

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

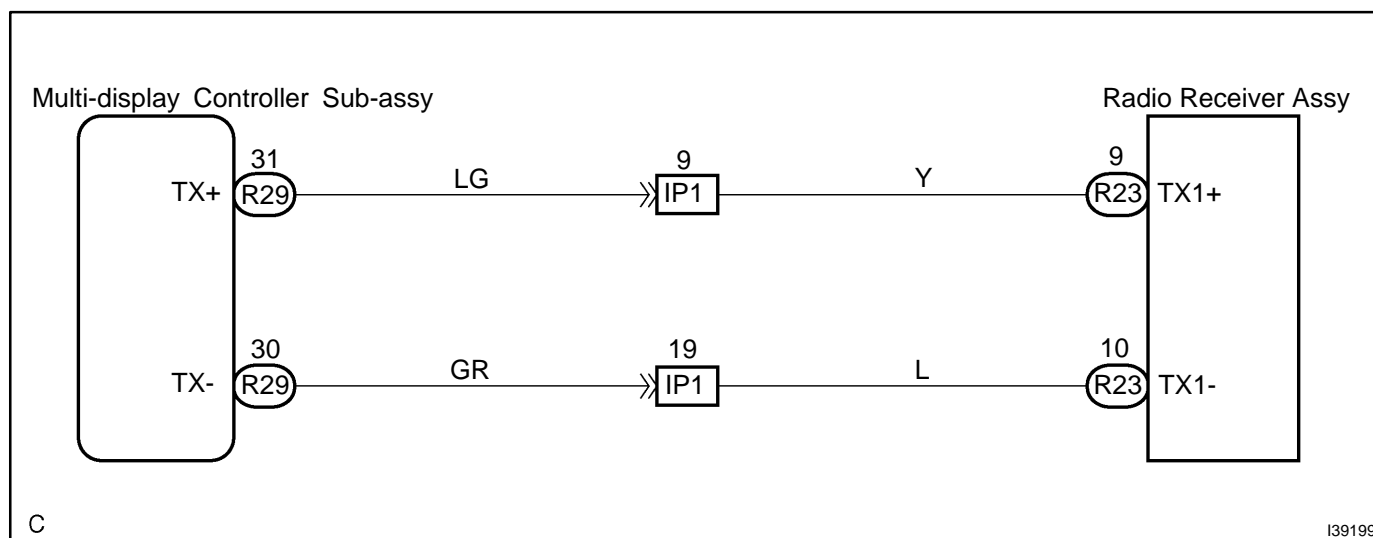
### CIRCUIT DESCRIPTION

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.

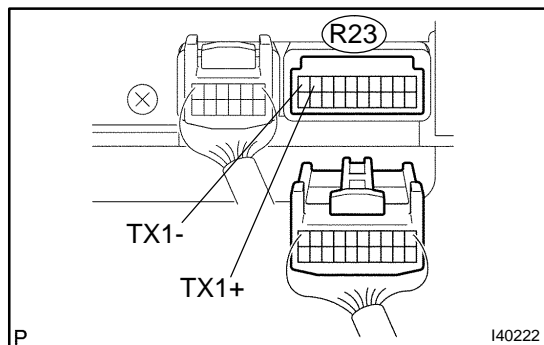
In AVC-LAN, multi-display becomes the communication master, and the radio receiver assy has enough resistance necessary for transmitting the communication.

### 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
TX1+ - TX1-	Always	60 to 80 $\Omega$

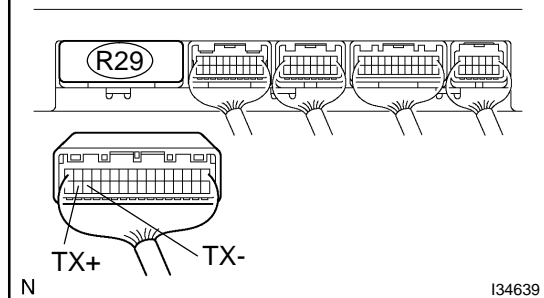
**NG**

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

**OK**

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

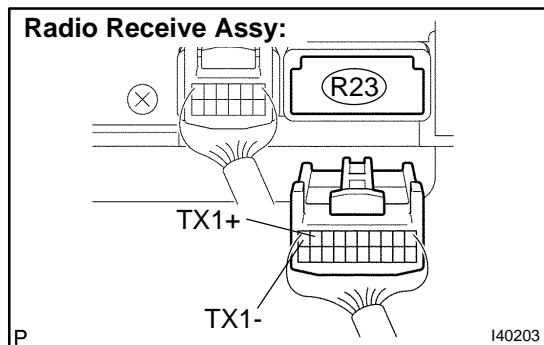
**Multi-display Controller Sub-assy:**



- (a) Disconnect the connectors from the multi-display controller sub-assy R29 and radio receiver assy R23.  
(b) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
TX+ - TX1+	Always	Below 1 $\Omega$
TX- - TX1-	Always	Below 1 $\Omega$
TX+ - Body ground	Always	10 k $\Omega$ or higher
TX- - Body ground	Always	10 k $\Omega$ or higher



**NG**

**REPAIR OR REPLACE HARNESS OR  
CONNECTOR**

**OK**

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