

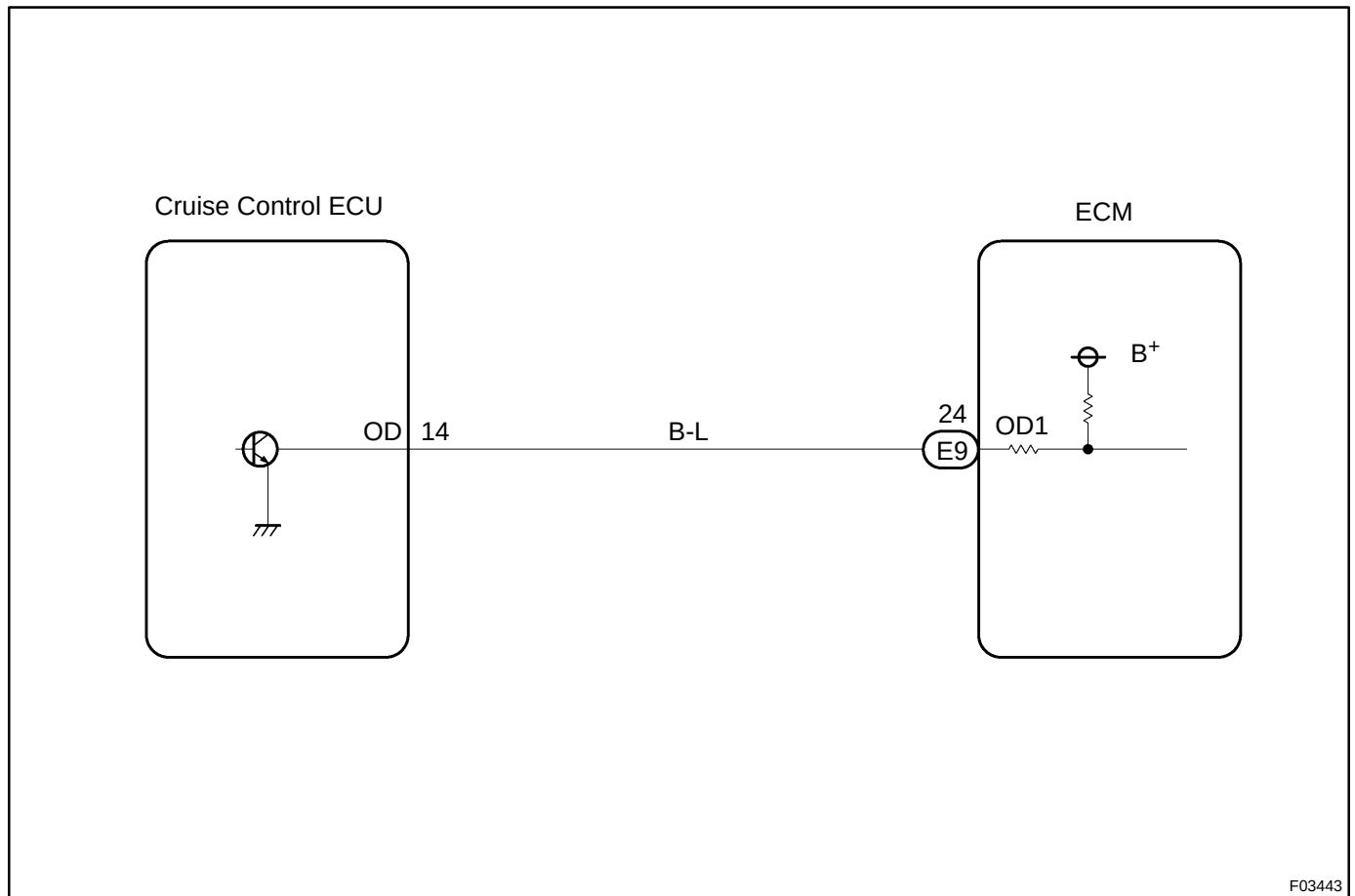
## O/D Cancel Signal Circuit

### CIRCUIT DESCRIPTION

While driving uphill with cruise control activated, in order to minimize gear shifting and provide smooth cruising overdrive may be prohibited temporarily under some condition.

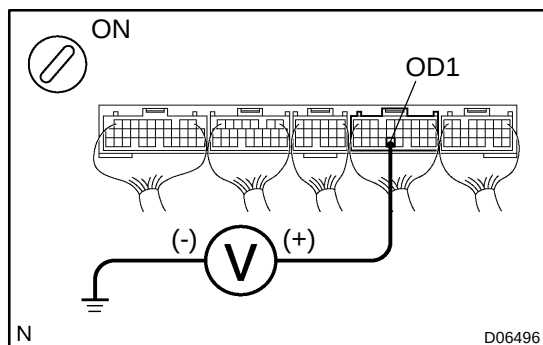
The cruise control ECU sends O/D cut signals to the ECM as necessary and the ECM cancels overdrive shifting until these signals are discontinued.

### WIRING DIAGRAM



## INSPECTION PROCEDURE

|          |                                                                   |
|----------|-------------------------------------------------------------------|
| <b>1</b> | <b>Check voltage between terminal OD1 of ECM and body ground.</b> |
|----------|-------------------------------------------------------------------|

**PREPARATION:**

Turn the ignition switch ON.

**CHECK:**

Measure voltage between terminal OD1 of ECM and body ground.

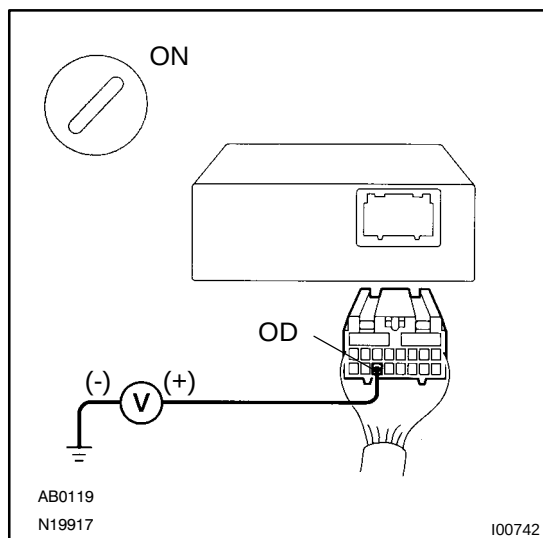
**OK:****Voltage: 10 - 14 V**

OK

Proceed to next circuit inspection shown in matrix chart (See page [DI-171](#)).

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|          |                                                                                                        |
|----------|--------------------------------------------------------------------------------------------------------|
| <b>2</b> | <b>Check voltage between terminal OD of cruise control ECU harness side connector and body ground.</b> |
|----------|--------------------------------------------------------------------------------------------------------|

**PREPARATION:**

- (a) Disconnect the cruise control ECU connector.
- (b) Turn the ignition switch ON.

**CHECK:**

Measure voltage between terminal O/D of cruise control ECU harness side connector and body ground.

**OK:****Voltage: 10 - 14 V**

OK

Check and replace the cruise control ECU.

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**Check harness and connector between cruise control ECU and ECM (See page IN-31 ).**

**Repair or replace the harness or connector.**

**Check and replace the ECM**  
(See page [IN-31](#) ).