

AVC-LAN CIRCUIT (NAVIGATION ECU - MULTI-DISPLAY)

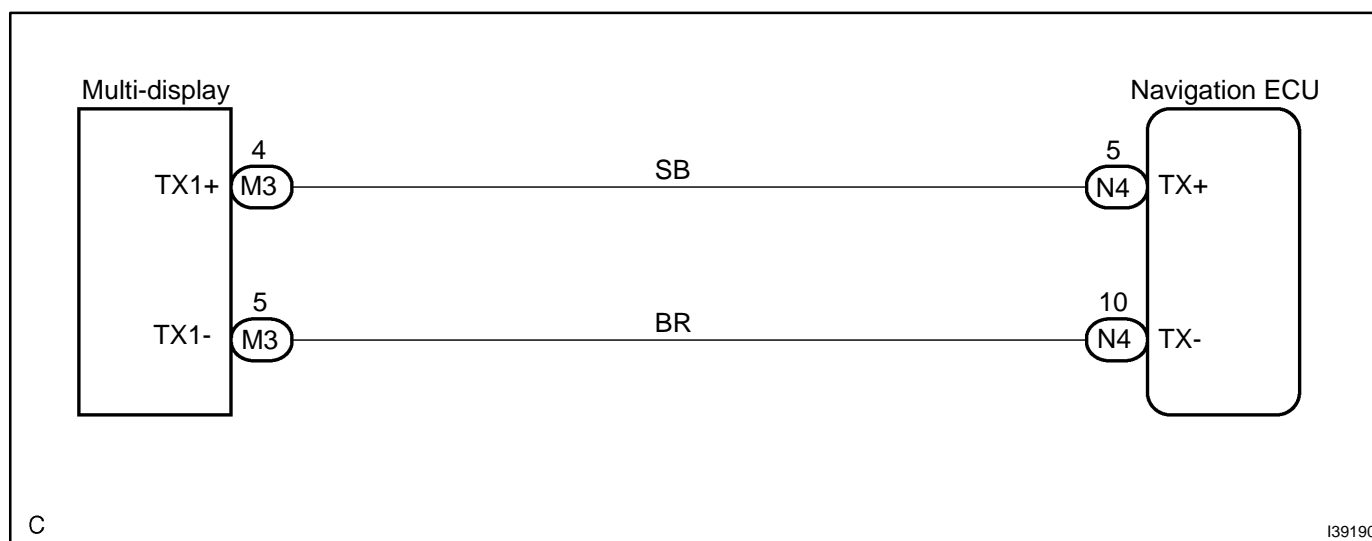
CIRCUIT DESCRIPTION

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.

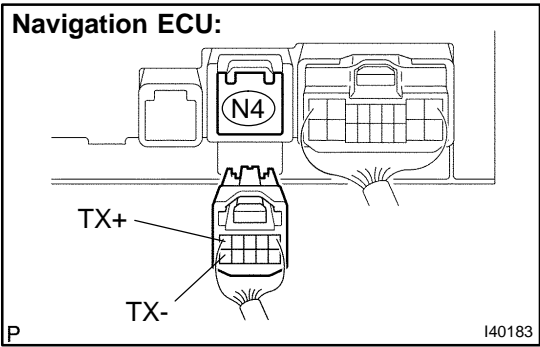
In AVC-LAN, multi-display becomes the communication master, and the radio receiver assy has enough resistance necessary for transmitting the communication.

WIRING DIAGRAM



INSPECTION PROCEDURE

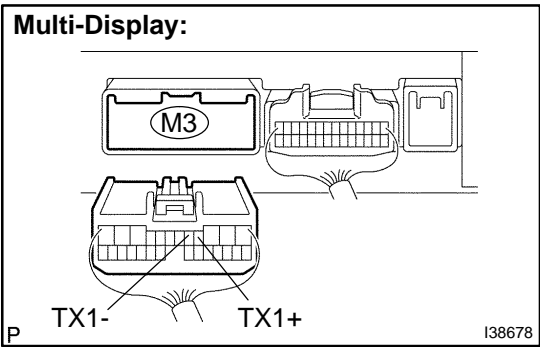
1 CHECK HARNESS AND CONNECTOR(NAVIGATION ECU - MULTI-DISPLA Y)



- (a) Disconnect the connector from the navigation ECU N4 and multi-display M3.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
TX1+ - TX+	Always	Below 1 Ω
TX1- - TX-	Always	Below 1 Ω
TX1+ - Body ground	Always	10 k Ω or higher
TX1- - Body ground	Always	10 k Ω 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)