

## AVC-LAN CIRCUIT (RADIO RECEIVER ASSY - MULTI-DISPLAY)

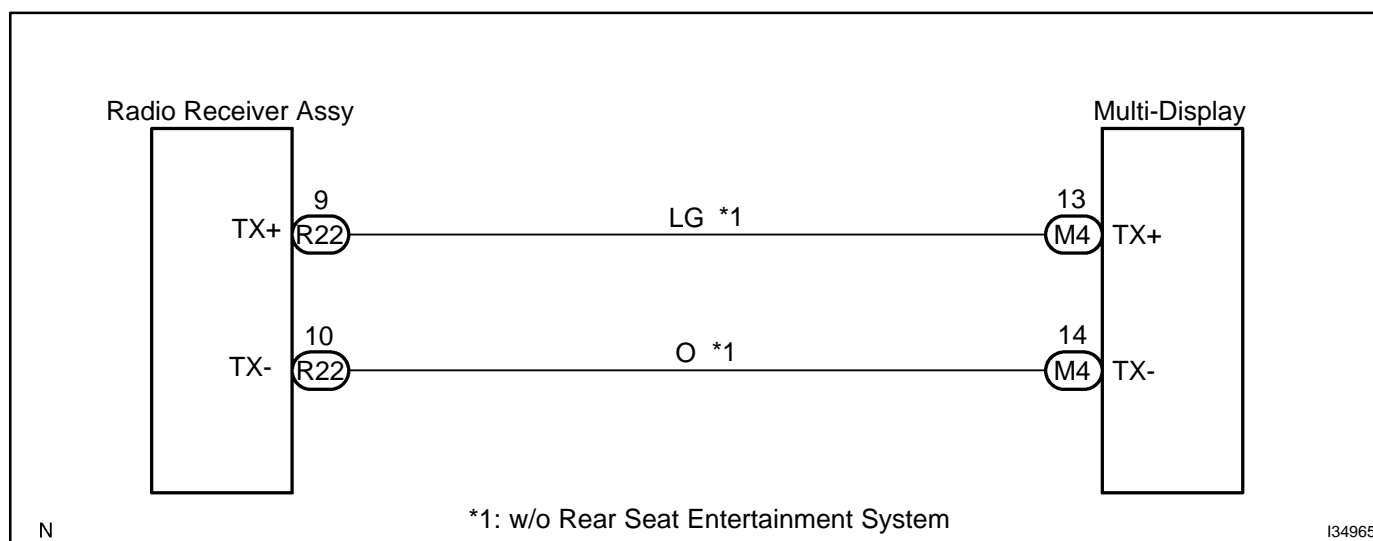
### CIRCUIT DESCRIPTION

Each unit of the navigation system connected to AVC-LAN (communication bus) communicates by transferring the signals from each switch.

When +B short and GND short occur in this AVC-LAN, navigation system will not function normally as communication is discontinued.

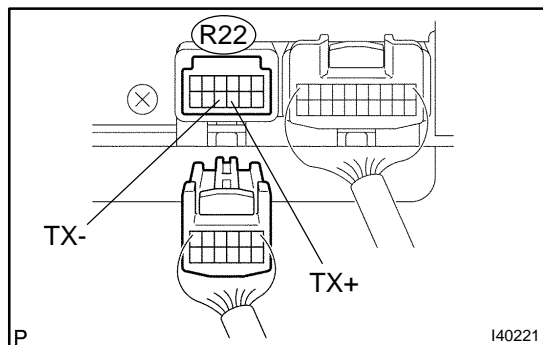
In AVC-LAN, multi-display becomes the communication master, and the radio receiver assy has enough resistance necessary for transmitting the communication.

### WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 INSPECT RADIO RECEIVER ASSY



- (a) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
TX+ - TX-	Always	60 to 80 $\Omega$

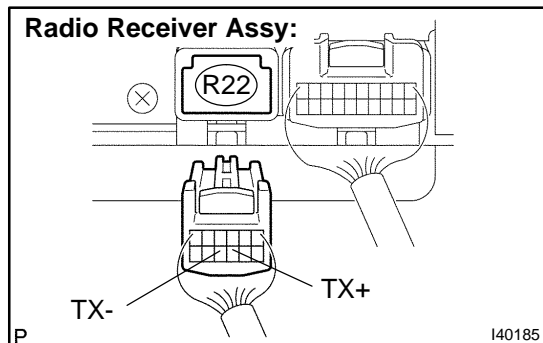
**NG**

**REPLACE RADIO RECEIVER ASSY  
(SEE PAGE 67-6)**

**OK**

### 2 CHECK HARNESS AND CONNECTOR(RADIO RECEIVER ASSY - MULTI-DISPLAY)

**Radio Receiver Assy:**

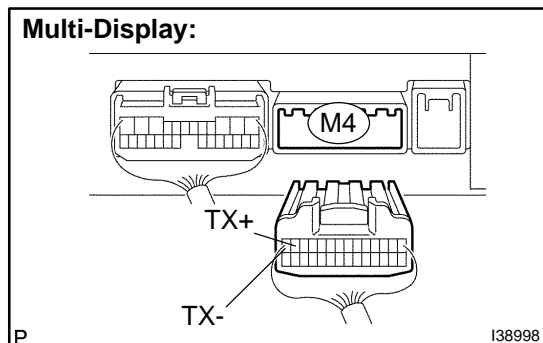


- (a) Disconnect the connector from the radio receiver assy and multi-display.  
(b) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
TX+ - TX+	Always	Below 1 $\Omega$
TX- - TX-	Always	Below 1 $\Omega$
TX+ - Body ground	Always	10 k $\Omega$ or higher
TX- - Body ground	Always	10 k $\Omega$ or higher

**Multi-Display:**



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**REPAIR OR REPLACE HARNESS OR  
CONNECTOR**

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN DIAGNOSTIC TROUBLE CODE CHART  
(SEE PAGE 05-1791)**