

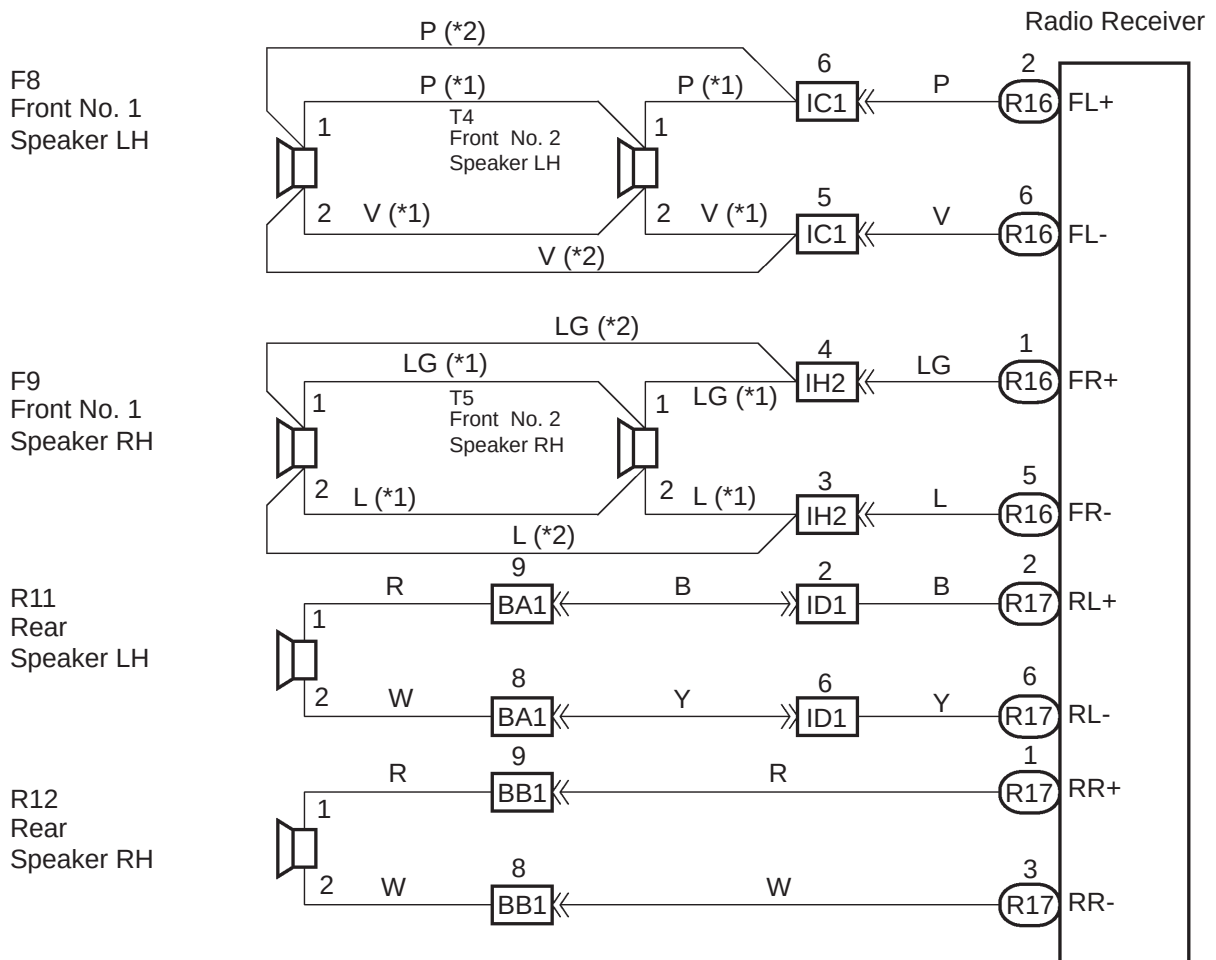
## Speaker Circuit

### DESCRIPTION

The sound signal that has been amplified by the stereo component amplifier or radio receiver (built-in amp) is sent to the speakers from the stereo component amplifier or radio receiver through this circuit. If there is a short in this circuit, the stereo component amplifier detects it and stops output to the speakers. Thus sound cannot be heard from the speakers even if there is no malfunction in the stereo component amplifier or speakers.

### WIRING DIAGRAM

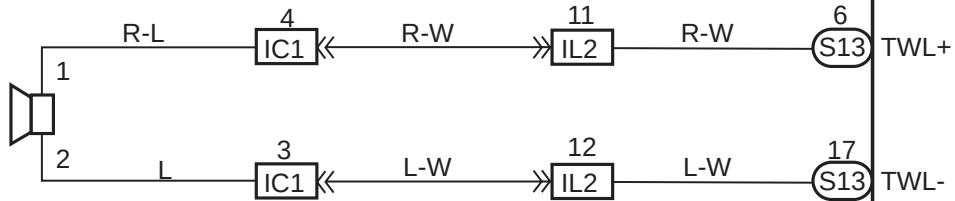
#### Built-in Type Amplifier:



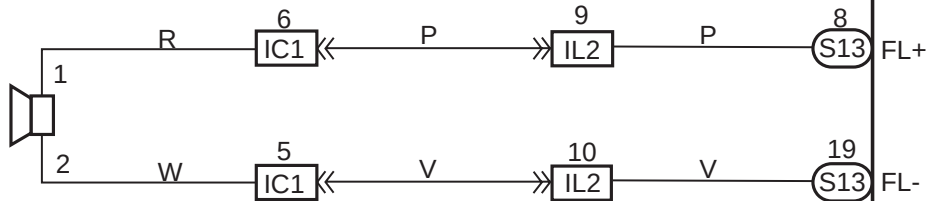
## Separate Type Amplifier:

## Stereo Component Amplifier

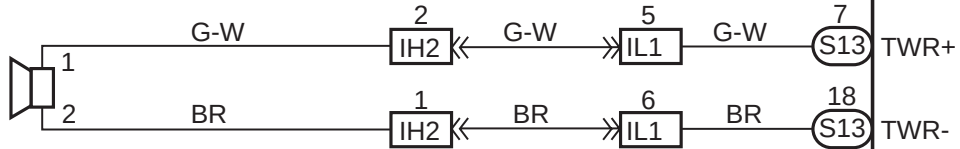
T4  
Front No. 2  
Speaker LH



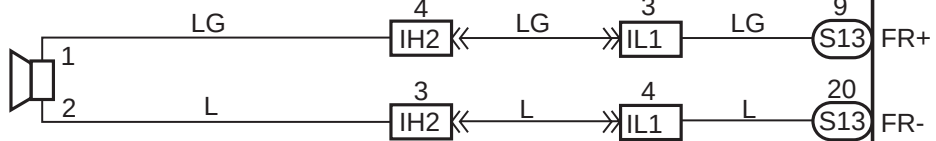
F8  
Front No. 1  
Speaker LH



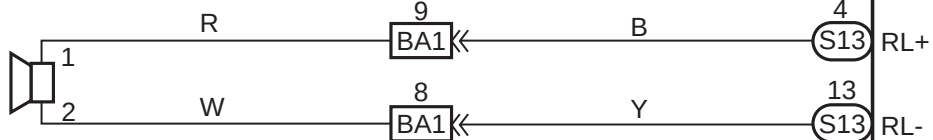
T5  
Front No. 2  
Speaker RH



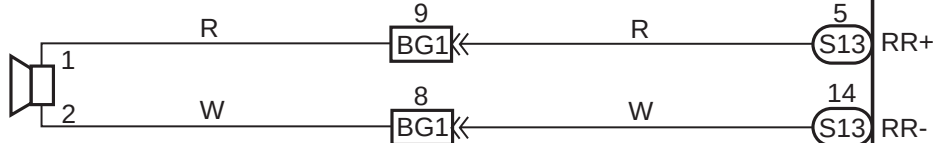
F9  
Front No. 1  
Speaker RH



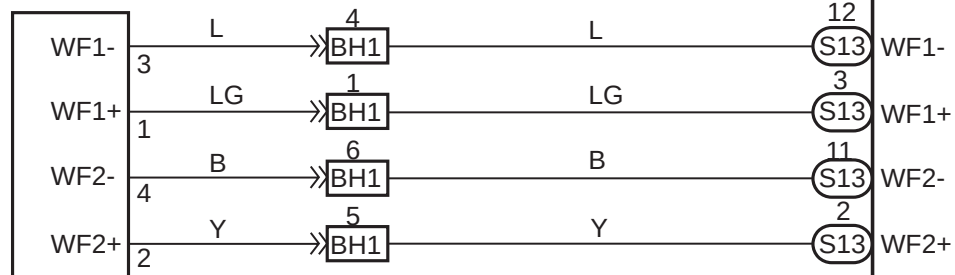
R11  
Rear Speaker  
LH



R12  
Rear Speaker  
RH

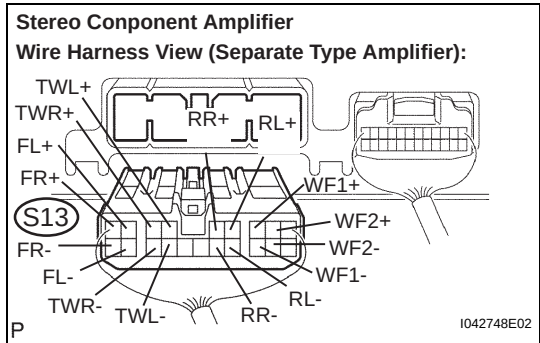


W1  
No. 1 Woofer  
Box Speaker

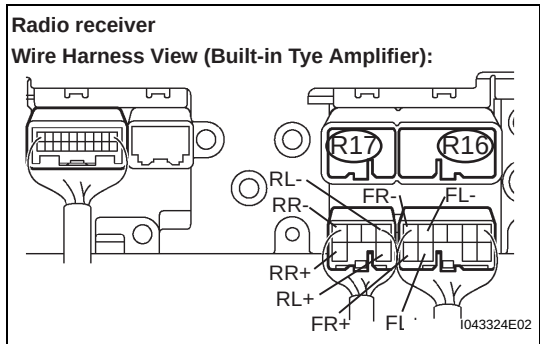


INSPECTION PROCEDURE

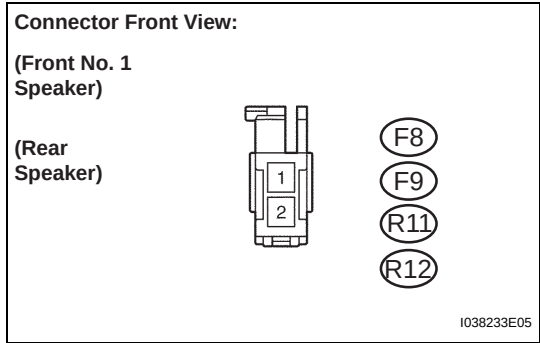
1 CHECK HARNESS AND CONNECTOR



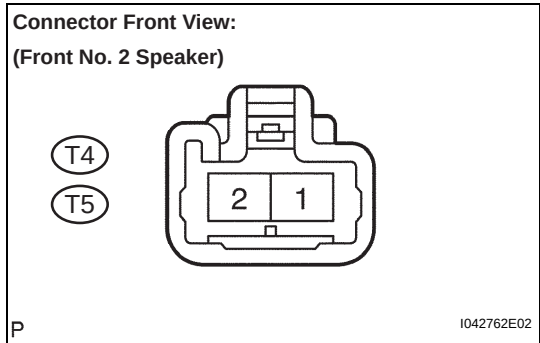
- (a) Separate type amplifier:  
Disconnect the connectors shown in the illustration on the left from the stereo component amplifier and speakers.



- (b) Built-in type amplifier:  
Disconnect the connectors shown in the illustration on the left from the radio receiver and speakers.



- (c) Separate type amplifier:  
Measure the resistance between each speaker and the stereo component amplifier to check for an open circuit in the wire harness.  
**Standard resistance:**  
**Below 1 Ω**

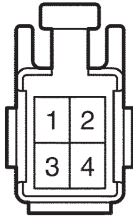


- (d) Built-in type amplifier:  
Measure the resistance between each speaker and the radio receiver to check for an open circuit in the wire harness.

Connector Front View:

(No. 1 Woofer Box Speaker)

W1



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- (e) Measure the resistance between each speaker and body ground to check for a short circuit in the wire harness.

**Standard resistance:****10 kΩ or higher**

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**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

**2****CHECK VEHICLE TYPE**

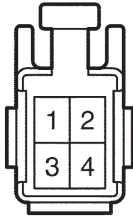
- (a) Choose type to be inspected.

| Type                         | Proceed to |
|------------------------------|------------|
| w/ No. 1 Woofer Box Speaker  | A          |
| w/o No. 1 Woofer Box Speaker | B          |

B

**Go to step 4**

A

**3****INSPECT NO. 1 WOOFER BOX SPEAKER**

P

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- (a) Resistance check.  
(b) Measure the resistance according to the value(s) in the table below.

**NOTICE:**

**The speaker should not be removed for checking.**  
**Standard resistance**

| Tester connection | Condition | Specified condition |
|-------------------|-----------|---------------------|
| 1 - 3             | Always    | 0.7 to 1.9 Ω        |
| 2 - 4             | Always    | 0.7 to 1.9 Ω        |

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**REPLACE NO. 1 WOOFER BOX SPEAKER**

OK

**4****INSPECT FRONT NO. 1 SPEAKER**

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

**Standard resistance:****Separate Type Amplifier:****2.3 to 2.9 Ω****Built-in Type Amplifier:****3.4 to 4.6 Ω**

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REPLACE FRONT NO. 1 SPEAKER

OK

5

INSPECT FRONT NO. 2 SPEAKER

- (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

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AV

6

INSPECT REAR SPEAKER

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

**Standard resistance:****Separate Type Amplifier:****1.6 to 2.0  $\Omega$** **Built-in Type Amplifier:****3.4 to 4.6  $\Omega$** 

NG

REPLACE REAR SPEAKER

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE