Mute Signal Circuit between Radio Receiver and Stereo Component Amplifier

DESCRIPTION

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

WIRING DIAGRAM

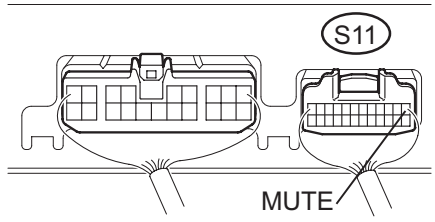


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INSPECTION PROCEDURE

1	INSPECT STEREO COMPONENT AMPLIFIER

Wire Harness View:



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

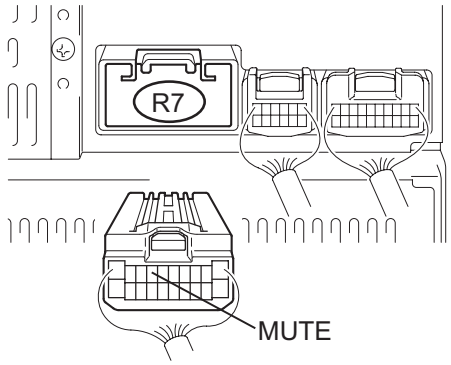
Tester connection	Condition	Specified condition
MUTE - Body ground	Turn ignition switch to ACC, Audio system is playing → Changing	Above 3.5 V → Below 1 V

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

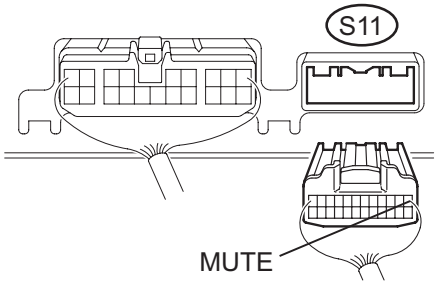
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2	CHECK HARNESS AND CONNECTOR (RADIO RECEIVER - STEREO COMPONENT AMPLIFIER)

Radio Receiver
Wire Harness View:



Stereo Component Amplifier
Wire Harness View:



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(a) Disconnect the radio receiver connector R7 and stereo component amplifier connector S11.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

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

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

OK

3	REPLACE STEREO COMPONENT AMPLIFIER

(a) Replace the stereo component amplifier and check if the audio system operates normally.

OK:

The audio system operates normally.

OK → **NORMAL OPERATION**

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REPLACE RADIO RECEIVER

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