

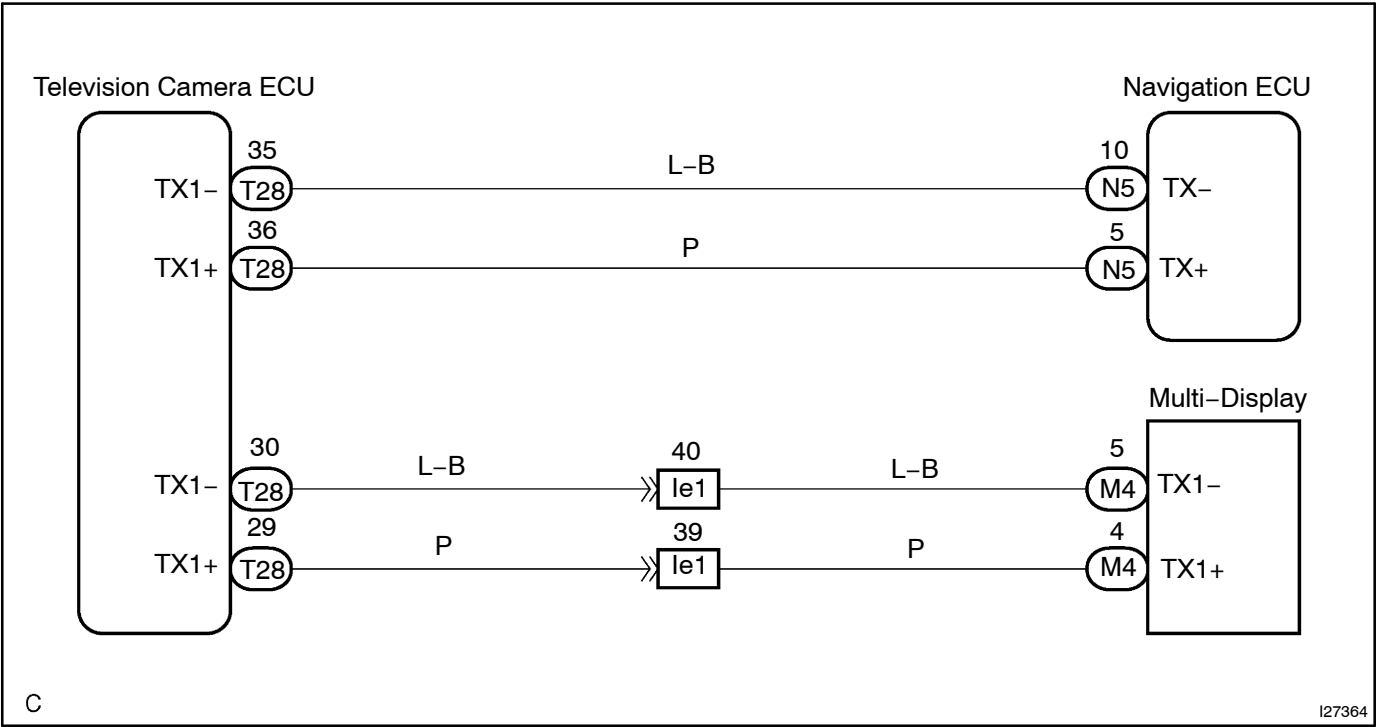
AVC-LAN Circuit

CIRCUIT DESCRIPTION

Each unit of the "BACK MONITOR SYSTEM" connected with AVC-LAN (communication bus) transfers the signal of each switch by communication.

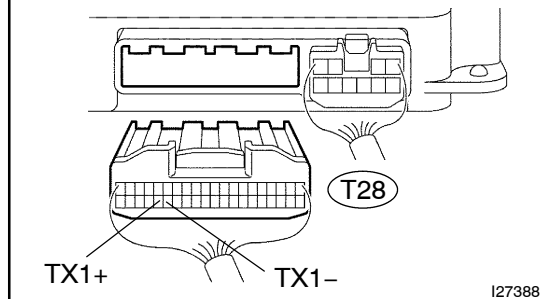
When short to +B or short to ground occurs in this AVC-LAN, the "BACK MONITOR SYSTEM" will not function normally as the communication is discontinued.

WIRING DIAGRAM



INSPECTION PROCEDURE

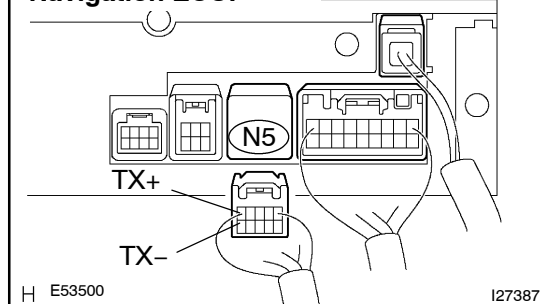
- 1 Check for open or short in harness and connector between navigation ECU and television camera ECU.**

Television Camera ECU:

- Disconnect the T28 connector from the television camera ECU.
- Disconnect the N5 connector from the navigation ECU.
- Measure the resistance according to the value(s) in the table below.

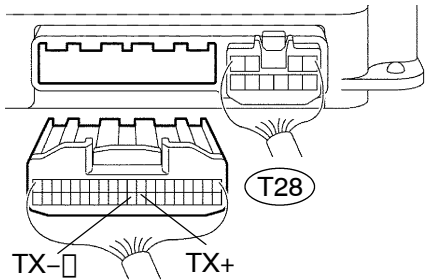
Standard:

| Tester connection | Condition | Specified condition |
|-----------------------------|-----------|-------------------------|
| TX1+ (T28-36) - TX+ (N5-5) | Always | Below 1 Ω |
| TX1- (T28-35) - TX- (N5-10) | Always | Below 1 Ω |
| TX1+ (T28-36) - Body ground | Always | 10 k Ω or higher |
| TX1- (T28-35) - Body ground | Always | 10 k Ω or higher |

Navigation ECU:**NG****Repair or replace harness or connector.****OK**

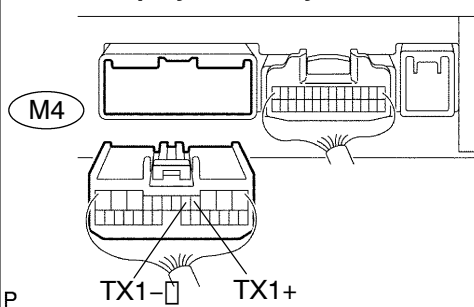
2 Check for open or short in harness and connector between multi-display and television camera ECU.

Television Camera ECU:



I27388

Multi-display assembly:



I27386

- (a) Disconnect the T28 connector from the television camera ECU.
- (b) Disconnect the M4 connector from the multi-display assembly.
- (c) Measure the resistance according to the value(s) in the table below.

Standard:

| Tester connection | Condition | Specified condition |
|----------------------------|-----------|---------------------|
| TX+ (T28-29) - TX1+ (M4-4) | Always | Below 1 Ω |
| TX- (T28-30) - TX1- (M4-5) | Always | Below 1 Ω |
| TX+ (T28-29) - Body ground | Always | 10 kΩ or higher |
| TX- (T28-30) - Body ground | Always | 10 kΩ or higher |

NG

Repair or replace harness or connector.

OK

Proceed to next circuit inspection shown in problem symptoms table (see page DI-297).