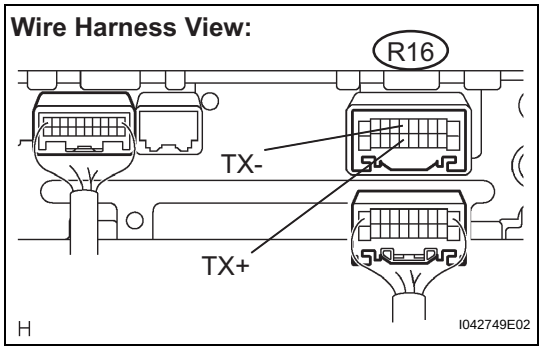
AVC-LAN Circuit

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



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

Tester Connection	Condition	Specified Condition
TX+ - TX-	Always	60 to 80 Ω

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-11).

(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.

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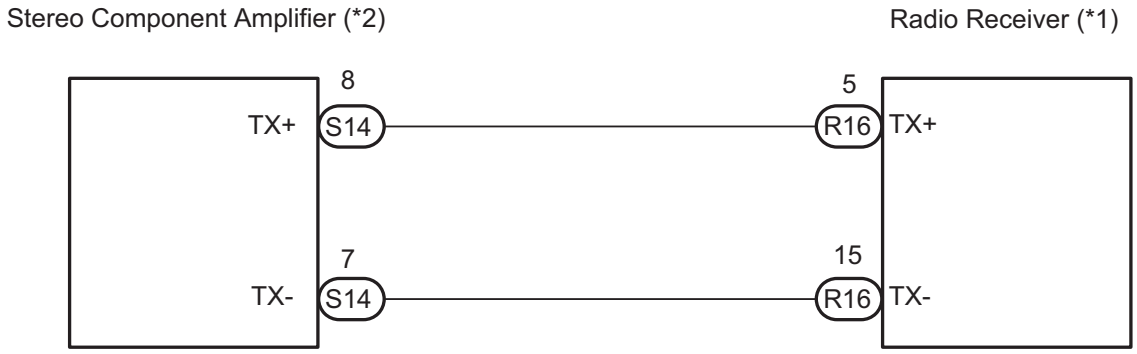
AVC-LAN WIRING DIAGRAM



*1: Master Unit

*2: Slave Unit

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE