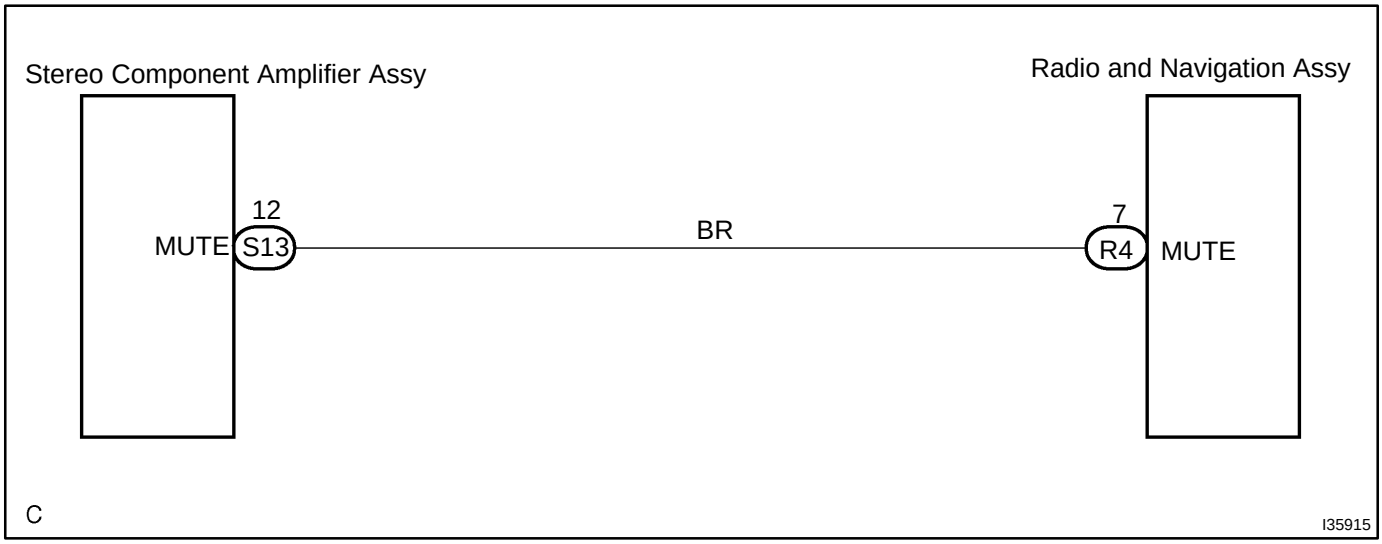
MUTE SIGNAL CIRCUIT

CIRCUIT DESCRIPTION

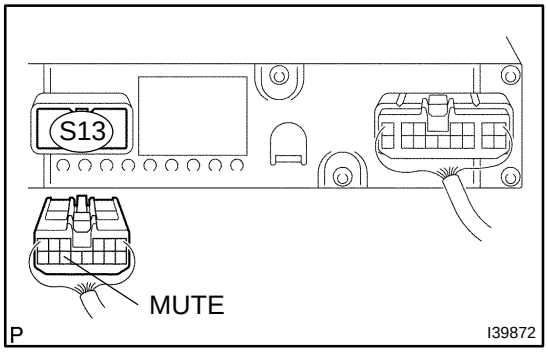
This circuit sends a mute signal to the stereo component amplifier. This has the effect of keeping sound from being produced even when the sound source changes.
In addition, this circuit is used to mute the sound when the navigation system performs a voice guide.
If there is an open in the circuit, sound can be heard from the speaker when changing the sound source.
When the vehicle is equipped with the navigation system, audio sounds 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, either extremely quiet sound will be produced, or no sound will be produced at all.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT STEREO COMPONENT AMPLIFIER ASSY



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

Standard:

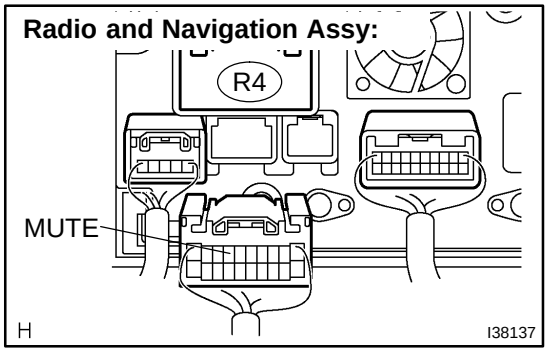
Tester connection	Condition	Specification
MUTE − Body ground	Turn ignition switch to ACC, Audio system is playing → Changing	Above 3.5 V → Below 1 V

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05−1914)

2 CHECK HARNESS AND CONNECTOR(RADIO AND NAVIGATION ASSY − STEREO COMPONENT AMPLIFIER ASSY)

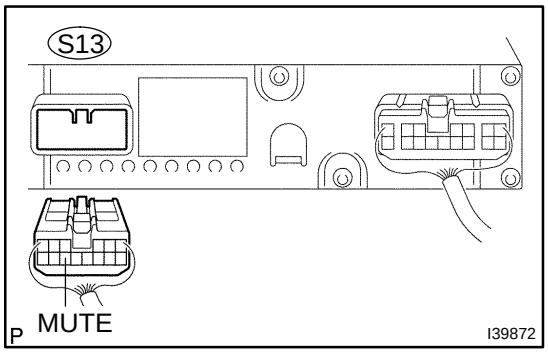


(a) Disconnect the connectors from the radio and navigation assy R4 and stereo component amplifier assy S13.

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

Standard:

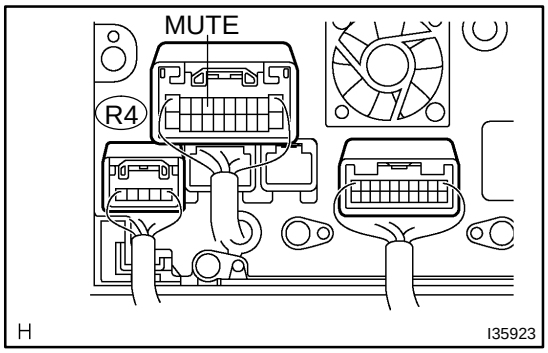
Tester connection	Condition	Specified condition
MUTE (R4) − MUTE (S13)	Always	Below 1 Ω
MUTE (R4 or S13) − Body ground	Always	10 kΩ or higher



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

OK

3 INSPECT RADIO AND NAVIGATION ASSY



(a) Connect the radio and navigation assy connector R4.
(b) Measure the voltage according to the value(s) 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 PAGE 67−18)**

OK

REPLACE RADIO AND NAVIGATION ASSY (SEE PAGE 67−5)