

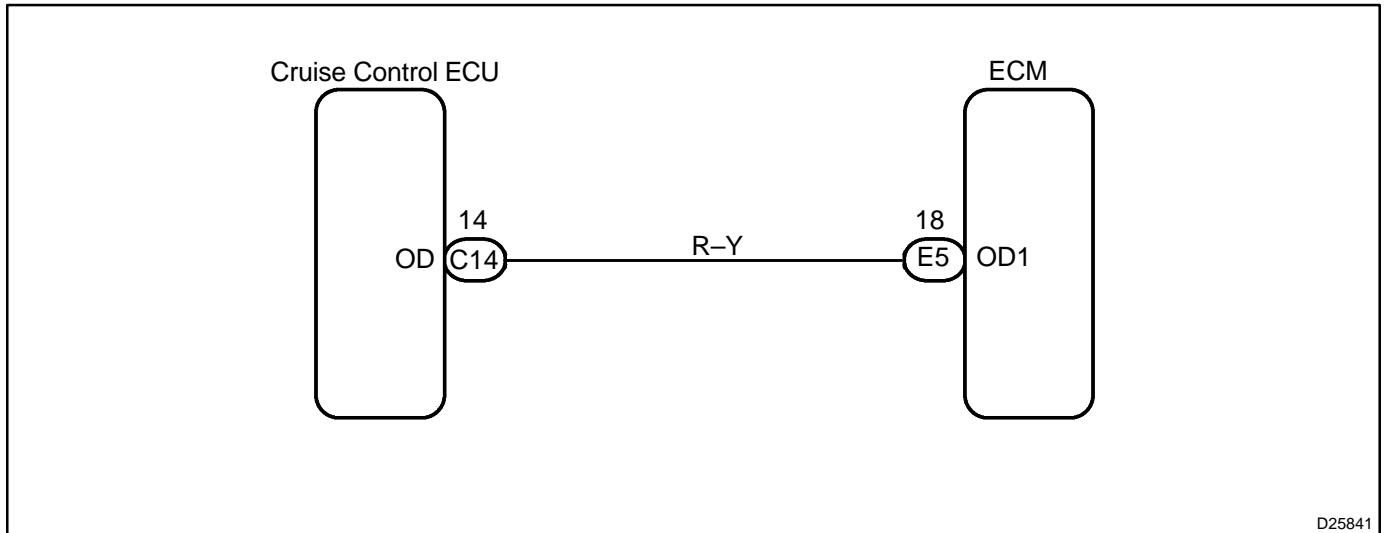
O/D CANCEL SIGNAL CIRCUIT

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 conditions.

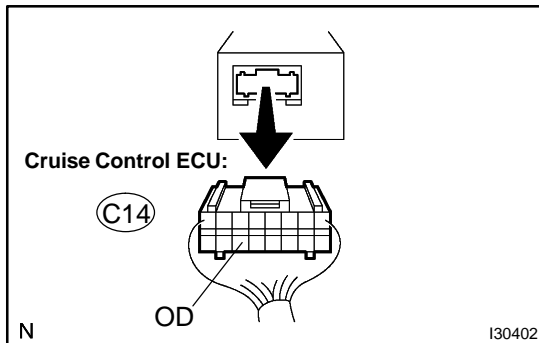
The cruise control ECU sends O/D cut signals to the ECM as necessary and the ECM cancels overdrive shifting until these signals are discontinued.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT TERMINAL VOLTAGE(OD – BODY GROUND)



- (a) Disconnect the cruise control ECU connector.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage between terminal OD of cruise control ECU and body ground.

Standard:

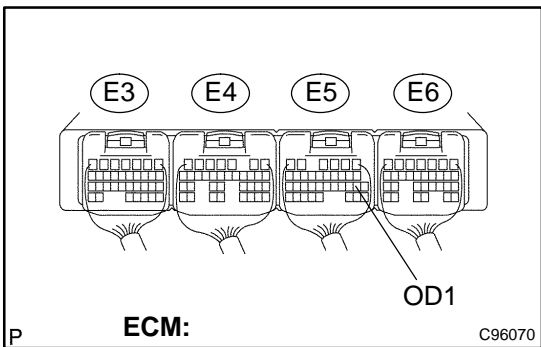
Condition	Tester Connection	Specified Condition
IG switch ON	C14 – 14 (OD) –	10 to 14 V
IG switch OFF	Body ground	Below 1 V

OK

CHECK AND REPLACE CRUISE CONTROL ECU ASSY (See page 05-752)

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2 | INSPECT TERMINAL VOLTAGE(OD1 – BODY GROUND)



- (a) Measure the voltage between terminal OD1 of ECM and body ground.

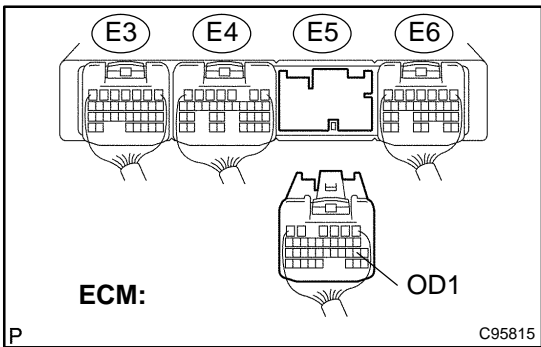
Standard:

Condition	Tester Connection	Specified Condition
IG switch ON	E5 – 18 (OD1) –	10 to 14 V
IG switch OFF	Body ground	Below 1 V

OK → **REPAIR OR REPLACE HARNESS OR CONNECTOR (See page 01-30)**

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3 | CHECK HARNESS AND CONNECTOR(OD1 – BODY GROUND)



- (a) Disconnect the ECM connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard (Check for short):

Tester Connection	Specified Condition
E5 – 18 (OD1) – Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (See page 01-30)**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-374)