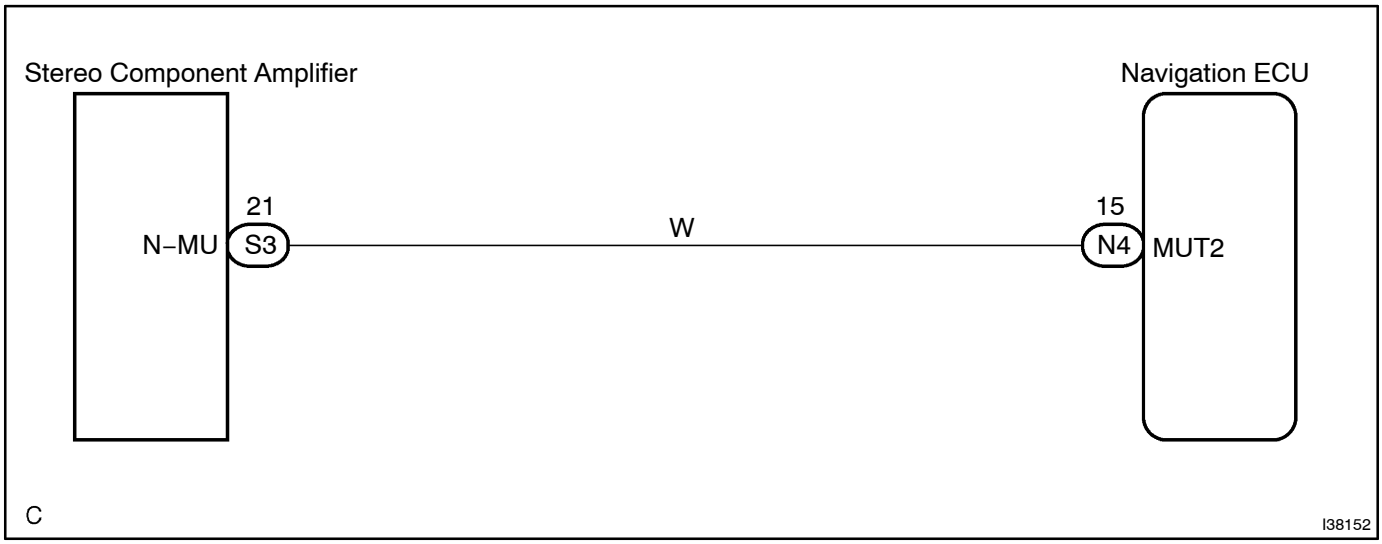
MUTE SIGNAL CIRCUIT (STEREO COMPONENT AMPLIFIER ASSY – NAVIGATION ECU)

CIRCUIT DESCRIPTION

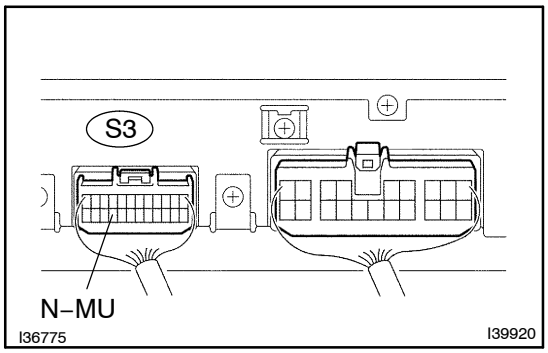
This circuit sends the signal to the stereo component amplifier to mute the noise. Because of that, the noise produced by changing the sound source ceases.
In addition, this circuit is used to mute the sound when the navigation system performs voice guide.
If there is an open in the circuit, noise can be heard from the speaker when changing the sound source.
When the vehicle is equipped with the navigation system, audio sound keeps coming out from the speaker on the driver's side while the voice navigation is in operation.
If there is a short in the circuit, even though the stereo component amplifier assy is normal, no sound or only extremely small sound can be produced.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT STEREO COMPONENT AMPLIFIER ASSY



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

Standard:

Tester connection	Condition	Specified condition
N–MU – Body ground	Turn power switch to ON (ACC), Audio system is playing → Changing	Above 3.5 V → Below 1 V

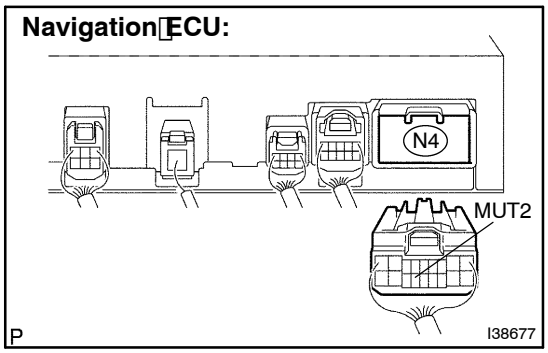
NG → Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1570)

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

Navigation ECU:



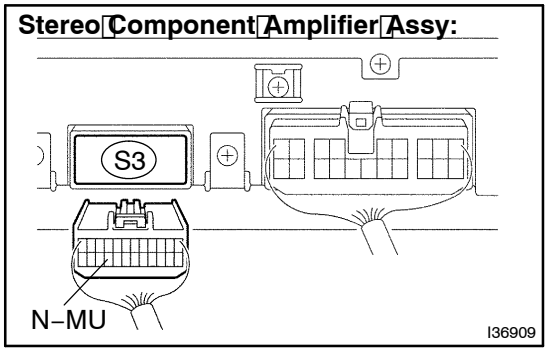
(a) Disconnect the connectors from the stereo component amplifier assy (S29) and navigation ECU (N4).

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
MUT2 – N–MU	Always	Below 1 Ω
MUT2 – Body ground	Always	10 kΩ or higher

Stereo Component Amplifier Assy:



NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE STEREO COMPONENT AMPLIFIER ASSY (SEE PAGE 67–25)