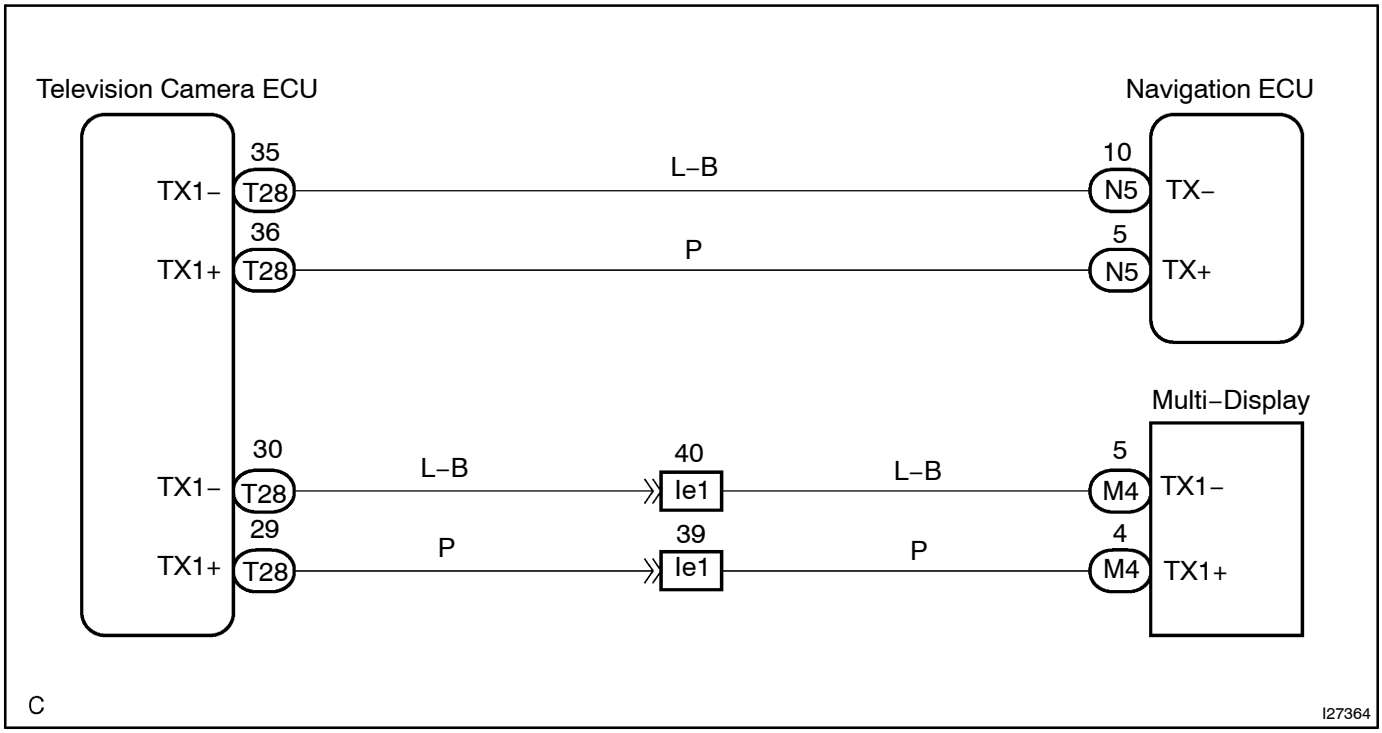
DICDJ–03

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.

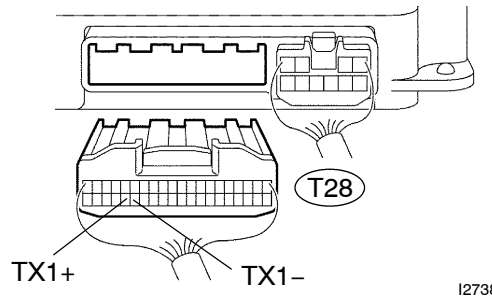
WIRING DIAGRAM



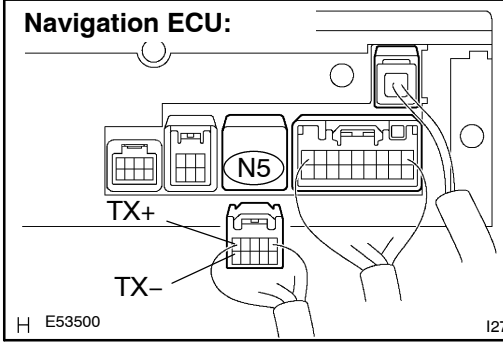
INSPECTION PROCEDURE

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

Television Camera ECU:



Navigation 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:

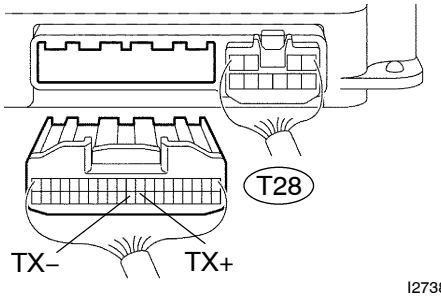
Tester connection	Condition	Specified condition
TX1+ (T28 –36) – TX+ (N5 –5)	Always	Below 1 Ω
TX1– (T28–35) – TX– (N5–10)	Always	Below 1 Ω
TX1+ (T28 –36) – Body ground	Always	10 k Ω or higher
TX1– (T28–35) – Body ground	Always	10 k Ω or higher

NG → **Repair or replace harness or connector.**

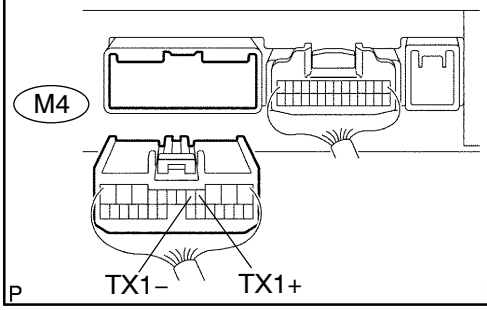
OK

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

Television Camera ECU:



Multi–display assembly:



OK

(a) Disconnect the T28 connector from the television camera ECU.

(b) Disconnect the M4 connector from the malti–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.**

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