

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

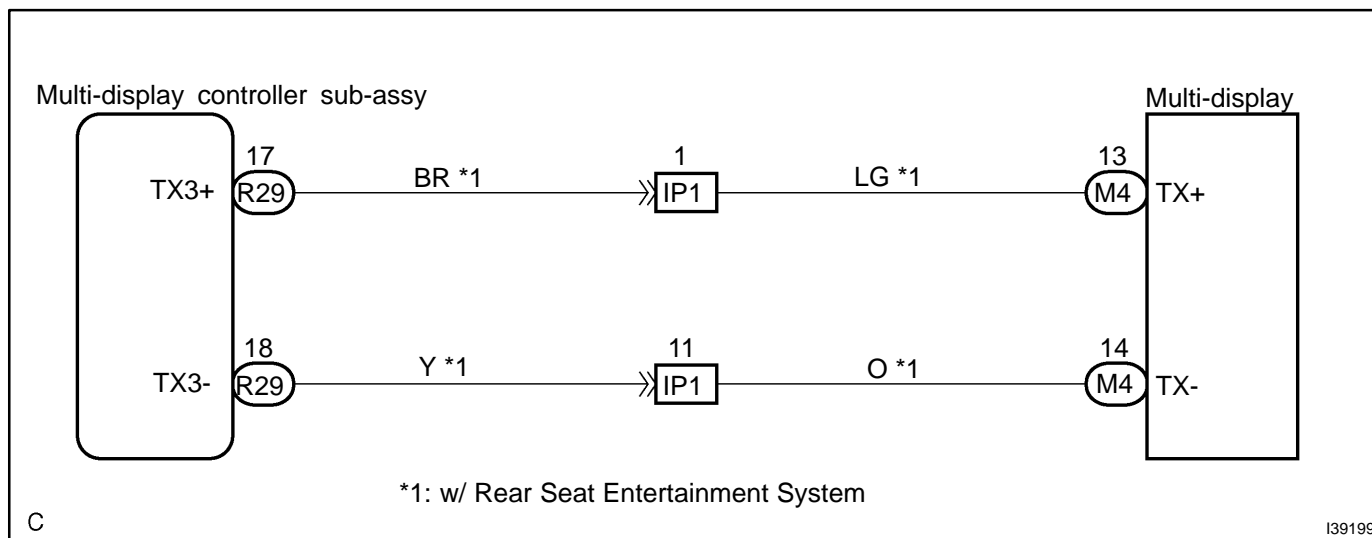
### CIRCUIT DESCRIPTION

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.

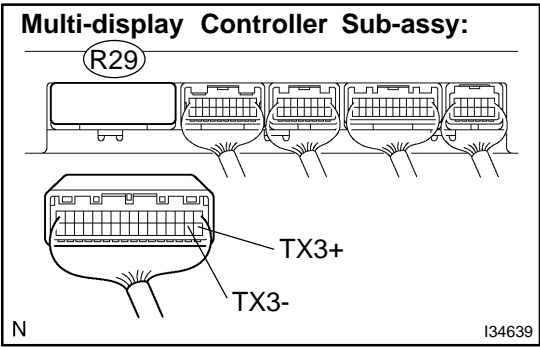
In AVC-LAN, multi-display becomes the communication master, and the radio receiver assy has enough resistance necessary for transmitting the communication.

### WIRING DIAGRAM



INSPECTION PROCEDURE

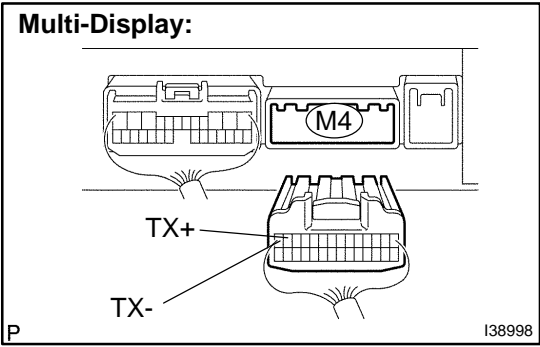
1 CHECK HARNESS AND CONNECTOR(MULTI-DISPLAY CONTROLLER SUB-ASSY - MULTI-DISPLAY)



- (a) Disconnect the connector from the multi-display controller sub-assy R29 and multi-display M4.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
TX3+ - TX+	Always	Below 1 $\Omega$
TX3- - TX-	Always	Below 1 $\Omega$
TX3+ - Body ground	Always	10 k $\Omega$ or higher
TX3- - 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 )