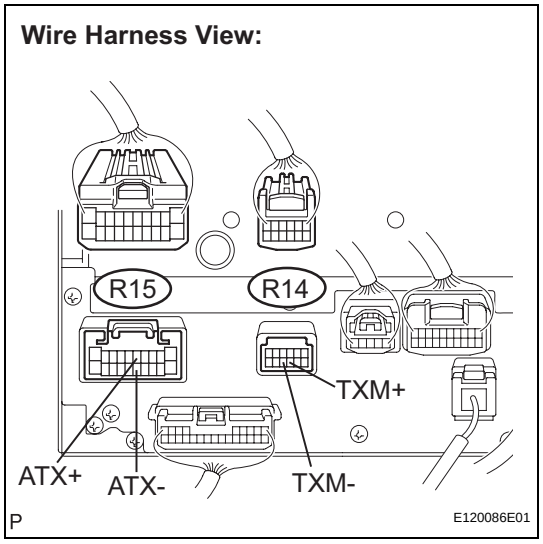
AVC-LAN Circuit

DESCRIPTION

Each unit of the navigation 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 navigation system will not function normally as the communication is discontinued.

INSPECTION PROCEDURE

1 INSPECT RADIO AND NAVIGATION ASSEMBLY



(a) Disconnect the radio and navigation assembly connectors.
(b) Measure the resistance according to the value(s) in the table below.
Standard resistance

Tester Connection	Condition	Specified Condition
ATX+ (R15-5) - ATX- (R15-15)	Always	60 to 80 Ω
TX+ (R14-9) - TX- (R14-10)	Always	60 to 80 Ω

NG → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

OK

2 CHECK HARNESS AND CONNECTOR

HINT:
For details of the connectors, refer to "TERMINALS OF ECU" (See page NS-45).
(a) Referring to the AVC-LAN wiring diagram below, check all AVC-LAN circuits.
(1) Check for an open or short in all AVC-LAN circuits.

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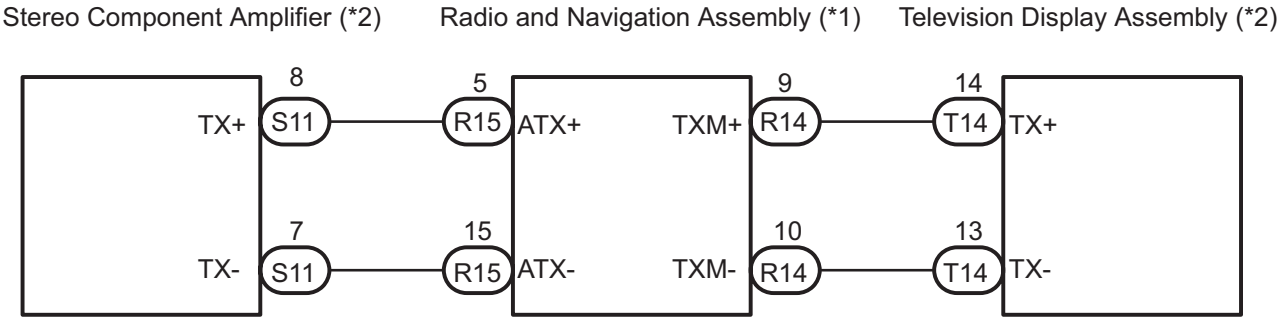
AVC-LAN WARNING DIAGRAM



*1: Master Unit

*2: Slave Unit

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OK:
There is no open or short circuit.

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

OK

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PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE