AVC-LAN Circuit

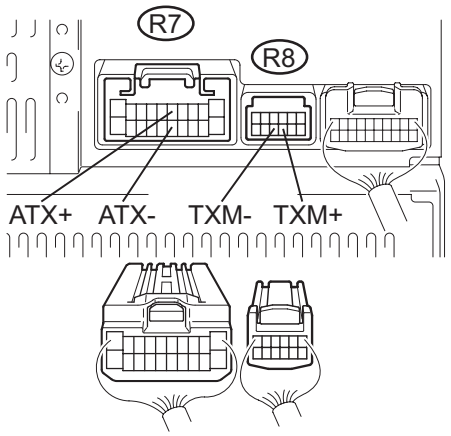
DESCRIPTION

Each unit of the audio system connected to the AVC-LAN (communication bus) transfers the signal of each switch by communication.
When a short to +B or short to ground occurs in this AVC-LAN, the audio system will not function normally as the communication is discontinued.

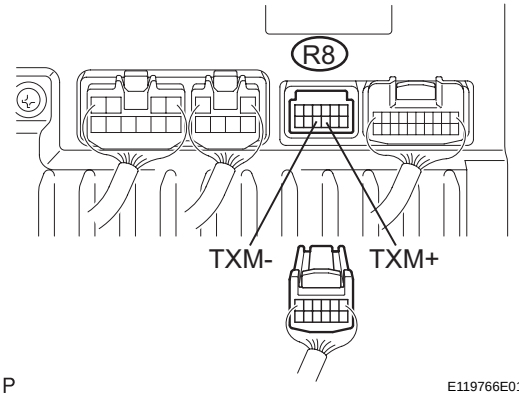
INSPECTION PROCEDURE

1	INSPECT RADIO RECEIVER

10 Speaker System Wire Harness View:



6 Speaker System Wire Harness View:



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(a) Disconnect the radio receiver connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
ATX+ (R7-5) - ATX- (R7-15) (*1)	Always	60 to 80 Ω
TXM+ (R8-9) - TXM- (R8-10)	Always	60 to 80 Ω

*1: 10 Speaker System

NG → REPLACE RADIO RECEIVER

OK

2	CHECK HARNESS AND CONNECTOR

HINT:
For details of the connectors, refer to the "TERMINALS OF ECU" (See page AV-14).

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(a) Referring to the AVC-LAN wiring diagram below, check all AVC-LAN circuits.
(1) Disconnect all connectors in all AVC-LAN circuits.
(2) Check for an open or short in all AVC-LAN circuits.
OK:
There is no open or short circuit.

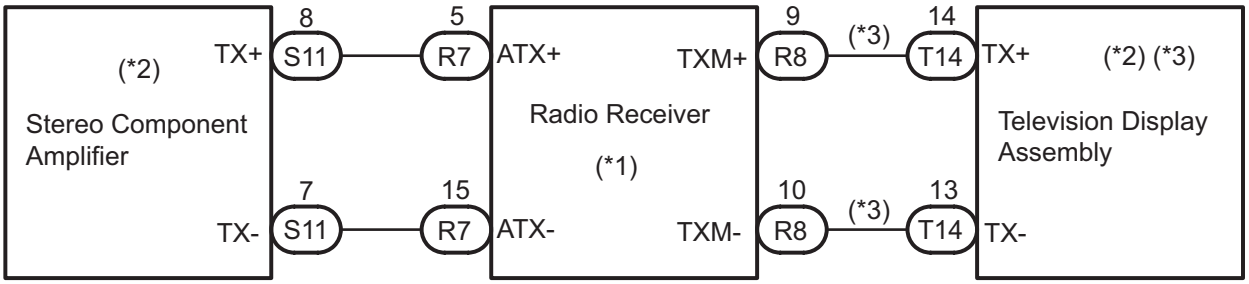
AVC-LAN WIRING DIAGRAM

*1: Master Unit

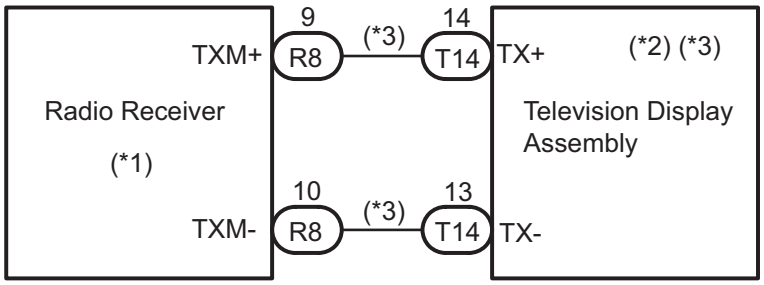
*2: Slave Unit

*3: with Rear Seat Entertainment System

10 Speaker System:



6 Speaker System:



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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE