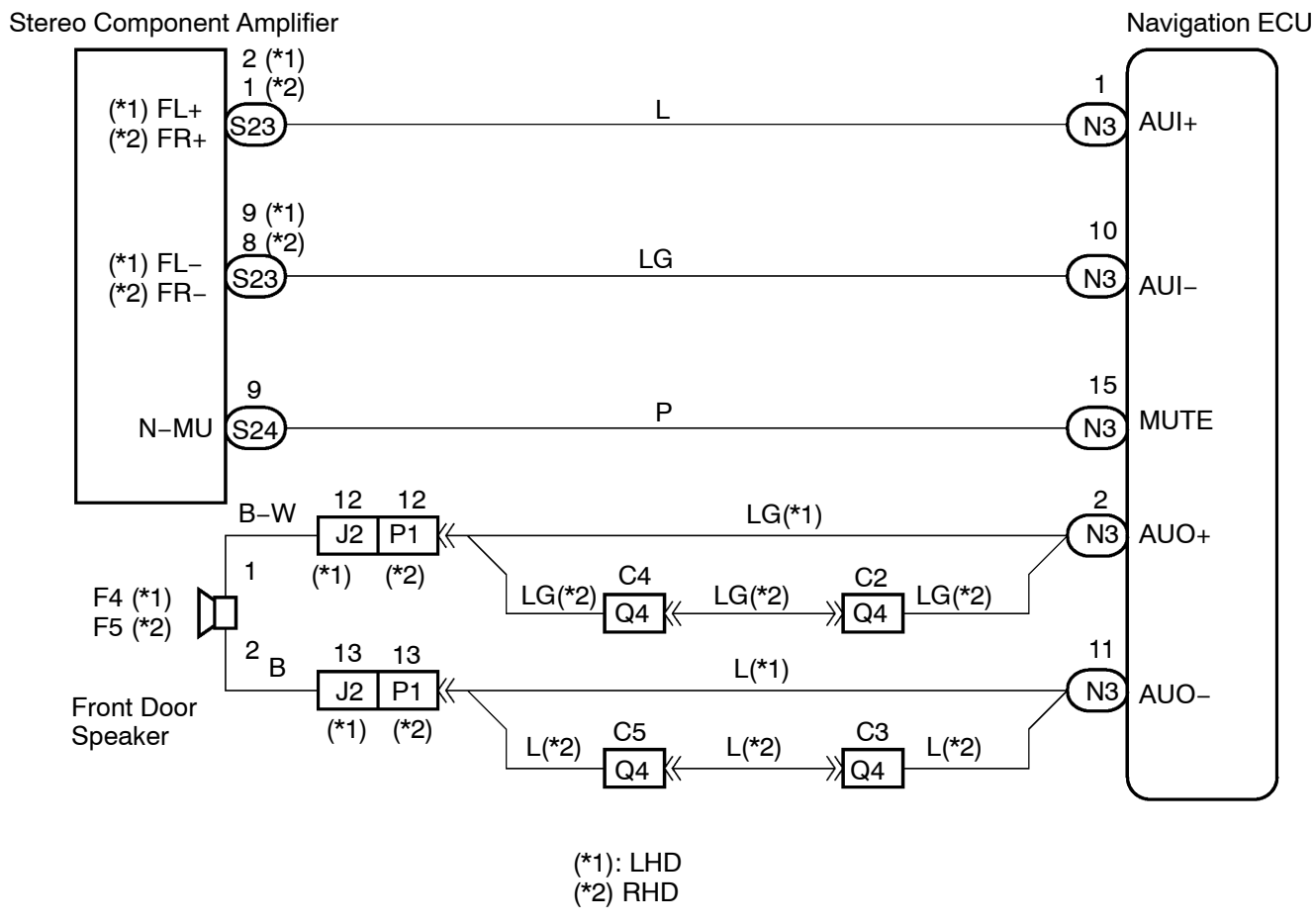
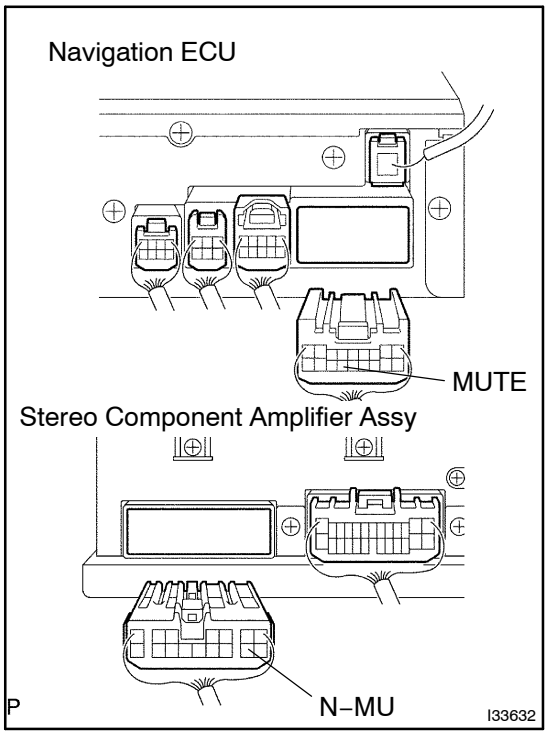
NO VOICE NAVIGATION

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK HARNESS OR CONNECTOR(STEREO COMPONENT AMPLIFIER ASSY – NAVIGATION ECU)



(a) Disconnect the stereo component amplifier assy and navigation ECU

(1) Check continuity harness

Standard:

Tester connection	Specified condition
N–MU – MUTE	Continuity

(2) Check short harness

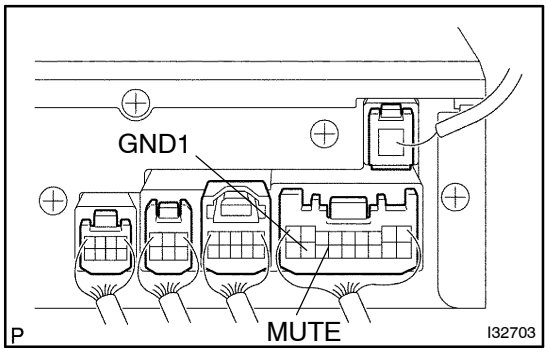
Standard:

Tester connection	Specified condition
N–MU – Body ground	No Continuity

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

OK

2	INSPECT NAVIGATION ECU(MUTE, GND)



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

Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Always	Continuity

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

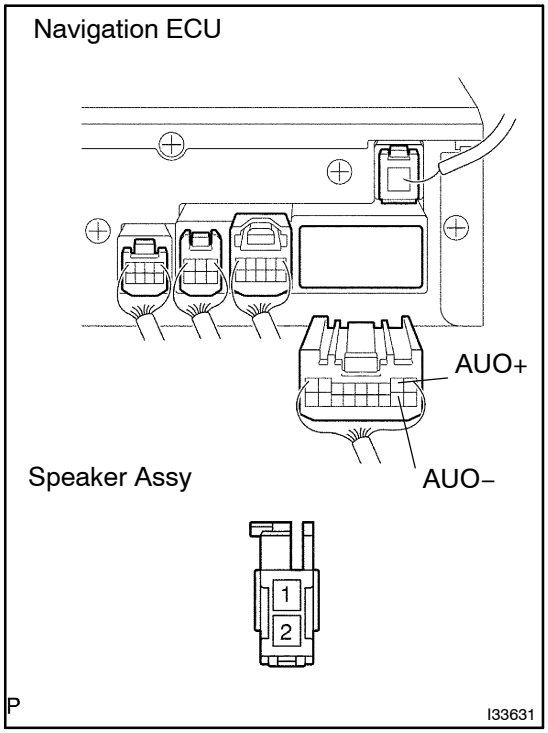
Standard:

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

NG → **CHECK AND REPLACE NAVIGATION ECU**

OK

3	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: 2 – 8Ω

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

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

OK

4	INSPECT FRONT NO.1 SPEAKER ASSY

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

NOTICE:
The speaker should not be removed for checking.

Standard value: 4 Ω

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

OK

CHECK AND REPLACE NAVIGATION ECU