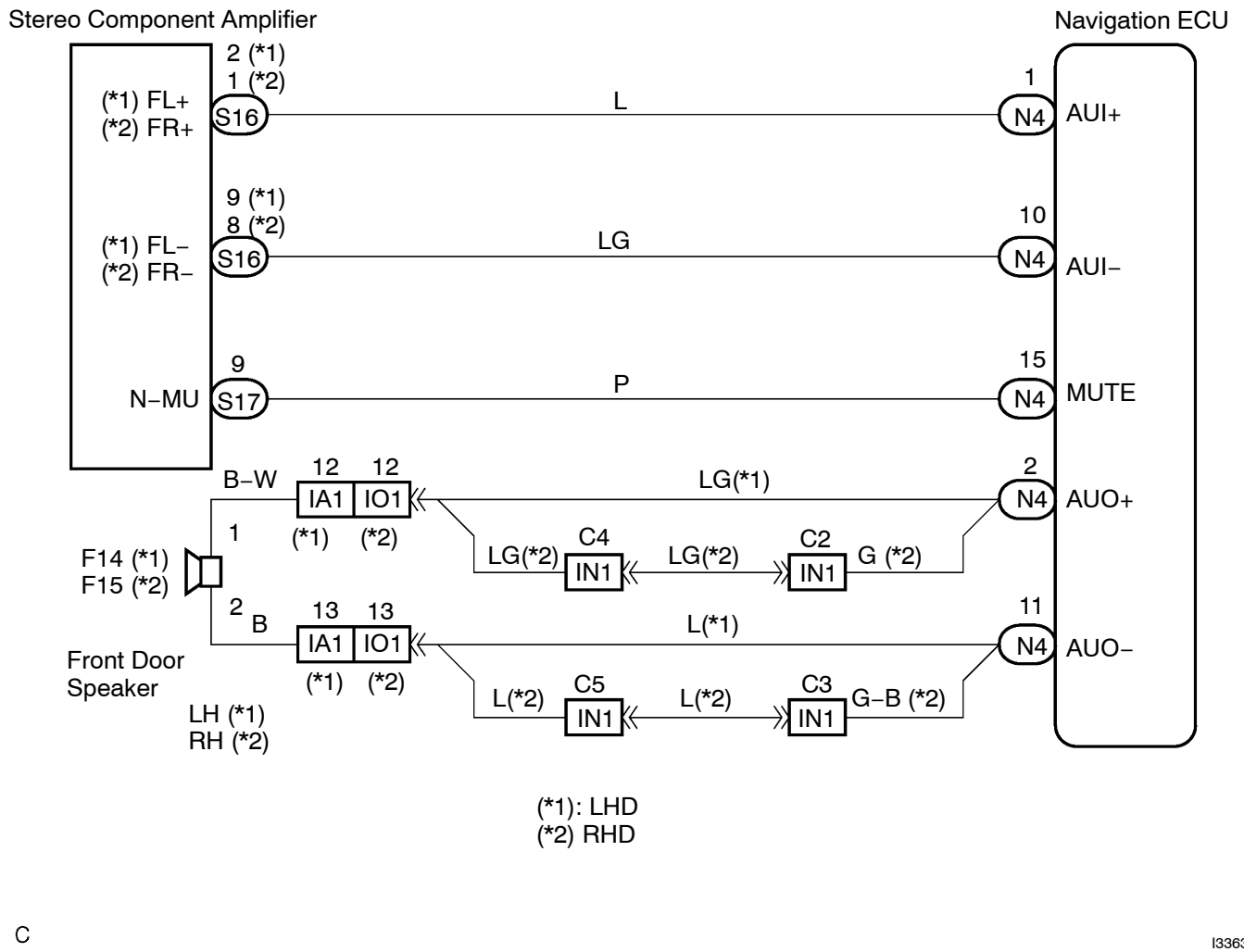
FRONT SPEAKER (DRIVER SIDE) ONLY IS NOT HEARD (w/ NAVIGATION MODELS)

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK SETTING(THE VOLUME OF THE NAVIGATION VOICE SOUND)

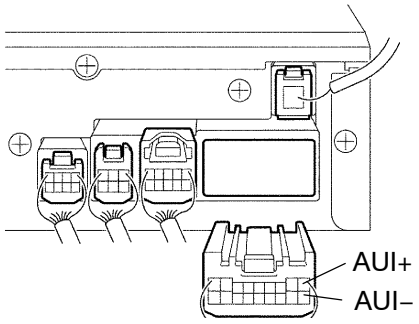
(a) Check the settings.
(1) Set the volume MAX at the voice sound settings on the menu.
STANDARD: ”This system will guide you in this volume” is produced.

NG → **CHECK AND REPLACE STEREO COMPONENT AMPLIFIER ASSY**

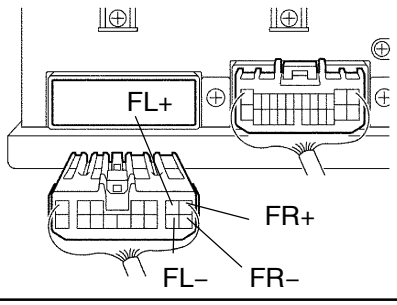
OK

2	CHECK HARNESS AND CONNECTOR(NAVIGATION ECU – STEREO COMPONENT AMPLIFIER ASSY)

Navigation ECU:



Stereo Component Amplifier Assy:



(a) Disconnect the navigation ECU and stereo component amplifier assy.
(b) Check continuity.
(1) Check that the continuity between navigation ECU and stereo component amplifier assy.
Standard:

Tester connection	Specified condition
AUI+ – FL+ *1, FR+ *2	Continuity
AUI– – FL– *1, FR– *2	Continuity
AUI+ – Body ground	No Continuity
AUI– – Body ground	No Continuity

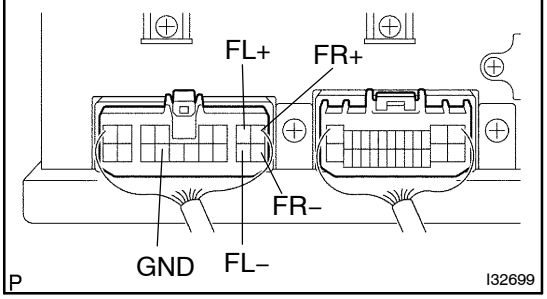
*1: LHD
*2: RHD

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

OK

3	INSPECT STEREO COMPONENT AMPLIFIER ASSY(FL+, FL–, FR+, FR–, GND)

Stereo Component Amplifier Assy:



(a) Remove the stereo component amplifier assy with connectors being connected.

(b) Using an oscilloscope, check signal waveform between terminals FL+ (–), FR+ (–) and GND of stereo component amplifier assy.

Standard:

Tester connection	Condition	Specified condition
FL+ – GND	While voice sound is being produced	A waveform synchronized with sound is output
FR+ – GND	While voice sound is being produced	A waveform synchronized with sound is output

NG → **CHECK AND REPLACE STEREO COMPONENT AMPLIFIER ASSY**

OK

4	INSPECT FRONT NO.1 SPEAKER ASSY

(a) Resistance check

(1) Check that resistance between terminals of front speaker.

NOTICE:

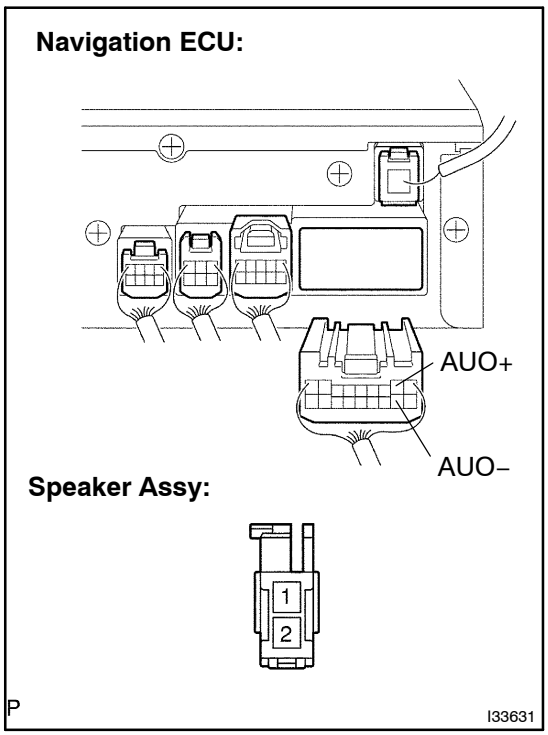
The speaker should not be removed for checking

Standard value: 4 Ω

NG → **REPLACE FRONT NO.1 SPEAKER ASSY**

OK

5	CHECK HARNESS AND CONNECTOR(NAVIGATION ECU – SPEAKER ASSY)



(a) Disconnect the navigation ECU and speaker.
(b) Check continuity.
(1) Check that the continuity between navigation ECU and speaker assy.

Standard:

Tester connection	Specified condition
AUO+ – –1	Continuity
AUO– – –2	Continuity
AUO+ – Body ground	No Continuity
AUO– – Body ground	No Continuity

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

OK

CHECK AND REPLACE NAVIGATION ECU