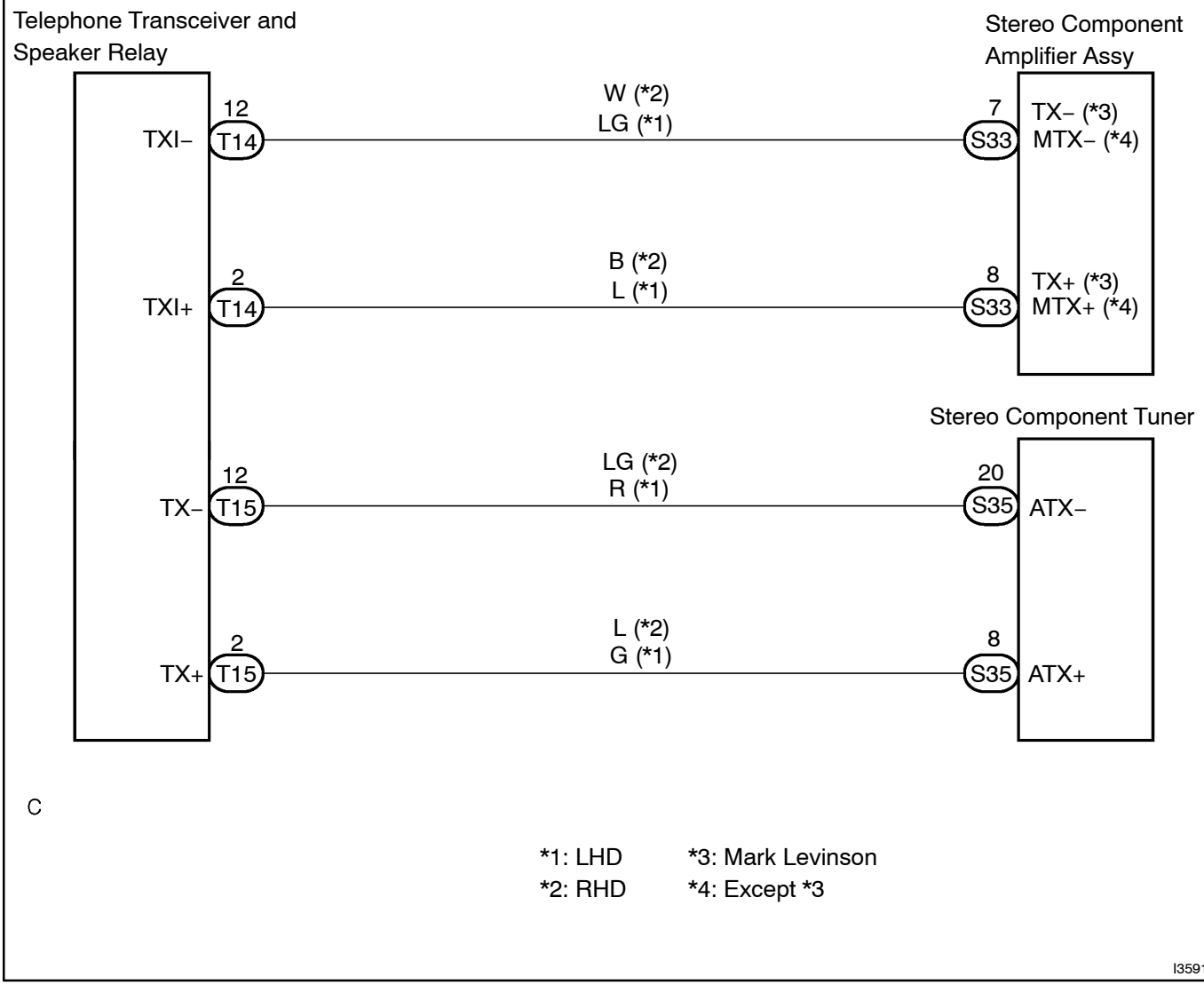
AVC–LAN CIRCUIT (STEREO COMPONENT AMPLIFIER ASSY – STEREO COMPONENT TUNER)

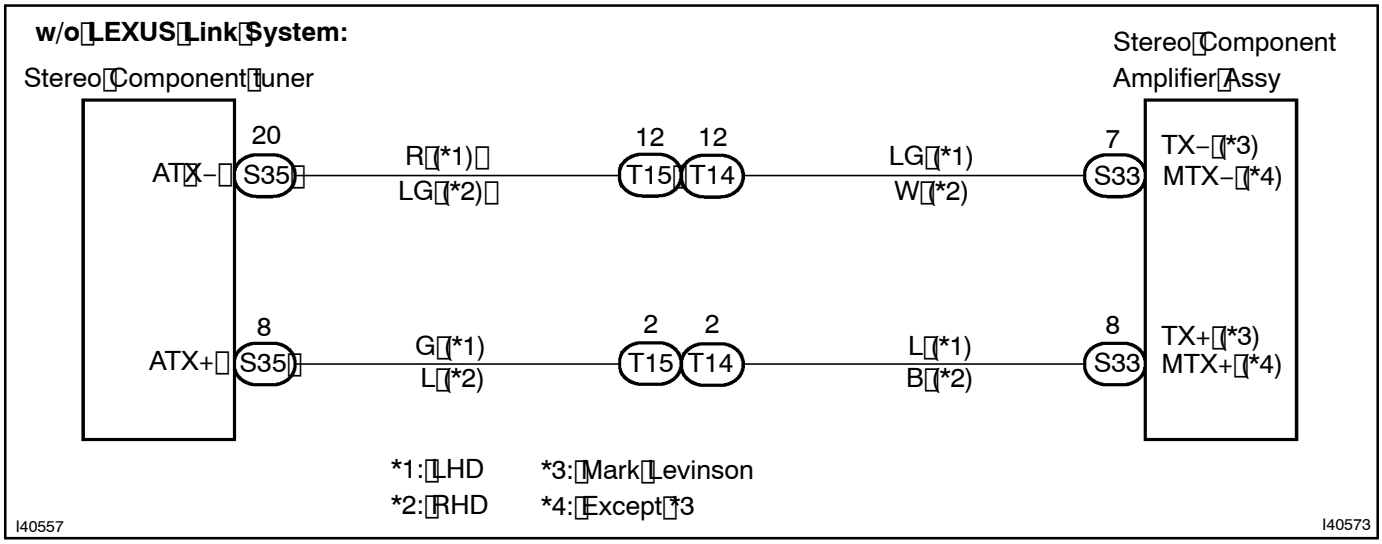
CIRCUIT DESCRIPTION

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

w/ LEXUS Link System:





INSPECTION PROCEDURE

1	CONFIRM THE DESIGNATION INFORMATION

Spec	Go to step
w/ LEXUS Link system	A
w/o LEXUS Link system	B

B → Go to step 3

A

2	CHECK TELEPHONE TRANSCEIVER AND SPEAKER RELAY

(a) Disconnect the T14 and T15 connectors from the telephone transceiver and speaker relay and connect them.

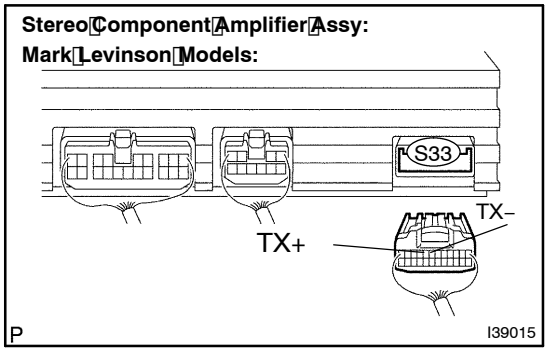
(b) Check if the system has returned to normal.

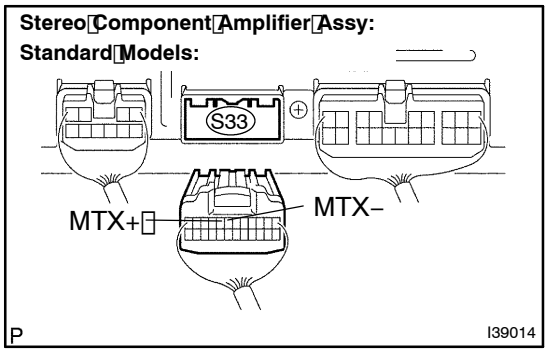
OK: The system has returned to normal.

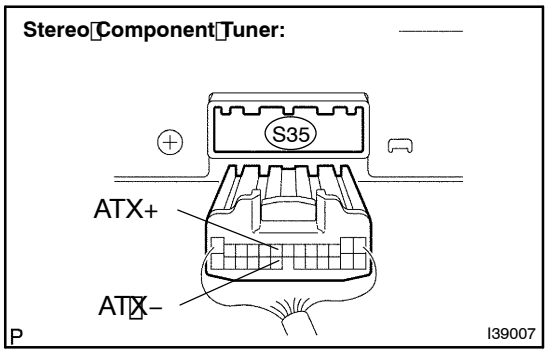
NG → GO TO LEXUS LINK SYSTEM (SEE PAGE 05–3128)

OK

3	CHECK HARNESS AND CONNECTOR(STEREO COMPONENT AMPLIFIER ASSY – STEREO COMPONENT TUNER)







(a) Disconnect the connector from the stereo component amplifier assy (S33) and stereo component tuner (S35).

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

Standard:

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