

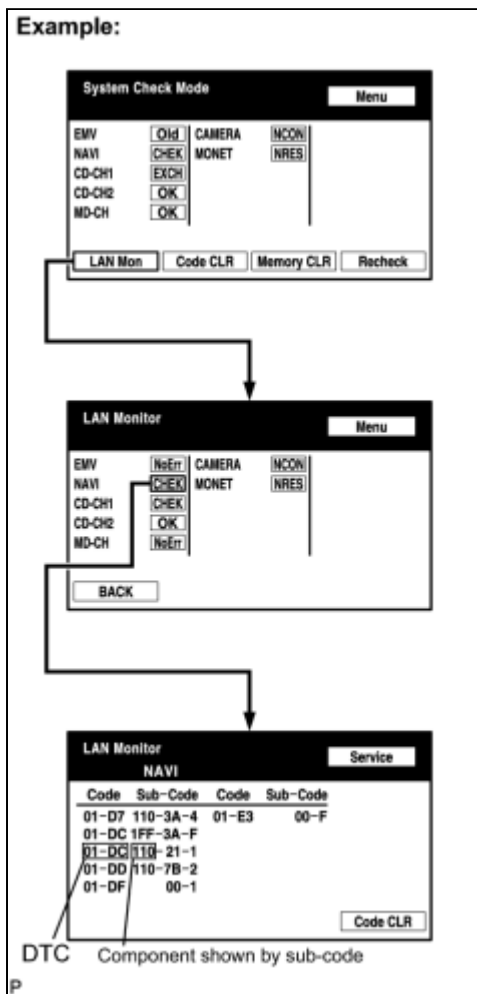
Last Modified: 7-13-2007		1.6 J
Service Category: Audio/Visual/Telematics		Section: Navigation/Multi Info Display
Model Year: 2008	Model: ES350	Doc ID: RM00000184103CX
Title: NAVIGATION: NAVIGATION SYSTEM: Radio Receiver Communication Error (2008 ES350)		

## Radio Receiver Communication Error

# INSPECTION PROCEDURE

## PROCEDURE

### 1. IDENTIFY THE COMPONENT SHOWN BY SUB-CODE



(a) Enter the diagnostic mode.

(b) Press the "LAN Mon" switch to change to "LAN Monitor" mode.

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

### HINT:

- "110 (multi-display)" is the component shown by the sub-code in the example shown in the illustration.
- The sub-code will be indicated by its physical address.
- For the component list, refer to "DIAGNOSIS DISPLAY DETAILED DESCRIPTION" [INFO](#) .

**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:**

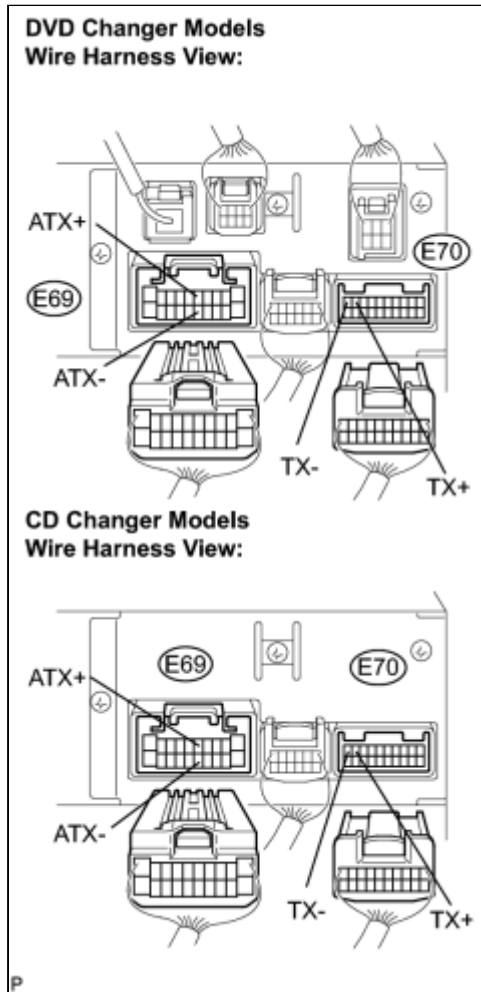
COMPONENT	PROCEED TO
Stereo component amplifier (440)	Stereo component amplifier power source circuit <a href="#">INFO</a>
Multi-display (110)	Multi-display power source circuit <a href="#">INFO</a>
Navigation ECU (178)	Navigation ECU power source circuit <a href="#">INFO</a>

**NEXT**



**3. INSPECT RADIO RECEIVER**

(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
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ATX+ (E69-5) - ATX- (E69-15)	Always	60 to 80 $\Omega$
TX+ (E70-9) - TX- (E70-10)	Always	60 to 80 $\Omega$


**NG**  **REPLACE RADIO RECEIVER**

**OK**



4.	<b>CHECK HARNESS AND CONNECTOR (RADIO RECEIVER - COMPONENT SHOWN BY SUB-CODE)</b>
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**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 "TERMINALS OF ECU"  .

(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.

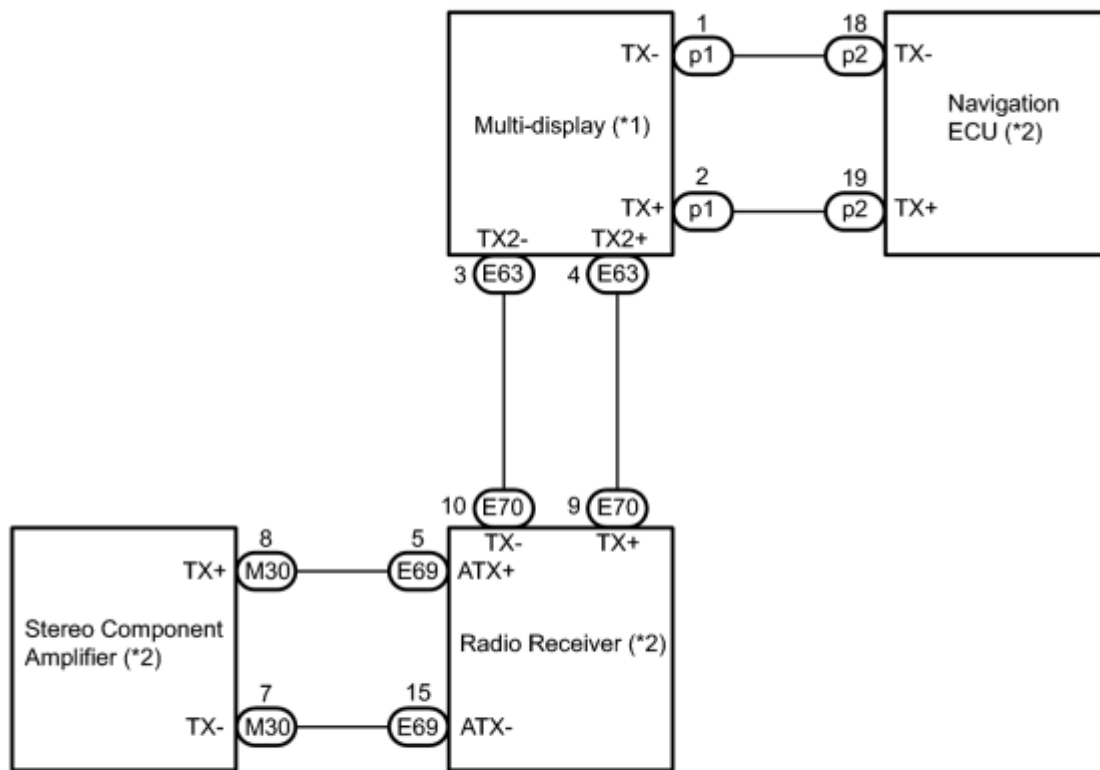
(1) Disconnect all connectors between the radio receiver and the component shown by sub-code.

(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

**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

