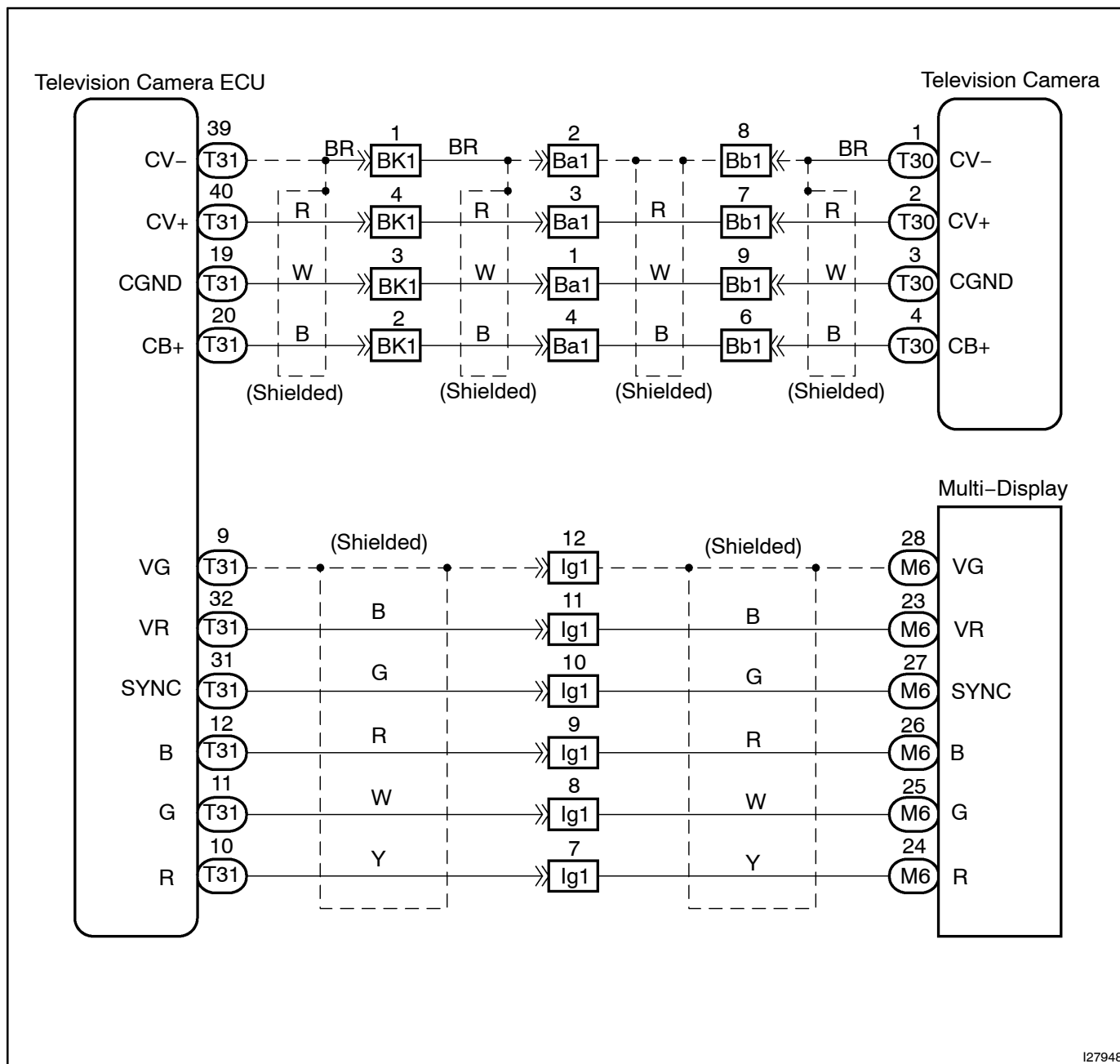


Display Signal Circuit

CIRCUIT DESCRIPTION

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

WIRING DIAGRAM

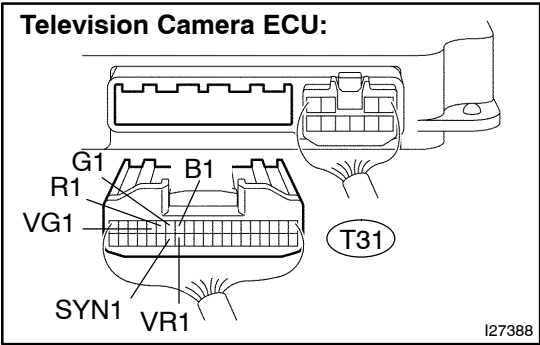
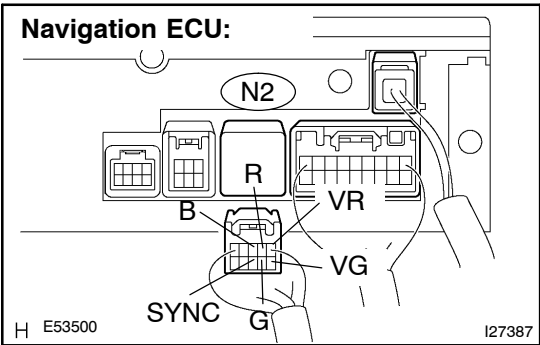


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INSPECTION PROCEDURE

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

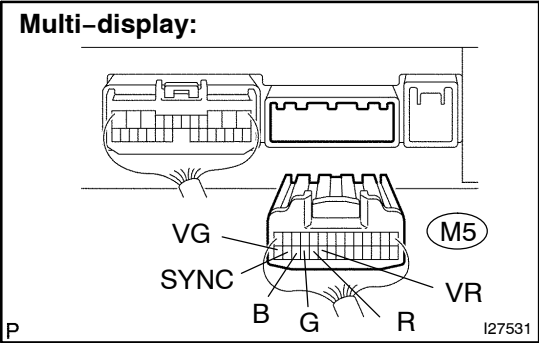
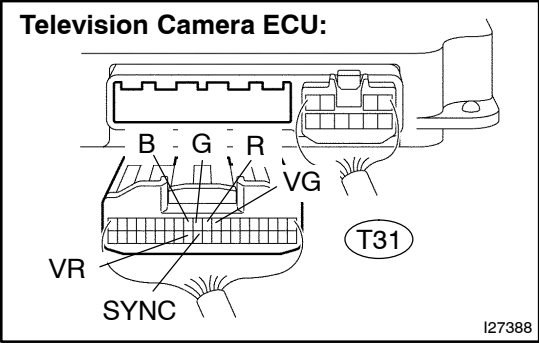
NG

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.



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

Standard:

Tester connection	Condition	Specified condition
R (T31-10) – R (M5-24)	Always	Below 1 Ω
G (T31-11) – G (M5-25)	Always	Below 1 Ω
B (T31-12) – B (M5-26)	Always	Below 1 Ω
SYNC (T31-31) – SYNC (M5-27)	Always	Below 1 Ω
VR (T31-32) – VR (M5-23)	Always	Below 1 Ω
VG (T31-9) – VG (M5-28)	Always	Below 1 Ω
R (T31-10) – Body ground	Always	10 kΩ or higher
G (T31-11) – Body ground	Always	10 kΩ or higher
B (T31-12) – Body ground	Always	10 kΩ or higher
SYNC (T31-31) – Body ground	Always	10 kΩ or higher
VR (T31-32) – Body ground	Always	10 kΩ or higher

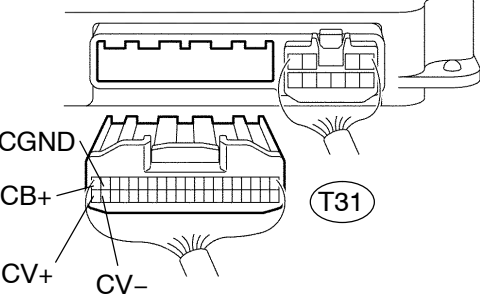
NG

Repair or replace harness or connector.

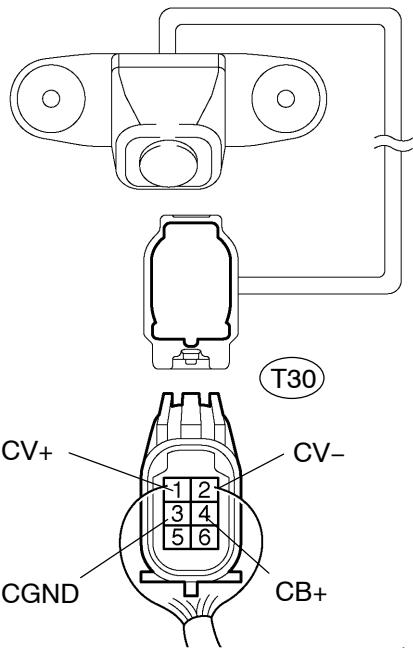
OK

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

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- (a) Disconnect the T31 connector from the television camera ECU.
- (b) Disconnect the T30 connector from the television camera assembly.
- (c) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection (Terminal No.)	Condition	Specified condition
CB+ (T31-20) - CB+ (T30-4)	Always	Below 1 Ω
CGND (T31-19) - CGND (T30-3)	Always	Below 1 Ω
CV+ (T31-40) - CV+ (T30-2)	Always	Below 1 Ω
CV- (T31-39) - CV- (T30-1)	Always	Below 1 Ω
CB+ (T31-20) - Body ground	Always	10 kΩ or higher
CGND (T31-19) - Body ground	Always	10 kΩ or higher
CV+ (T31-40) - Body ground	Always	10 kΩ or higher
CV- (T31-39) - Body ground	Always	10 kΩ or higher

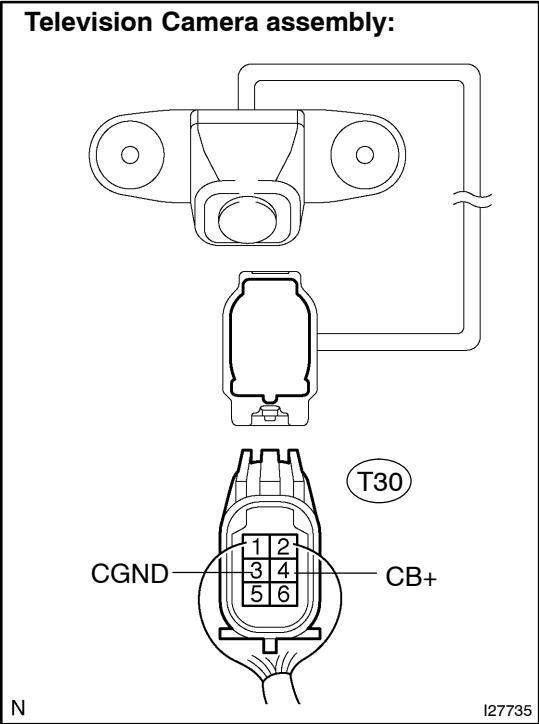
NG

Repair or replace harness or connector.

OK

4

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



- (a) Connect the T31 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+ (T30-4) – CGND (T30-3)	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-1730](#))