

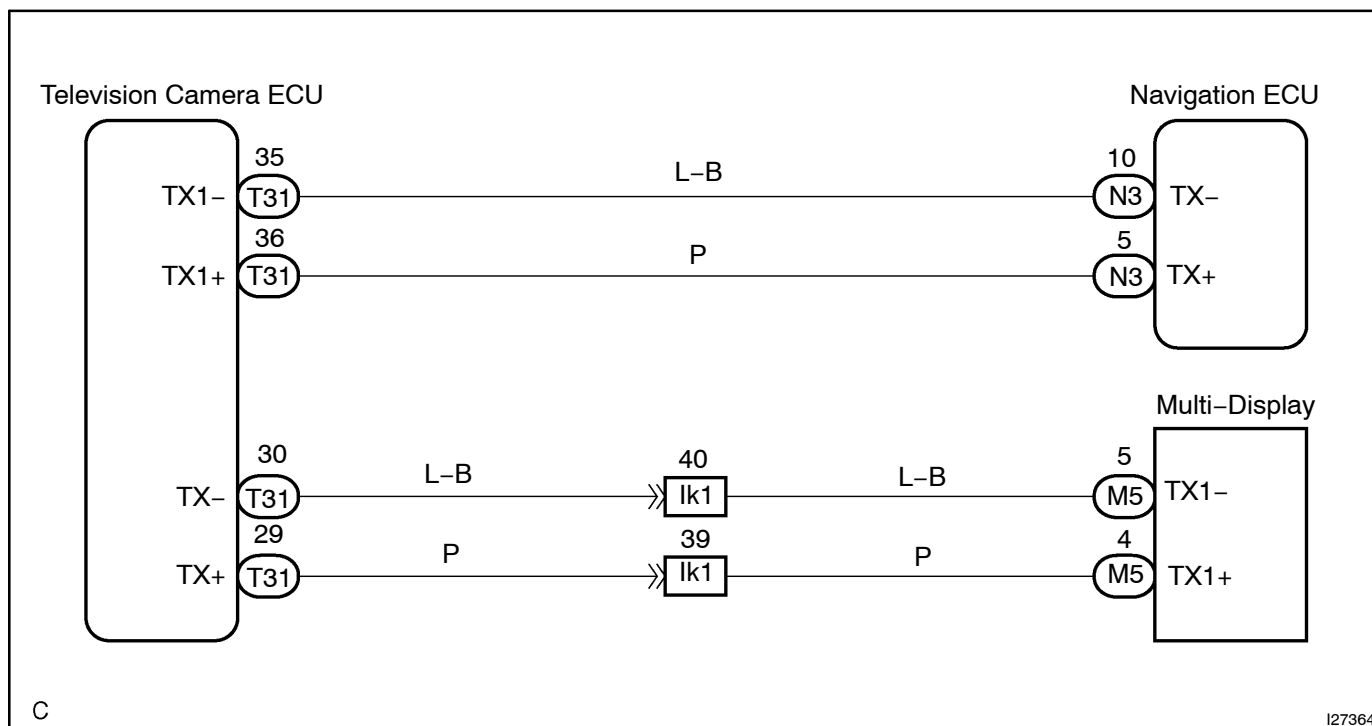
AVC-LAN Circuit

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.

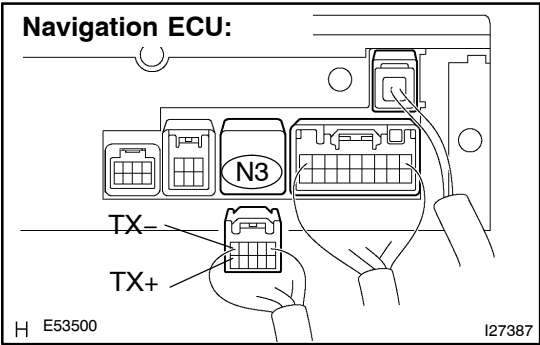
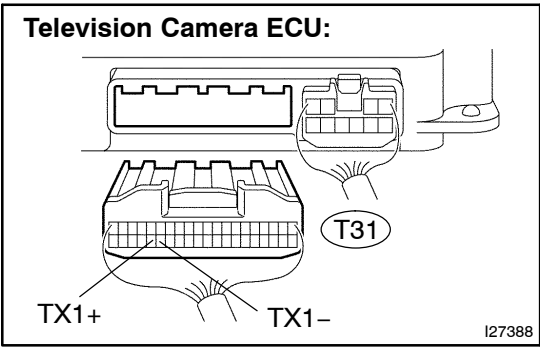
WIRING DIAGRAM



INSPECTION PROCEDURE

1

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



- (a) Disconnect the T31 connector from the television camera ECU.
- (b) Disconnect the N3 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+ (T31-36) - TX+ (N3-5)	Always	Below 1 Ω
TX1- (T31-35) - TX- (N3-10)	Always	Below 1 Ω
TX1+ (T31-36) - Body ground	Always	10 kΩ or higher
TX1- (T31-35) - Body ground	Always	10 kΩ or higher

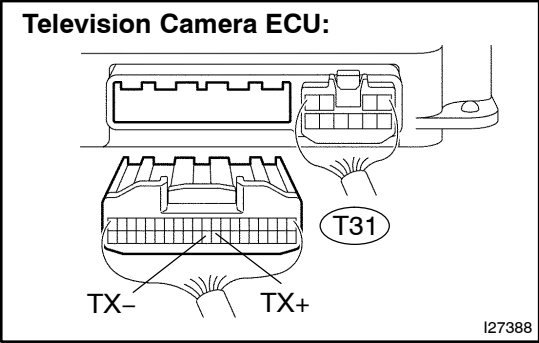
OK

NG

Repair or replace harness or connector.

2

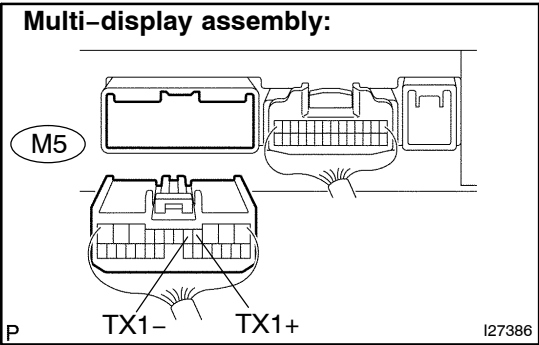
Check for open or short in harness and connector between multi-display and television camera ECU.



- (a) Disconnect the T31 connector from the television camera ECU.
- (b) Disconnect the M5 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+ (T31-29) – TX1+ (M5-4)	Always	Below 1 Ω
TX- (T31-30) – TX1- (M5-5)	Always	Below 1 Ω
TX+ (T31-29) – Body ground	Always	10 kΩ or higher
TX- (T31-30) – 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-1694](#)).