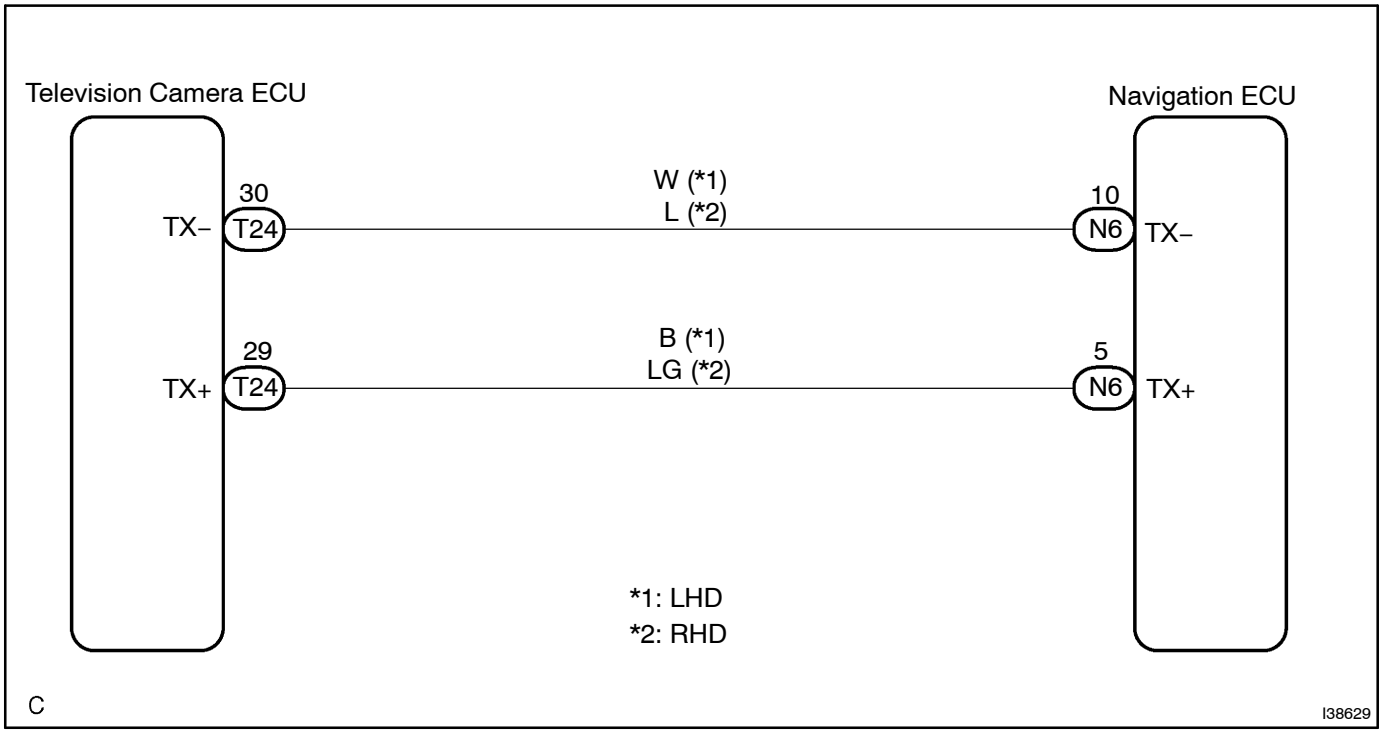
# AVC–LAN CIRCUIT (NAVIGATION ECU – TELEVISION CAMERA ECU)

## 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.

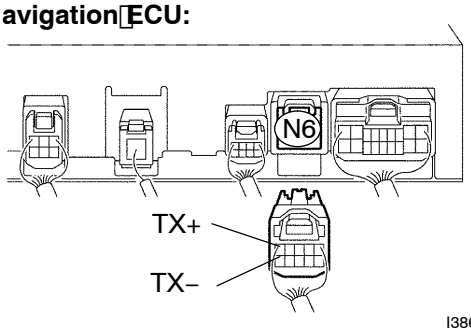
## WIRING DIAGRAM



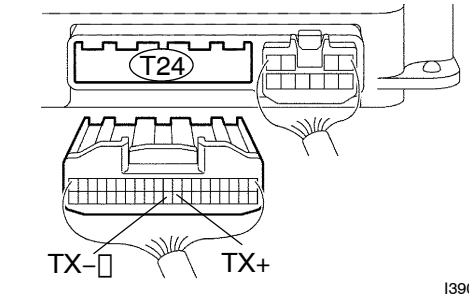
# INSPECTION PROCEDURE

| 1 | CHECK HARNESS AND CONNECTOR(NAVIGATION ECU – TELEVISION CAMERA ECU) |
|---|---|

**Navigation ECU:**




**Television Camera ECU:**




(a) Disconnect the connector from the navigation ECU N6 and television camera ECU T24.

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

**Standard:**

| Tester connection | Condition | Specified condition |
|---|---|---|
| TX+ (N6) – TX+ (T24) | Always | Below 1 Ω |
| TX– (N6) – TX– (T24) | Always | Below 1 Ω |
| TX+ (N6 or T24) – Body ground | Always | 10 kΩ or higher |
| TX– (N6 or T24) – Body ground | Always | 10 kΩ or higher |

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

OK

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