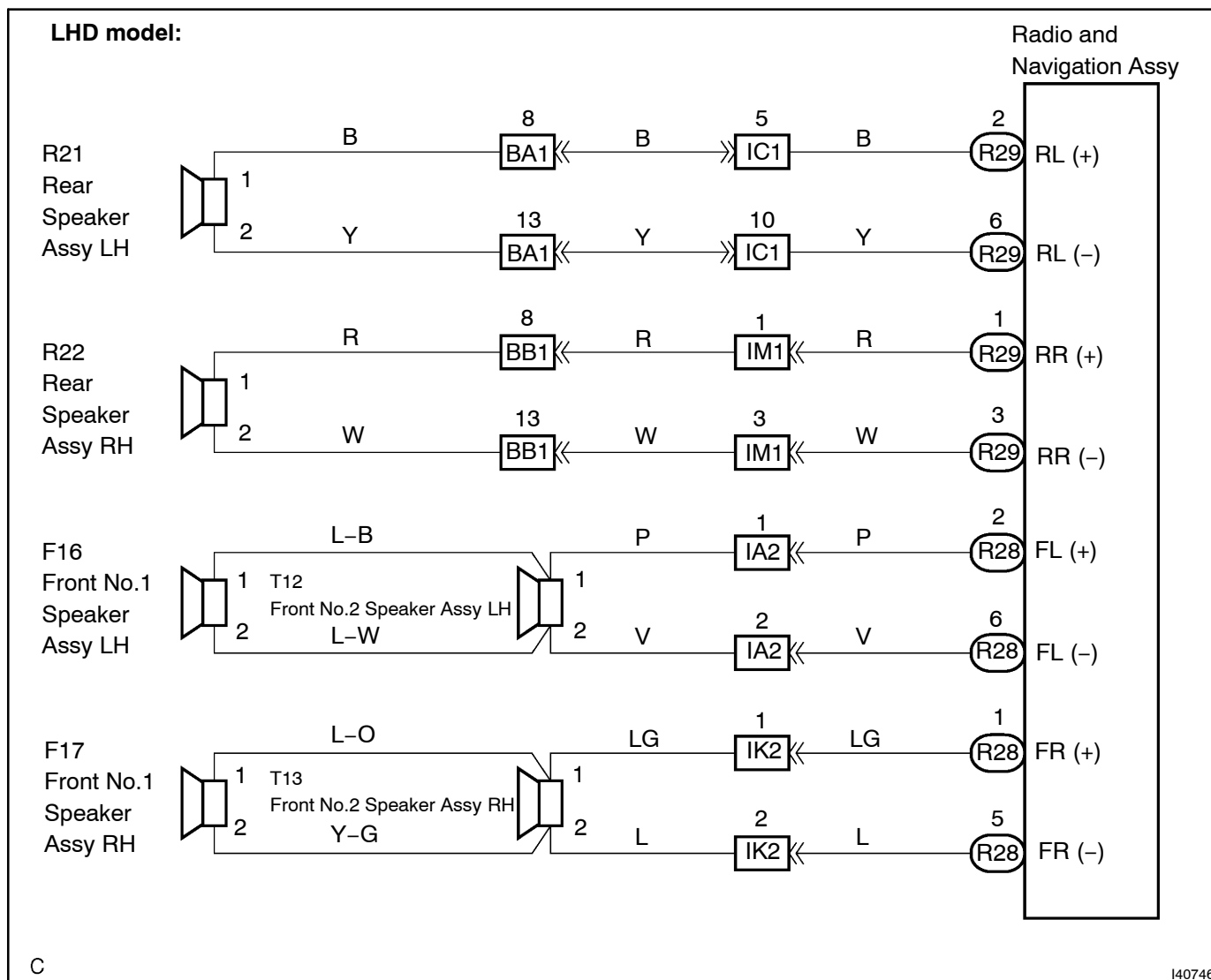
CIRCUIT DESCRIPTION

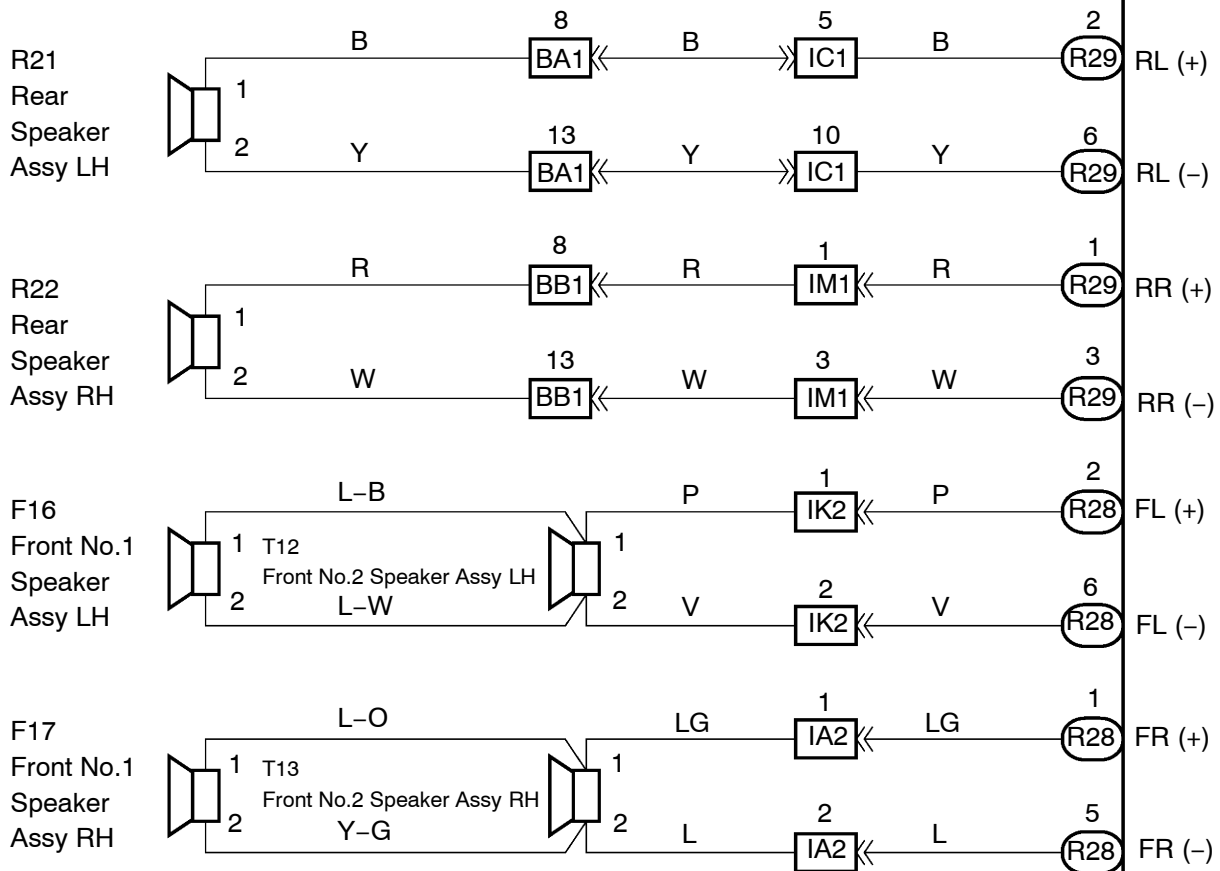
The sound signal that has been amplified by the amplifier (built in amp) is sent to the speaker from the amplifier (built in amp) through this circuit.

If there is a short in this circuit, the amplifier (built in amp) 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 amplifier (built in amp) or speaker.

WIRING DIAGRAM



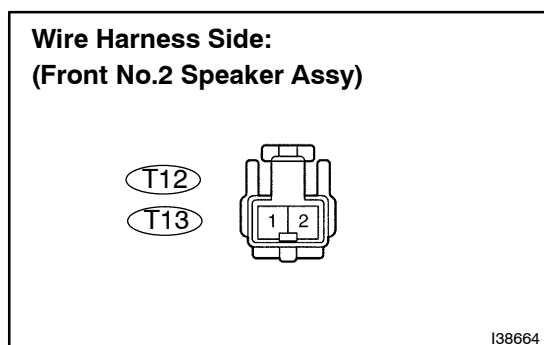
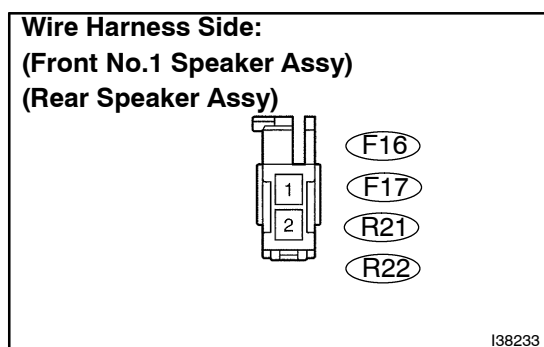
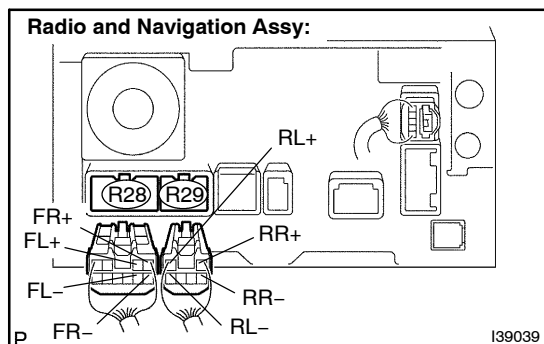
RHD model:**Radio and
Navigation Assy**

C

I40746

INSPECTION PROCEDURE

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



- (a) Disconnect the connectors from the radio and navigation assy R28, R29 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+ – Body ground	10 k Ω or higher
FL– – Body ground	10 k Ω or higher
FR+ – Body ground	10 k Ω or higher
FR– – Body ground	10 k Ω or higher
RL+ – Body ground	10 k Ω or higher
RL– – Body ground	10 k Ω or higher
RR+ – Body ground	10 k Ω or higher
RR– – Body ground	10 k Ω or higher

NG

REPAIR OR CONNECTOR	REPLACE HARNESS OR
------------------------	--------------------

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. RM864E, PAGE 67-4)**

OK

3 INSPECT FRONT NO. 2 SPEAKER ASSY

(a) Check that malfunction disappears when another speaker in 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 PUB. NO. RM864E, PAGE 67-5)**

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. RM864E, PAGE 67-6)**

OK

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05-1094)**