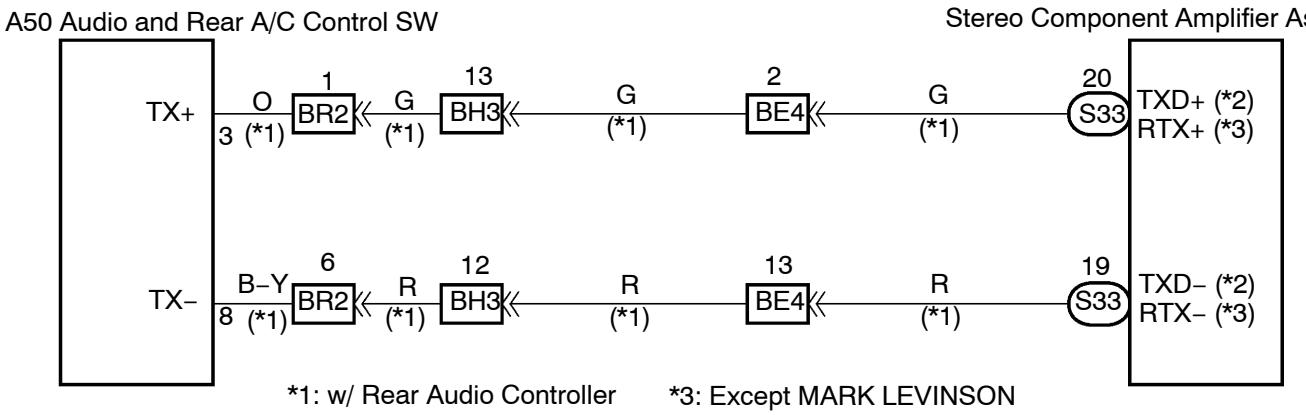
AVC–LAN CIRCUIT (STEREO COMPONENT AMPLIFIER ASSY – AUDIO AND REAR A/C CONTROL SW)

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

RHD Models:



*1: w/ Rear Audio Controller
*2: MARK LEVINSON
*3: Except MARK LEVINSON

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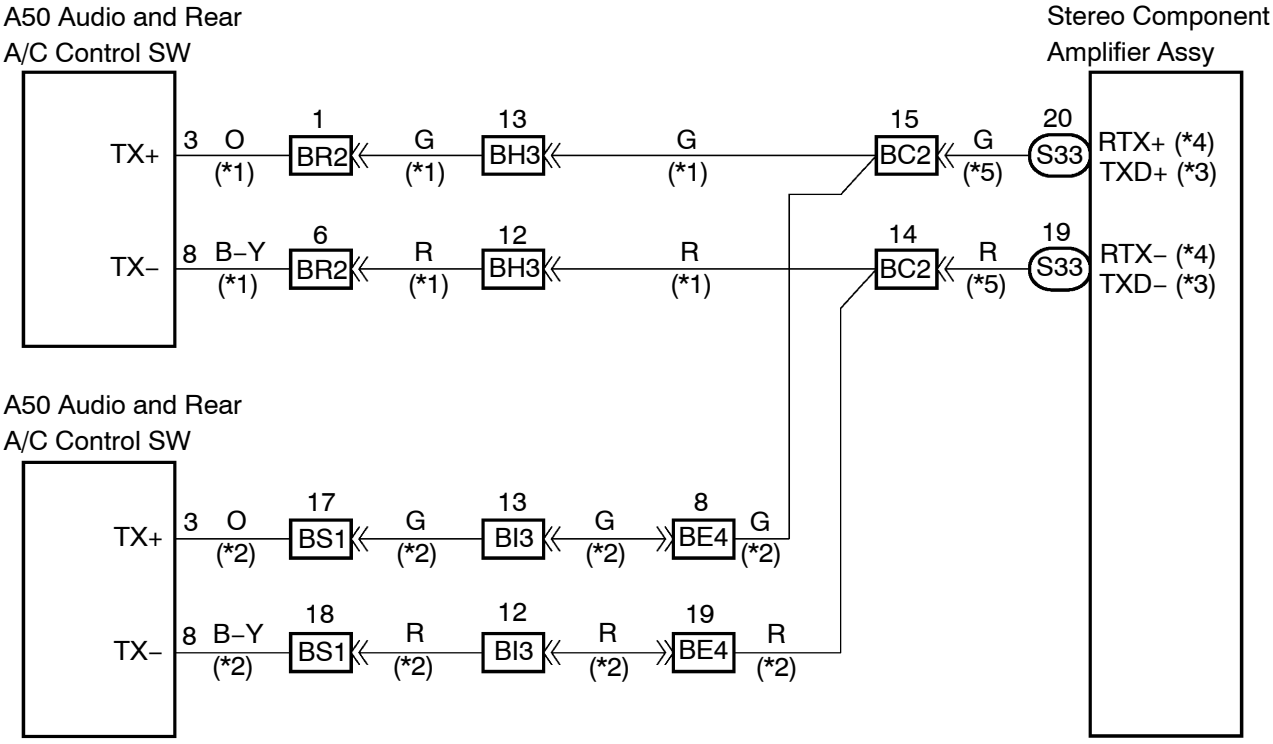
LHD Models:



*1: w/ Rear Power Seat
*2: w/o Rear Power Seat
*3: MARK LEVINSON
*4: Except MARK LEVINSON
*5: w/ Rear Audio Controller

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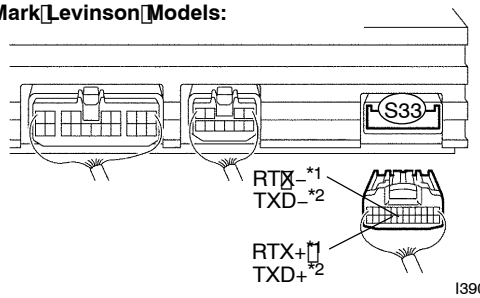
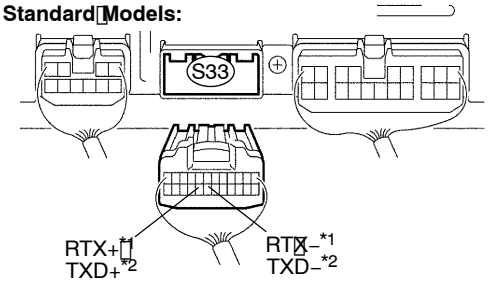
INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR(STEREO COMPONENT AMPLIFIER ASSY – AUDIO AND REAR A/C CONTROL SW)

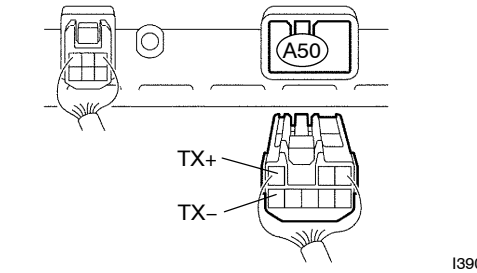
Stereo Component Amplifier Assy:
Mark Levinson Models:



Stereo Component Amplifier Assy:
Standard Models:



Audio and Rear A/C Control SW



(a) Disconnect the connector from the stereo component amplifier assy S33 and audio and rear A/C control sw A50.

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

Standard:

Tester connection	Condition	Specified condition
TX+ – (RTX+*1), (TXD+*2)	Always	Below 1 Ω
TX– – (RTX–*1), (TXD+*2)	Always	Below 1 Ω
TX+ – Body ground	Always	10 kΩ or higher
TX– – Body ground	Always	10 kΩ or higher

*1: Mark Levinson Models
*2: Standard Models

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN DIAGNOSTIC TROUBLE CODE CHART (SEE PAGE 05–1788)