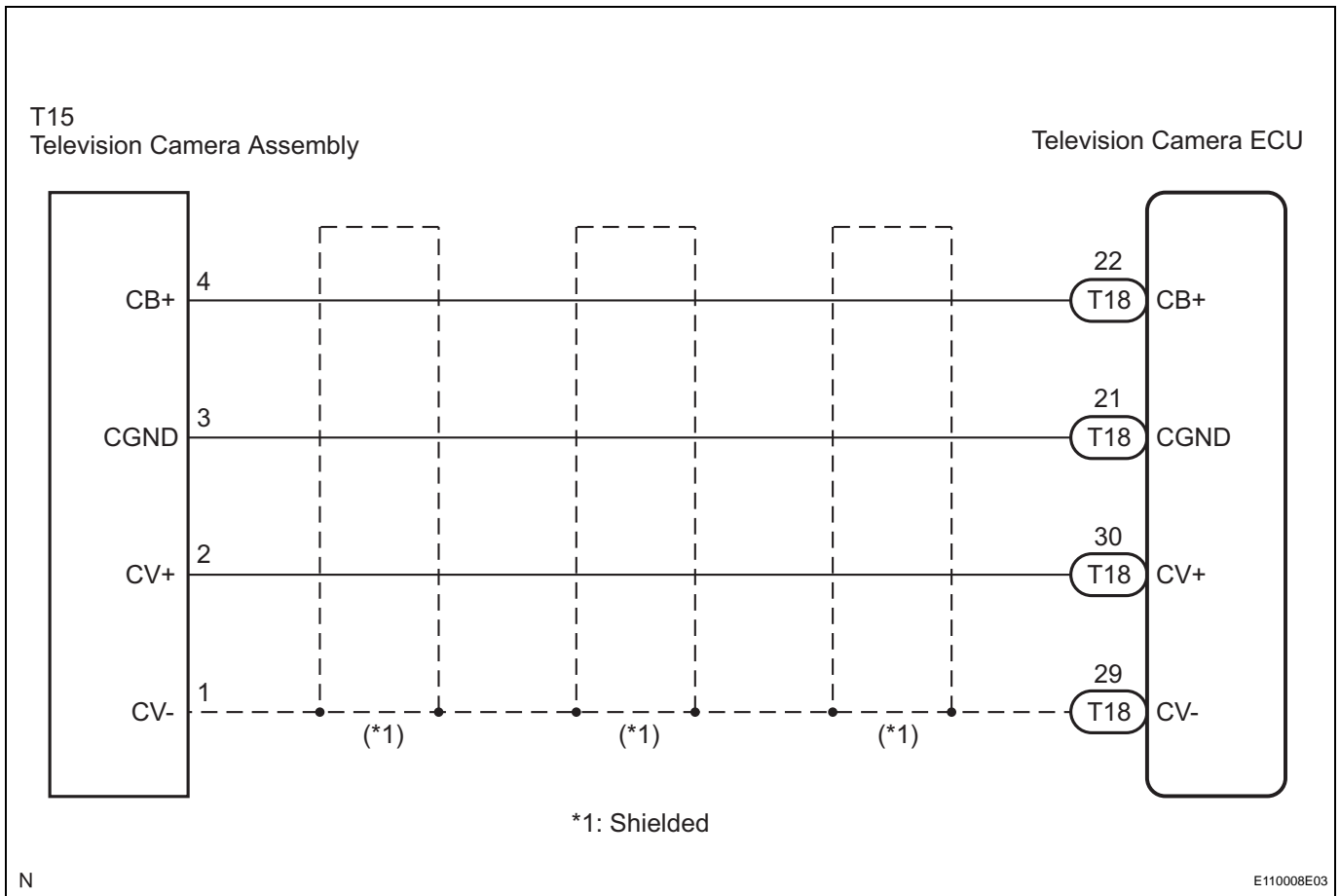


## Display Signal Circuit between Television Camera ECU and Television Camera Assembly

### DESCRIPTION

This is the display signal circuit of the television camera assembly.

### WIRING DIAGRAM



## 1 CHECK NAVIGATION DISPLAY

- (a) Check whether navigation display appears properly or not.

**OK:**

**The navigation display properly appears.**

**HINT:**

- When the navigation display has trouble, inspect the circuit between the television camera ECU and multi-display assembly (See page [NS-159](#)).
- When the navigation display is normal, inspect the circuit between the television camera ECU and television camera assembly by following the steps below.

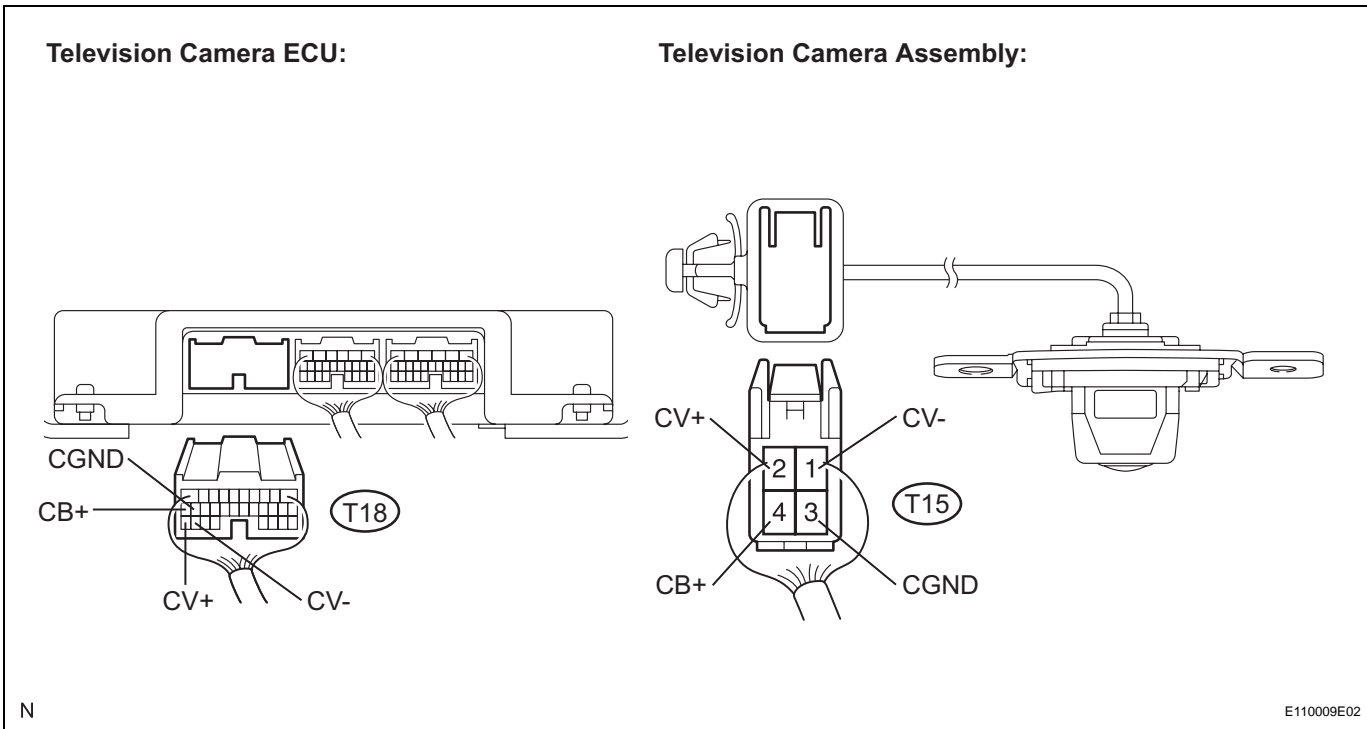
NG

**INSPECT "DISPLAY SIGNAL CIRCUIT" OF LEXUS NAVIGATION SYSTEM**

OK

**2 CHECK HARNESS AND CONNECTOR (TELEVISION CAMERA ECU AND TELEVISION CAMERA ASSEMBLY)**

- (a) Disconnect the T18 connector from the television camera ECU.
- (b) Disconnect the T15 connector from the television camera assembly.



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- (c) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

Tester connection (Terminal No.)	Condition	Specified condition
CB+ (T18-22) - CB+ (T15-4)	Always	Below 1 Ω
CGND (T18-21) - CGND (T15-3)	Always	Below 1 Ω
CV+ (T18-30) - CV+ (T15-2)	Always	Below 1 Ω
CV- (T18-29) - CV- (T15-1)	Always	Below 1 Ω
CB+ (T18-22) - Body ground	Always	10 kΩ or higher
CGND (T18-21) - Body ground	Always	10 kΩ or higher
CV+ (T18-30) - Body ground	Always	10 kΩ or higher
CV- (T18-29) - Body ground	Always	10 kΩ or higher

NG

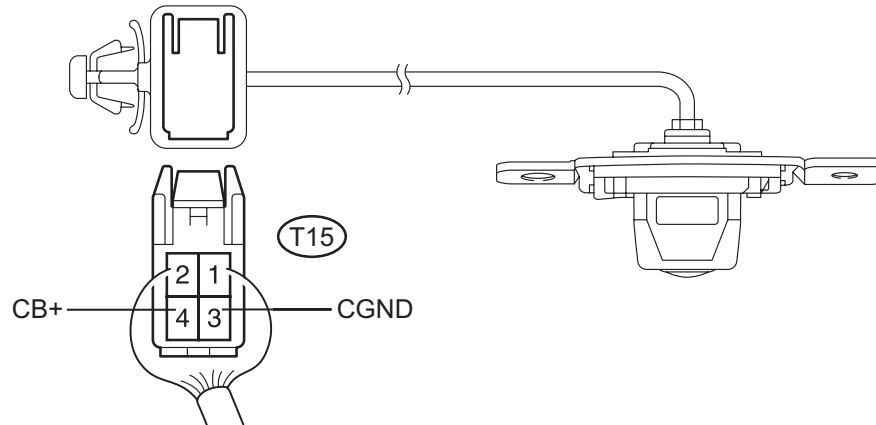
**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

**3 INSPECT TELEVISION CAMERA ECU**

- (a) Connect the T18 connector to the television camera ECU.

Television Camera Assembly:



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- (b) Measure the voltage according to the value(s) in the table below.

**Standard voltage**

Tester connection (Terminal No.)	Condition	Specified condition
CB+ (T15-4) - CGND (T15-3)	IG SW ON, shift lever R position	Approx. 6 V

NG

**REPLACE TELEVISION CAMERA ECU**

OK

PM

**4 REPLACE TELEVISION CAMERA ASSEMBLY**

- (a) After replacing the television camera assembly with a normally functioning assembly, check that the parking assist monitor system can operate normally.

**OK:**

**Malfunction disappears**

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**RETURN TO THE ORIGINAL INSPECTION FLOW BECAUSE THE CHECK RESULT IS NORMAL**

OK

**NORMAL (TELEVISION CAMERA ASSEMBLY DEFECTIVE)**