

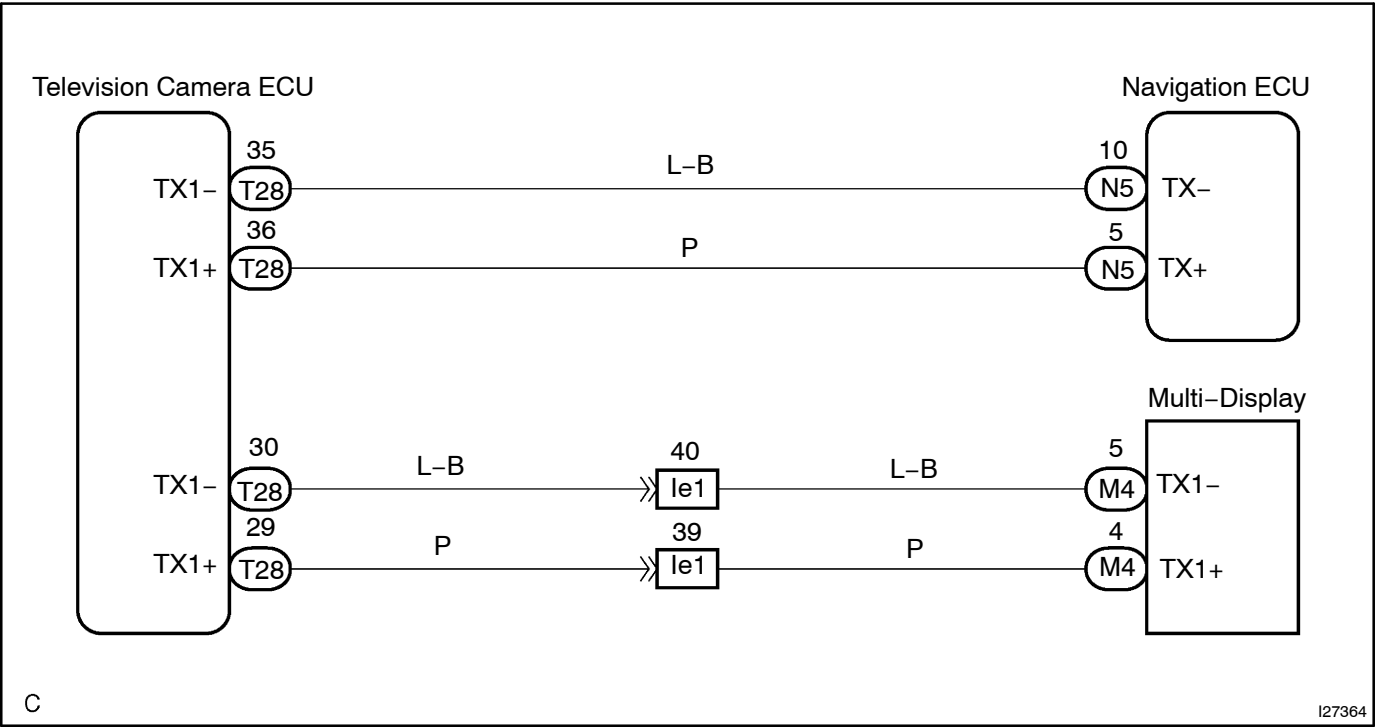
AVC-LAN Circuit

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.

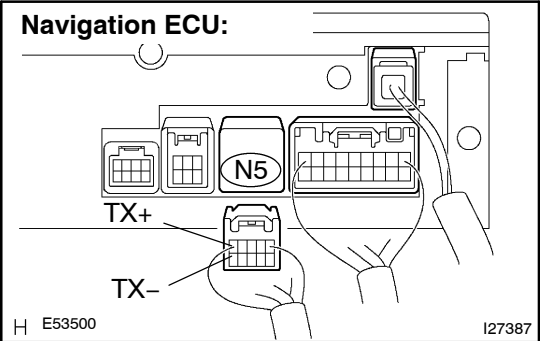
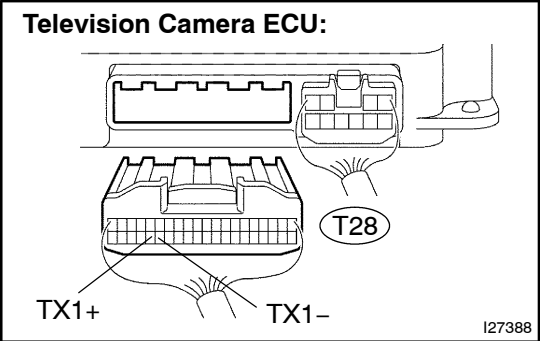
WIRING DIAGRAM



INSPECTION PROCEDURE

1

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



- (a) Disconnect the T28 connector from the television camera ECU.
- (b) Disconnect the N5 connector from the navigation ECU.
- (c) 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

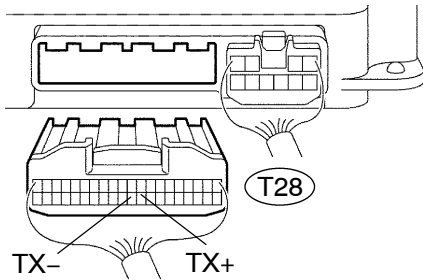
OK

NG

Repair or replace harness or connector.

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

Television Camera ECU:

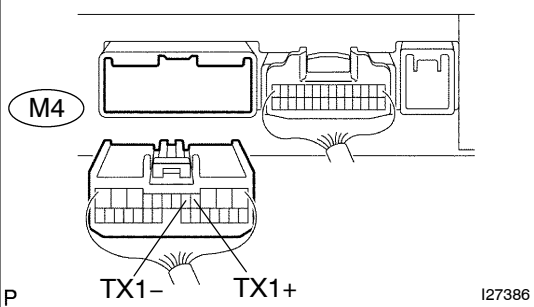


- (a) Disconnect the T28 connector from the television camera ECU.
- (b) Disconnect the M4 connector from the multi-display assembly.
- (c) Measure the resistance according to the value(s) in the table below.

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 k Ω or higher
TX- (T28-30) - Body ground	Always	10 k Ω or higher

Multi-display assembly:



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Repair or replace harness or connector.

OK

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