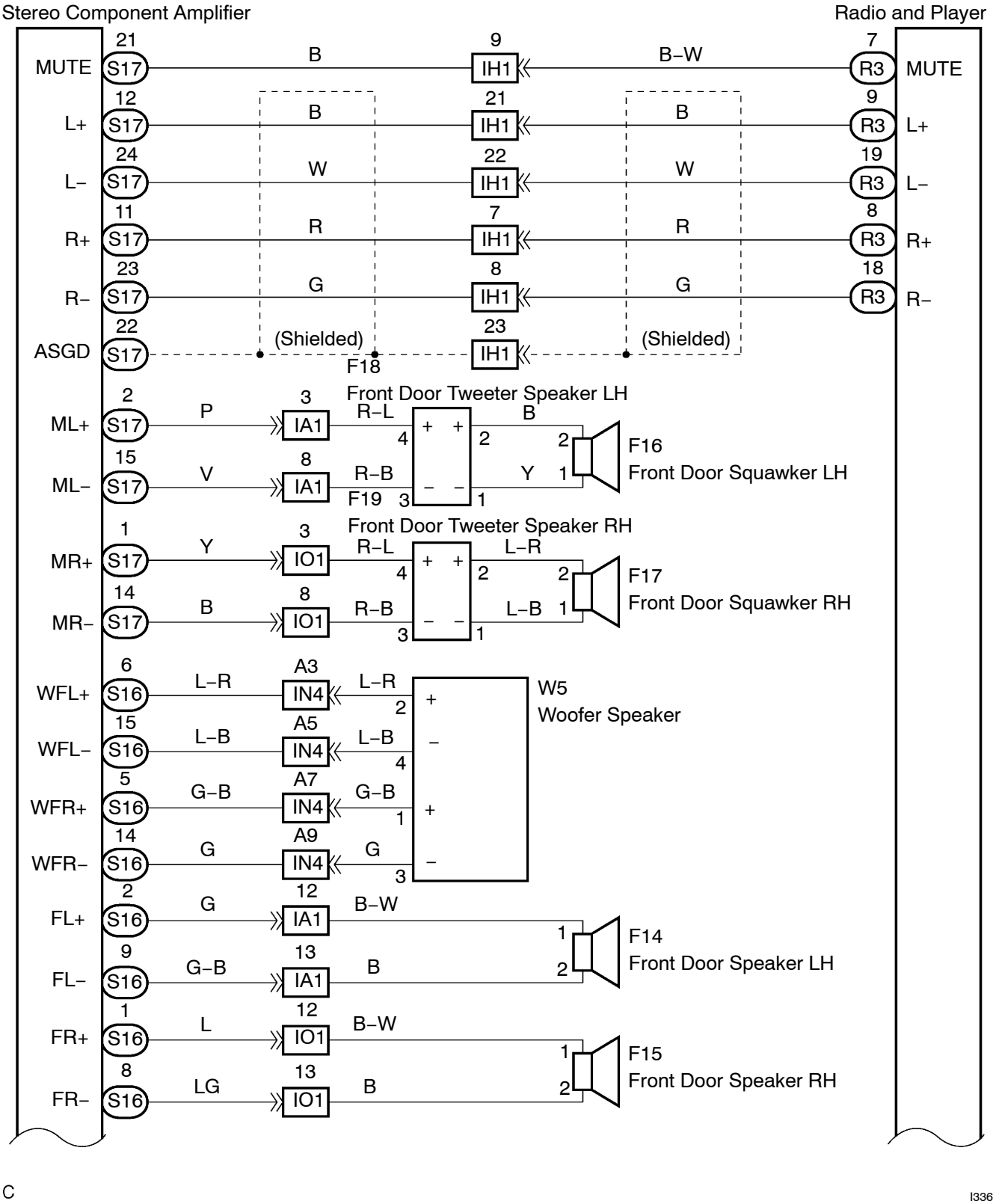
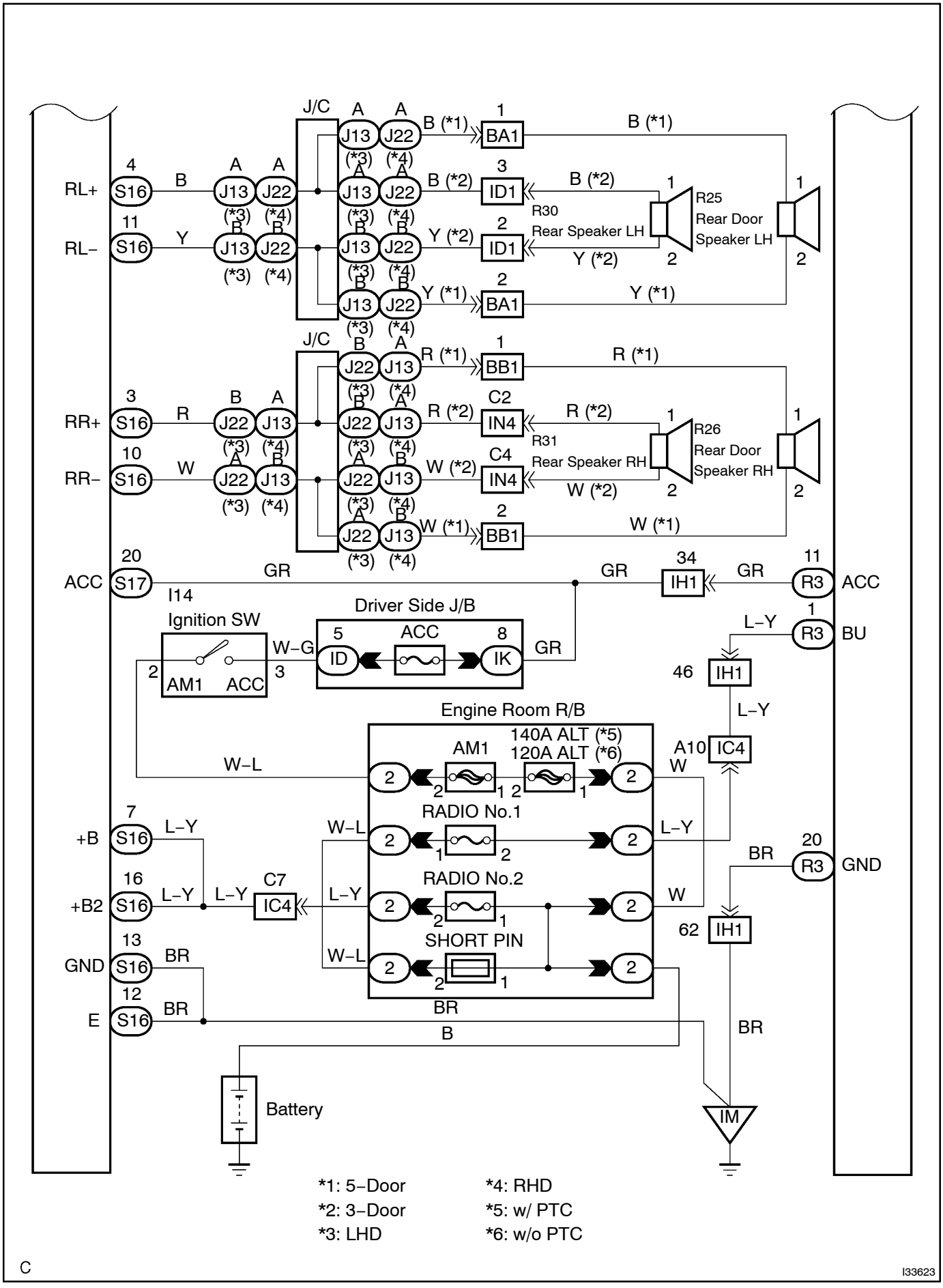
SOUND QUALITY IS BAD IN ALL MODES (VOLUME IS TOO LOW)

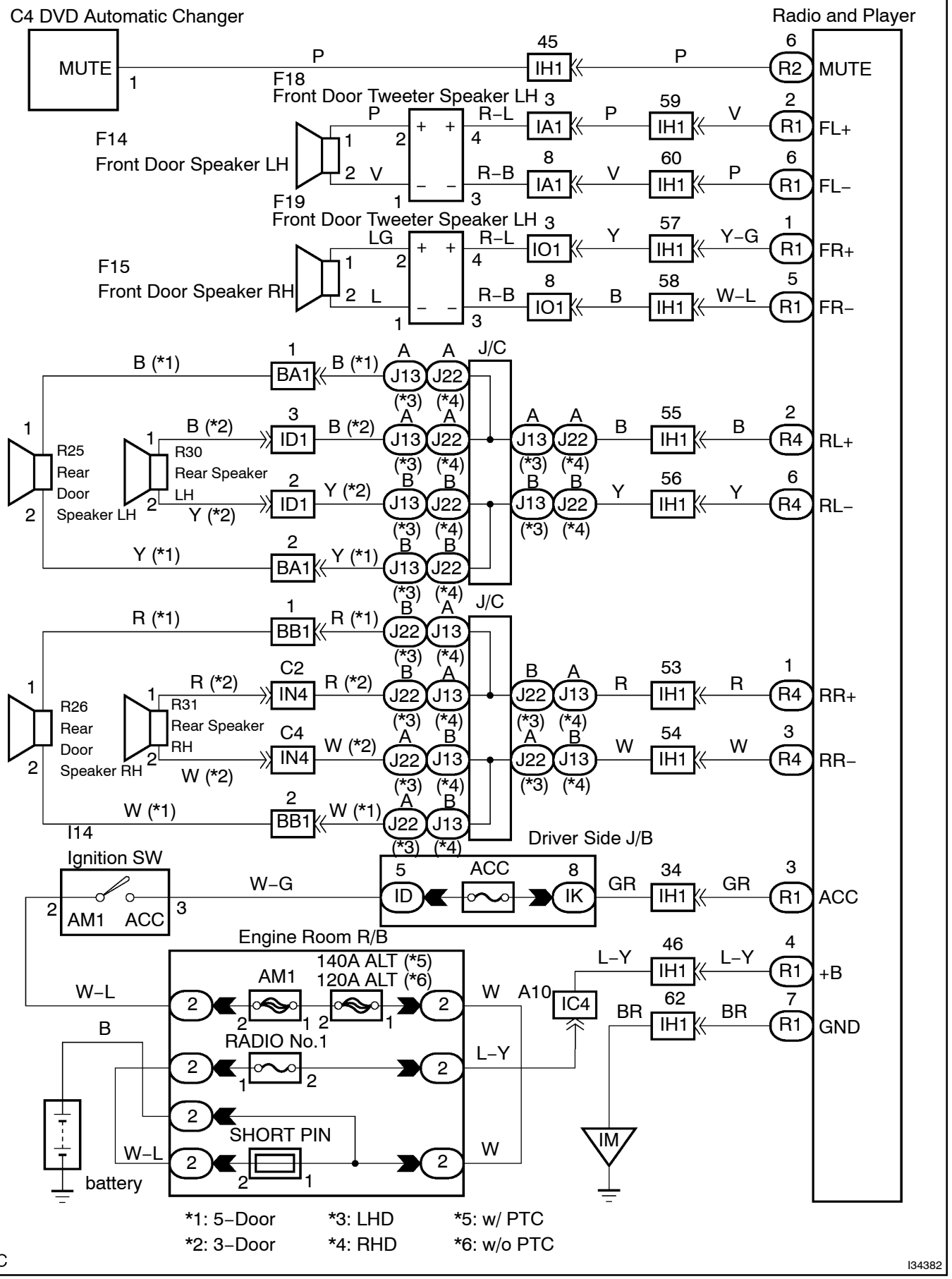
WIRING DIAGRAM

Separate Type:




J/C
RL+
RL–
RR+
RR–
ACC
+B
+B2
GND
E
S16
S17
J13
J22
BA1
BB1
ID1
IN4
R25
Rear Door Speaker LH
R26
Rear Door Speaker RH
R30
Rear Speaker LH
R31
Rear Speaker RH
IH1
IC4
R3
Ignition SW
AM1
ACC
Driver Side J/B
ID
IK
Engine Room R/B
140A ALT (*5)
120A ALT (*6)
RADIO No.1
RADIO No.2
SHORT PIN
Battery
IM
I14
*1: 5–Door
*2: 3–Door
*3: LHD
*4: RHD
*5: w/ PTC
*6: w/o PTC
I33623

Built–in Type:



INSPECTION PROCEDURE

1	ADJUST SOUND QUALITY

(a) Adjust the sound quality.
(1) Operate the radio receiver assy to adjust the sound quality.
Standard: malfunction disappear.

OK > **BAD SOUND QUALITY**

NG

2	COMPARE IT WITH ANOTHER CAR OF SAME MODEL

(a) Compare it with another vehicle of the same models.
(1) Compare with the vehicle of the same type which does not have a trouble to see if there is any difference in the condition of trouble occurrence.
Standard: No difference found.

OK > **SETTING**

NG

3	CHECK SYSTEM

(a) Check system.
(1) Check audio system.
Result:

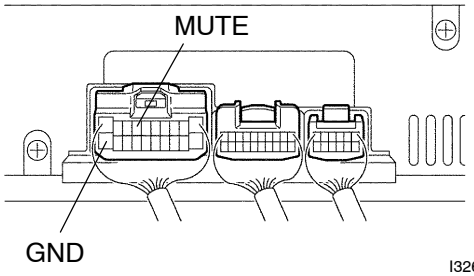
A	B
9 speaker systems	Except 9 speaker systems

B > **Go to step 15**

A

4	INSPECT RADIO RECEIVER ASSY(MUTE, GND)

Radio Receiver Assy:



(a) Check that the continuity between terminals at each condition, as shown in the chart.
Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Constant	Continuity

(b) Check that the voltage between terminals at each condition, as shown in the chart.
Standard:

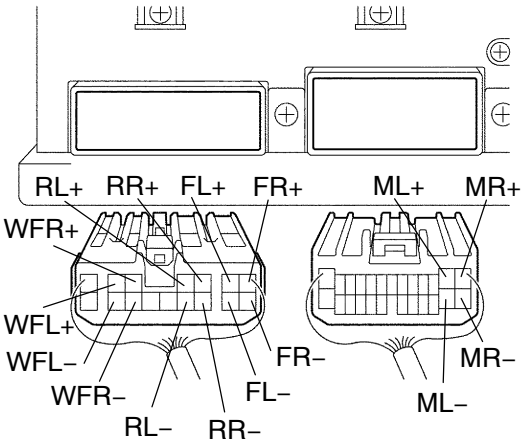
Tester connection	Condition	Specified condition
MUTE – GND	Audio system is sounding	Above 3.5 V

NG > **CHECK AND REPLACE RADIO RECEIVER ASSY**

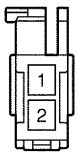
OK

5 CHECK HARNESS AND CONNECTOR(STEREO COMPONENT AMPLIFIER ASSY – SPEAKER ASSY)

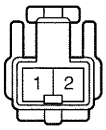
Stereo Component Amplifier Assy:



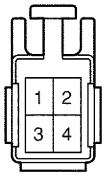
Front No.1 Speaker Assy:
Front No.2 Speaker Assy:
Rear Speaker Assy:



Stereo Component Speaker Assy:



w/ Box Speaker Assy:



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

(1) Check continuity of harness.

Standard:

Tester connection	Specified condition
FL+ – 1 (Front No.1 speaker assy)	Continuity
FL– – 2 (Front No.1 speaker assy)	Continuity
FR+ – 1 (Front No.1 speaker assy)	Continuity
FR– – 2 (Front No.1 speaker assy)	Continuity
FL+ – 1 (Front No.2 speaker assy)	Continuity
FL– – 2 (Front No.2 speaker assy)	Continuity
FR+ – 1 (Front No.2 speaker assy)	Continuity
FR– – 2 (Front No.2 speaker assy)	Continuity
ML+ – 1 (Stereo component speaker assy)	Continuity
ML– – 2 (Stereo component speaker assy)	Continuity
MR+ – 1 (Stereo component speaker assy)	Continuity
MR– – 2 (Stereo component speaker assy)	Continuity
RL+ – 1 (Rear speaker assy)	Continuity
RL– – 2 (Rear speaker assy)	Continuity
RR+ – 1 (Rear speaker assy)	Continuity
RR– – 2 (Rear speaker assy)	Continuity
WFL+ – 1 (w/ box speaker assy)	Continuity
WFL– – 2 (w/ box speaker assy)	Continuity
WFR+ – 1 (w/ box speaker assy)	Continuity
WFR– – 2 (w/ box speaker assy)	Continuity

(2) Check short in harness.

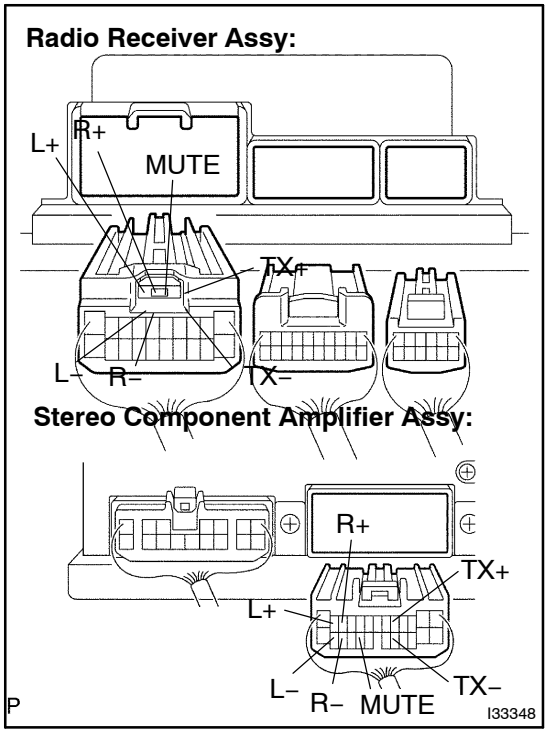
Standard:

Tester connection	Specified condition
FL+ – Body ground	No continuity
FL– – Body ground	No continuity
FR+ – Body ground	No continuity
FR– – Body ground	No continuity
ML+ – Body ground	No continuity
ML– – Body ground	No continuity
MR+ – Body ground	No continuity
MR– – Body ground	No continuity
RL+ – Body ground	No continuity
RL– – Body ground	No continuity
RR+ – Body ground	No continuity
RR– – Body ground	No continuity
WFL+ – Body ground	No continuity
WFL– – Body ground	No continuity
WFR+ – Body ground	No continuity
WFR– – Body ground	No continuity

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

6 CHECK HARNESS AND CONNECTOR(RADIO RECEIVER ASSY – STEREO COMPONENT AMPLIFIER ASSY)



(a) Disconnect the radio receiver assy and stereo component amplifier assy.

(1) Check continuity of harness.

Standard:

Tester connection	Specified condition
L+ – L+	Continuity
L– – L–	Continuity
R+ – R+	Continuity
R– – R–	Continuity
TX+ – TX+	Continuity
TX– – TX–	Continuity
MUTE – MUTE	Continuity

(2) Check short in harness.

Standard:

Tester connection	Specified condition
L+ – Body ground	No continuity
L– – Body ground	No continuity
R+ – Body ground	No continuity
R– – Body ground	No continuity
TX+ – Body ground	No continuity
TX– – Body ground	No continuity
MUTE – Body ground	No continuity

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

7 INSPECT FRONT NO.1 SPEAKER ASSY

(a) Resistance check.

(1) Check the resistance between the terminals of the speaker.

NOTICE:

The speaker should not be removed for checking.

Standard value: 4 Ω

NG → REPLACE FRONT NO.1 SPEAKER ASSY

OK

8	INSPECT FRONT NO.2 SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.
Standard value: 4 Ω

NG → **REPLACE FRONT NO.2 SPEAKER ASSY**

OK

9	INSPECT STEREO COMPONENT SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.
Standard value: 4 Ω

NG → **REPLACE STEREO COMPONENT SPEAKER ASSY**

OK

10	INSPECT REAR SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.
Standard value: 4 Ω

NG → **REPLACE REAR SPEAKER ASSY**

OK

11	INSPECT W/BOX SPEAKER ASSY NO.1

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

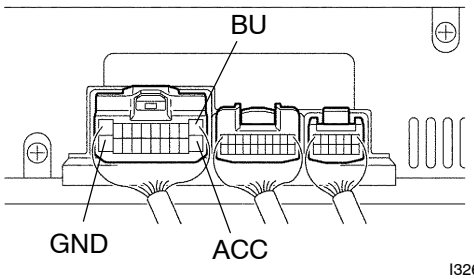
NOTICE:
The speaker should not be removed for checking.
Standard value: 4 Ω

NG → **REPLACE W/BOX SPEAKER ASSY NO.1**

OK

12 INSPECT RADIO RECEIVER ASSY(BU, ACC, GND)

Radio Receiver Assy:



(a) Check that the continuity between terminals at each condition, as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Constant	Continuity

(b) Check that the voltage between terminals at each condition, as shown in the chart.

Standard:

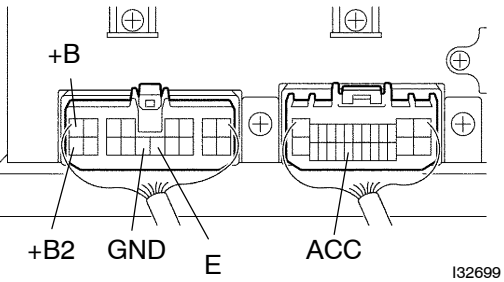
Tester connection	Condition	Specified condition
BU – GND	Constant	10 – 14 V
ACC – GND	Ignition switch ACC or ON	10 – 14 V

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

OK

13 INSPECT STEREO COMPONENT AMPLIFIER ASSY(+B, +B2, ACC, GND, E)

Stereo Component Amplifier Assy:



(a) Check that the continuity between terminals at each condition, as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Constant	Continuity
E – Body ground	Constant	Continuity

(b) Check that the voltage between terminals at each condition, as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
+B – GND	Constant	10 – 14 V
+B2 – GND	Constant	10 – 14 V
ACC – GND	Ignition switch ACC or ON	10 – 14 V

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

OK

14 CHECK AND REPLACE STEREO COMPONENT AMPLIFIER ASSY

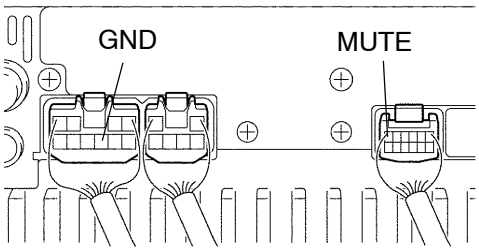
OK → **REPLACE STEREO COMPONENT AMPLIFIER ASSY**

NG

CHECK AND REPLACE RADIO RECEIVER ASSY

15 INSPECT RADIO RECEIVER ASSY(MUTE, GND)

Radio Receiver Assy:



(a) Check that the continuity between terminals at each condition, as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Constant	Continuity

(b) Check that the voltage between terminals at each condition, as shown in the chart.

Standard:

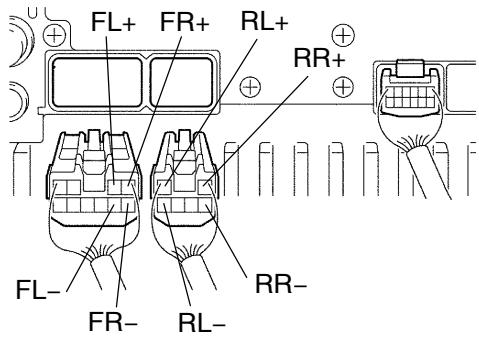
Tester connection	Condition	Specified condition
MUTE – GND	Audio system is sounding	Above 3.5 V

NG → **CHECK AND REPLACE RADIO RECEIVER ASSY**

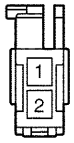
OK

16 CHECK HARNESS AND CONNECTOR(RADIO RECEIVER ASSY – SPEAKER ASSY)

Radio Receiver Assy:



Front No.1 Speaker Assy:
Front No.2 Speaker Assy:
Rear Speaker Assy:



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I33350

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

(1) Check continuity of harness.

Standard:

Tester connection	Specified condition
FL+ – 1 (Front No.1 speaker assy)	Continuity
FL– – 2 (Front No.1 speaker assy)	Continuity
FR+ – 1 (Front No.1 speaker assy)	Continuity
FR– – 2 (Front No.1 speaker assy)	Continuity
FL+ – 1 (Front No.2 speaker assy)	Continuity
FL– – 2 (Front No.2 speaker assy)	Continuity
FR+ – 1 (Front No.2 speaker assy)	Continuity
FR– – 2 (Front No.2 speaker assy)	Continuity
RL+ – 1 (Rear speaker assy)	Continuity
RL– – 2 (Rear speaker assy)	Continuity
RR+ – 1 (Rear speaker assy)	Continuity
RR– – 2 (Rear speaker assy)	Continuity

(2) Check short in harness.

Standard:

Tester connection	Specified condition
FL+ – Body ground	No continuity
FL– – Body ground	No continuity
FR+ – Body ground	No continuity
FR– – Body ground	No continuity
RL+ – Body ground	No continuity
RL– – Body ground	No continuity
RR+ – Body ground	No continuity
RR– – Body ground	No continuity

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

17	INSPECT FRONT NO.1 SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.

Standard value: 4 Ω

NG → REPLACE FRONT NO.1 SPEAKER ASSY

OK

18	INSPECT FRONT NO.2 SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.

Standard value: 4 Ω

NG → REPLACE FRONT NO.2 SPEAKER ASSY

OK

19	INSPECT REAR SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.

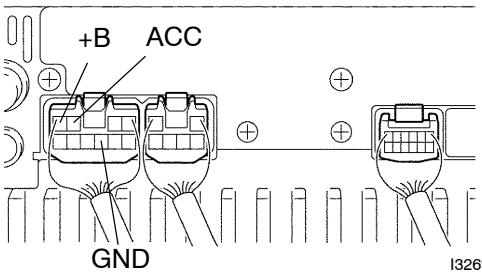
Standard value: 4 Ω

NG → REPLACE REAR SPEAKER ASSY

OK

20	INSPECT RADIO RECEIVER ASSY(+B, ACC, GND)

Radio Receiver Assy:



(a) Check that the continuity between terminals at each condition, as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Constant	Continuity

(b) Check that the voltage between terminals at each condition, as shown in the chart.

Standard:

Tester connection	Condition	Specified condition
+B – GND	Constant	10 – 14 V
ACC – GND	Ignition switch ACC or ON	10 – 14 V

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

OK

CHECK AND REPLACE RADIO RECEIVER ASSY