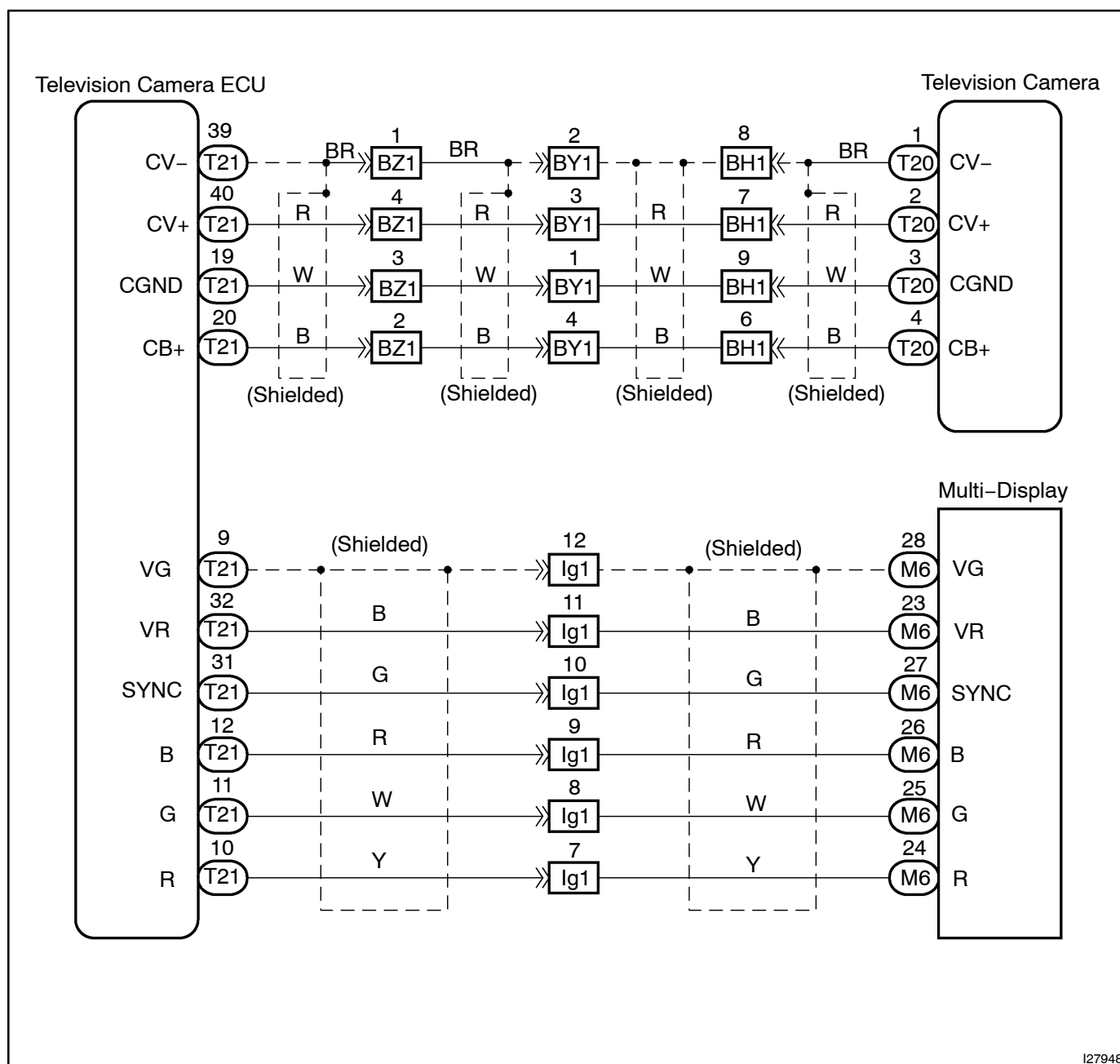


Display Signal Circuit

CIRCUIT DESCRIPTION

This is the display signal circuit from the multi-display controller sub-assembly to the multi-display assembly.

WIRING DIAGRAM

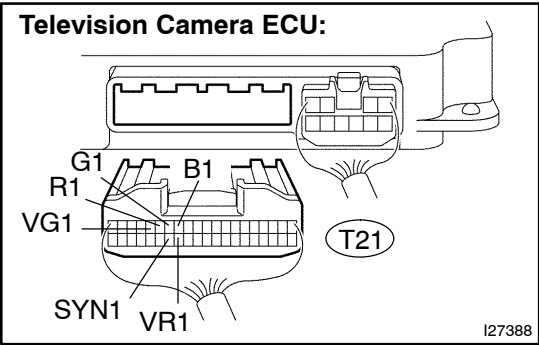
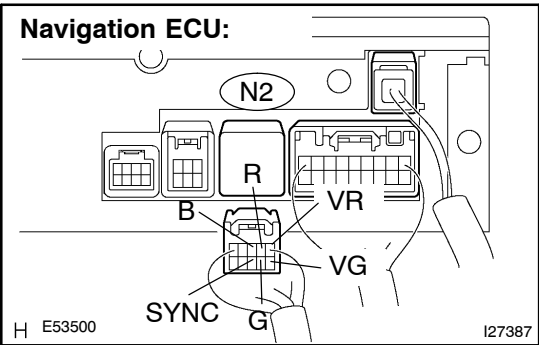


I27948

INSPECTION PROCEDURE

1

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



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

Standard:

Tester connection	Condition	Specified condition
R – R1	Always	Below 1 Ω
G – G1	Always	Below 1 Ω
B – B1	Always	Below 1 Ω
SYNC – SYN1	Always	Below 1 Ω
VR – VR1	Always	Below 1 Ω
VG – VG1	Always	Below 1 Ω
R – Body ground	Always	10 kΩ or higher
G – Body ground	Always	10 kΩ or higher
B – Body ground	Always	10 kΩ or higher
SYNC – Body ground	Always	10 kΩ or higher
VR – Body ground	Always	10 kΩ or higher

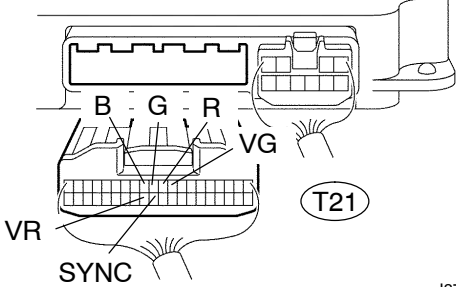
NG

Repair or replace harness or connector.

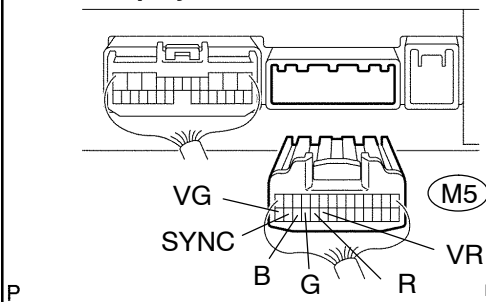
OK

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

Television Camera ECU:



Multi-display:



- Disconnect the connector from the television camera ECU and multi-display assembly.
- Measure the resistance according to the value(s) in the table below.

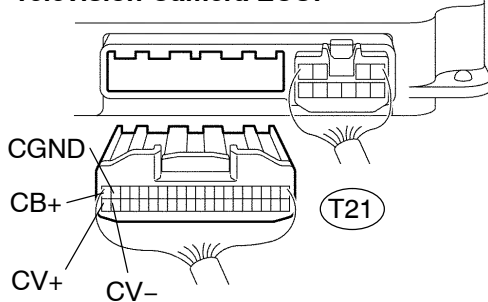
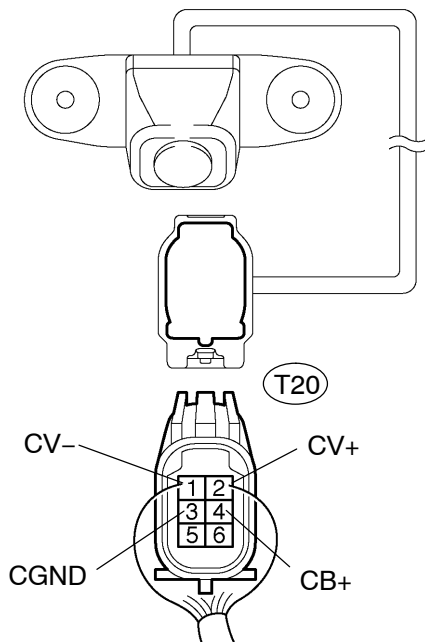
Standard:

Tester connection	Condition	Specified condition
R (T21-10) - R (M5-24)	Always	Below 1 Ω
G (T21-11) - G (M5-25)	Always	Below 1 Ω
B (T21-12) - B (M5-26)	Always	Below 1 Ω
SYNC (T21-31) - SYNC (M5-27)	Always	Below 1 Ω
VR (T21-32) - VR (M5-23)	Always	Below 1 Ω
VG (T21-9) - VG (M5-28)	Always	Below 1 Ω
R (T21-10) - Body ground	Always	10 k Ω or higher
G (T21-11) - Body ground	Always	10 k Ω or higher
B (T21-12) - Body ground	Always	10 k Ω or higher
SYNC (T21-31) - Body ground	Always	10 k Ω or higher
VR (T21-32) - Body ground	Always	10 k Ω or higher

NG

Repair or replace harness or connector.

OK

3**Check for open or short circuit in harness and connector between television camera ECU and television camera.****Television Camera ECU:****Television Camera assembly:**

N

I27778

- Disconnect the T21 connector from the television camera ECU.
- Disconnect the T20 connector from the television camera assembly.
- Measure the resistance according to the value(s) in the table below.

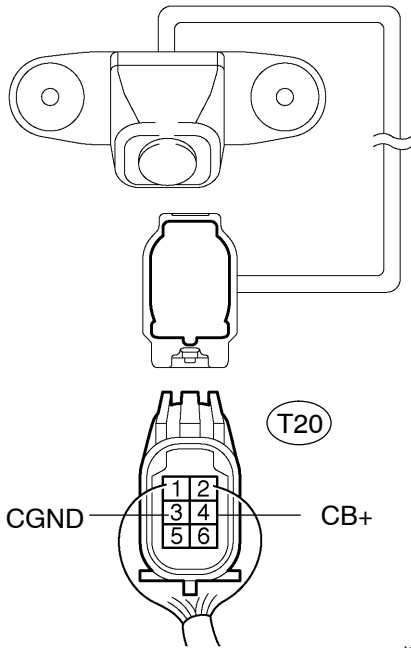
Standard:

Tester connection (Terminal No.)	Condition	Specified condition
CB+ (T21-20) – CB+ (T20-4)	Always	Below 1 Ω
CGND (T21-19) – CGND (T20-3)	Always	Below 1 Ω
CV+ (T21-40) – CV+ (T20-2)	Always	Below 1 Ω
CV- (T21-39) – CV- (T20-1)	Always	Below 1 Ω
CB+ (T21-20) – Body ground	Always	10 k Ω or higher
CGND (T21-19) – Body ground	Always	10 k Ω or higher
CV+ (T21-40) – Body ground	Always	10 k Ω or higher
CV- (T21-39) – Body ground	Always	10 k Ω or higher

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

4 Check voltage between terminals +CB and CGND of television camera.

Television Camera assembly:



- (a) Connect the T21 connector to the television camera ECU.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection (Terminal No.)	Condition	Specified condition
CB+ (T20-4) - CGND (T20-3)	IG SW ON, shift lever R position	Approx. 6 V

NG

Replace television camera ECU.

OK

Proceed to next circuit inspection shown in problem symptoms table. (See page [DI-1190](#))