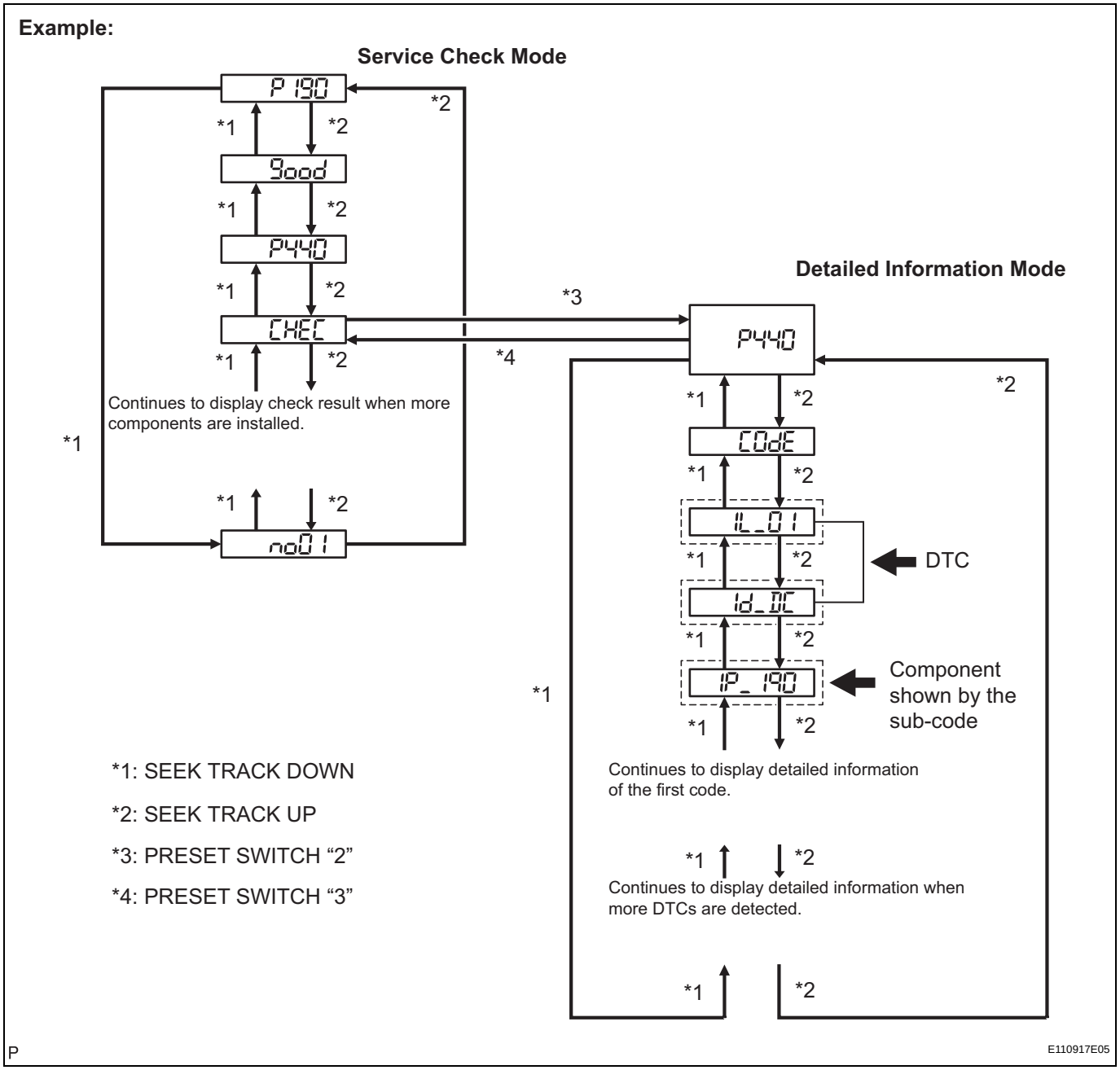
Radio Receiver Communication Error

INSPECTION PROCEDURE

1	IDENTIFY THE COMPONENT SHOWN BY THE SUB-CODE

(a) Enter the diagnostic mode.



(b) Press the preset switch "3" to change to "Detailed Information Mode".

(c) Identify the component shown by the sub-code.

HINT:

- "190 (radio receiver)" is the component shown by the sub-code in the example shown in the illustration.

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- For details of the DTC display, refer to "DTC CHECK/ CLEAR" (See page AV-18).

NEXT

2 CHECK POWER SOURCE CIRCUIT OF COMPONENT SHOWN BY SUB-CODE

(a) Inspect the power source circuit of the component shown by the sub-code.
If the power source circuit is operating normally, proceed to the next step.

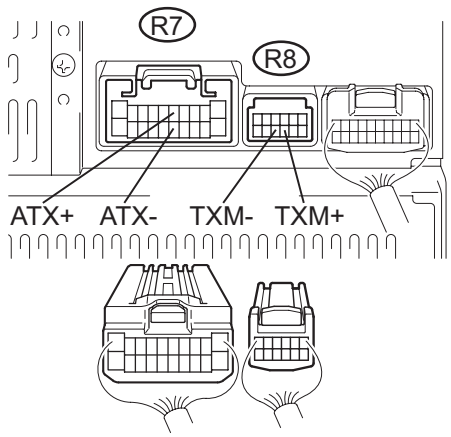
Component Table:

Component	Proceed to
Stereo component amplifier (440)	Stereo component amplifier power source circuit (See page AV-152)
Television display assembly (1B0)	Television display assembly power source circuit (See page NS-229)

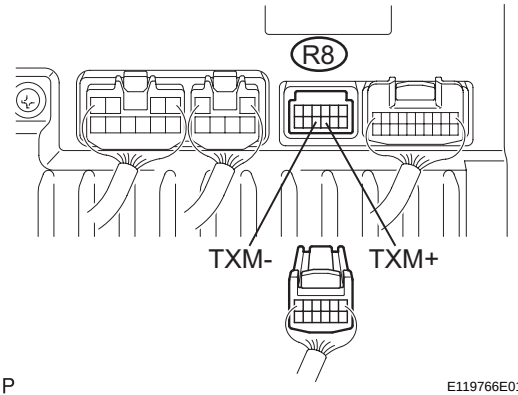
NEXT

3 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

4	CHECK HARNESS AND CONNECTOR (RADIO RECEIVER - COMPONENT SHOWN BY SUB-CODE)

HINT:

- Start the check from the circuit that is near the component shown by the sub-code first.
- For details of the connectors, refer to the "TERMINALS OF ECU" (See page AV-14).

(a) Referring to the AVC-LAN wiring diagram below, check the AVC-LAN circuit between the radio receiver and the component shown by the sub-code.

(1) Disconnect all connectors between the radio receiver and the component shown by sub-code.

(2) Check for an open or short in the AVC-LAN circuit between the radio receiver and the component shown by the sub-code.

OK:

There is no open or short circuit.

AVC-LAN WIRING DIAGRAM

*1: Master Unit

*2: Slave Unit

*3: With Rear Seat Entertainment System

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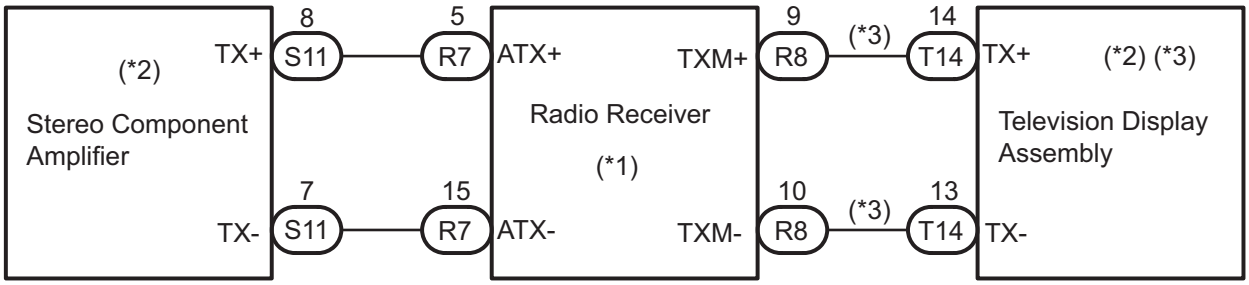
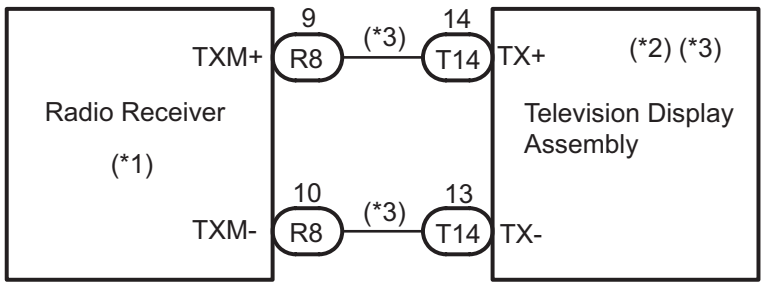
10 Speaker System:



6 Speaker System:



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

OK

5	REPLACE COMPONENT SHOWN BY SUB-CODE

(a) Replace the component shown by the sub-code with a normal one and check if the same problem occurs again.
OK:
Same problem does not occur.

NG → **REPLACE RADIO RECEIVER**

OK

END