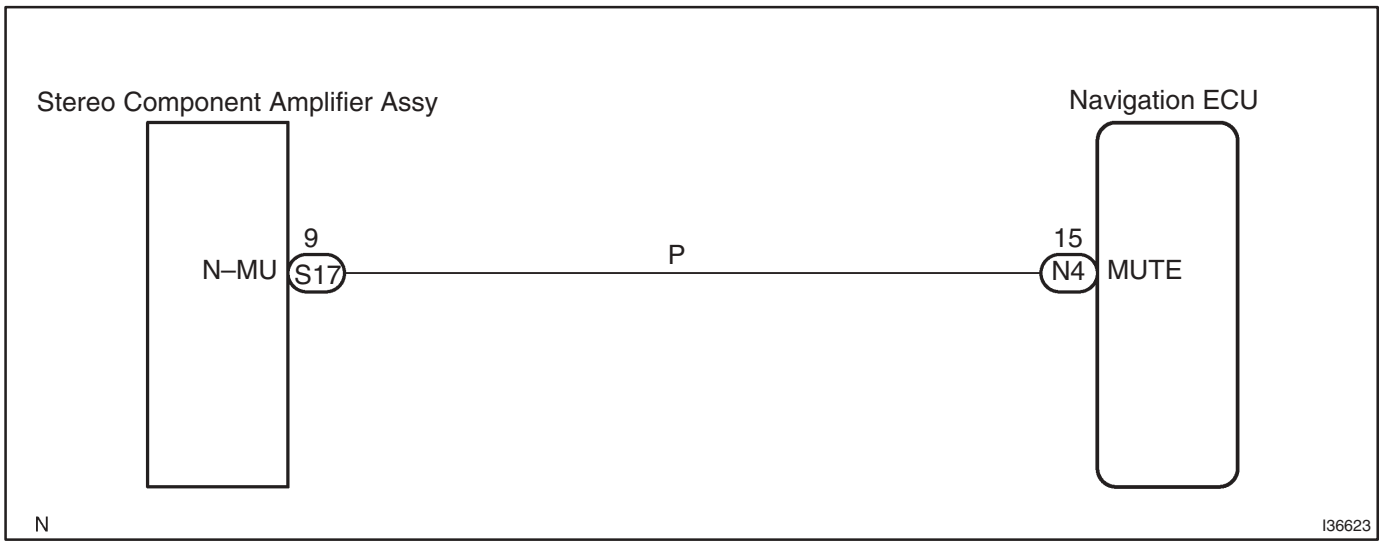
MUTE SIGNAL CIRCUIT (NAVIGATION ECU – STEREO COMPONENT AMPLIFIER ASSY)

CIRCUIT DESCRIPTION

This circuit sends a signal to the stereo component amplifier to mute the audio sound.
If there is a short in the circuit, even though the stereo component amplifier assy is normal, no sound or only an extremely small sound can be produced.
If there is an open in the circuit, noise can be heard from the speaker when changing the sound source.

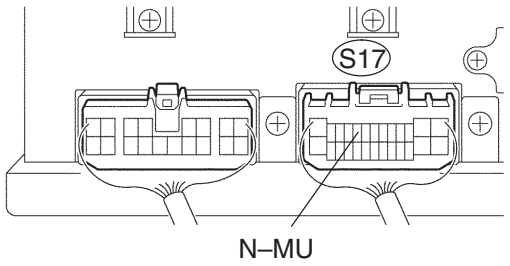
WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT STEREO COMPONENT AMPLIFIER ASSY

Wire Harness View:



(a) Measure the voltage according to the value in the table below.

Standard:

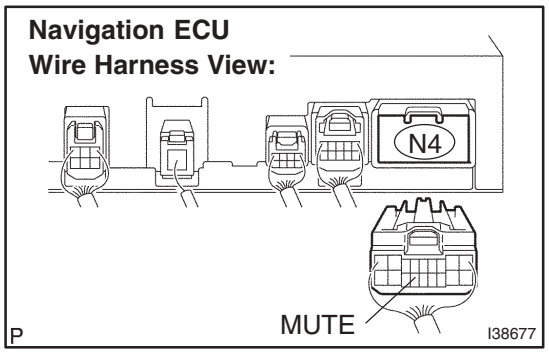
Tester connection	Condition	Specification
N–MU – Body ground	Turn ignition switch to ACC, Audio system is playing → Sound signals are being output from navigation ECU	Above 3.5 V → Below 1 V

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05–1309)

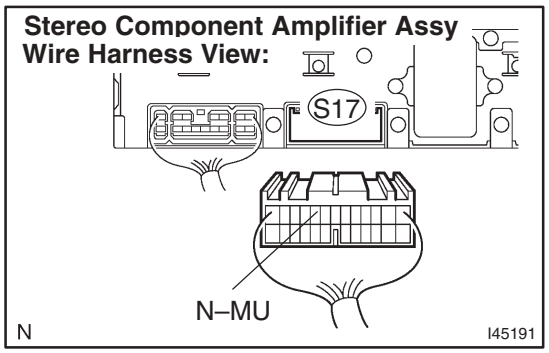
2 CHECK HARNESS AND CONNECTOR(NAVIGATION ECU – STEREO COMPONENT AMPLIFIER ASSY)



(a) Disconnect the navigation ECU connector N4 and stereo component amplifier assy connector S17.
(b) Measure the resistance according to the values in the table below.

Standard:

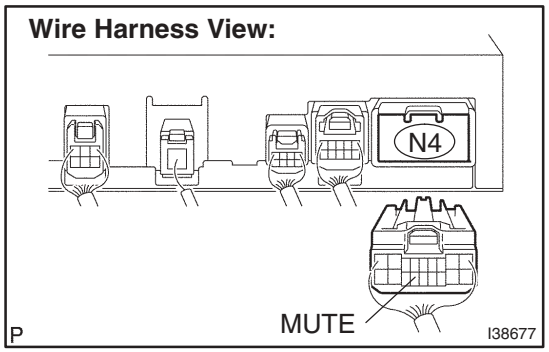
Tester connection	Condition	Specified condition
MUTE – N–MU	Always	Below 1 Ω
MUTE – Body ground	Always	10 kΩ or higher



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

OK

3 INSPECT NAVIGATION ECU



(a) Reconnect the stereo component amplifier assy.
(b) Disconnect the navigation ECU connector.
(c) Measure the voltage according to the value in the table below.

Standard:

Tester connection	Condition	Specification
MUTE – Body ground	Turn ignition switch to ACC	Above 3.5 V

NG → **REPLACE STEREO COMPONENT AMPLIFIER ASSY (SEE PUB. NO. RM990E, PAGE 67–9)**

OK

REPLACE NAVIGATION ECU (SEE PUB. NO. RM990E, PAGE 67–22)