

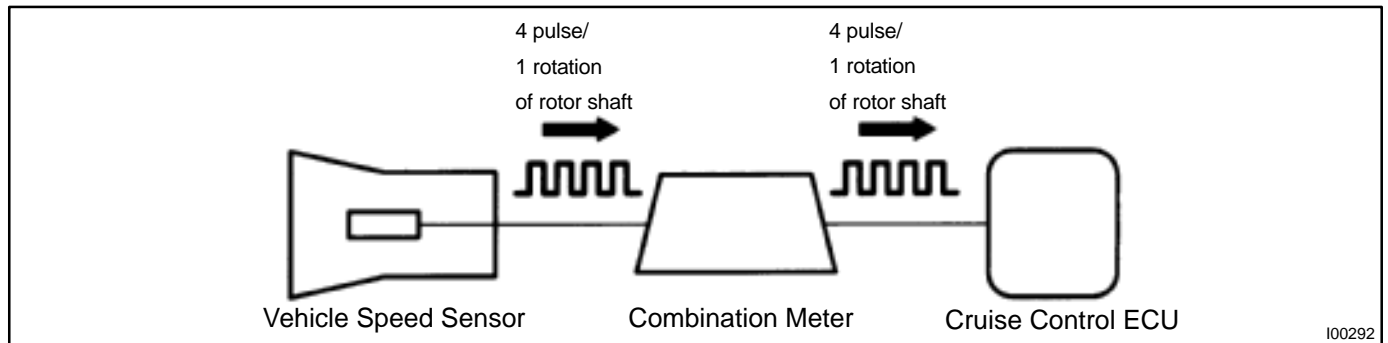
<b>DTC</b>	<b>21</b>	<b>Open in Vehicle Speed Sensor Circuit</b>
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## CIRCUIT DESCRIPTION

The vehicle speed sensor circuit is sent to cruise control ECU as vehicle speed signal.

For each rotation of the shaft, the vehicle speed sensor sends a signal through the combination meter to the cruise control ECU (See the following).

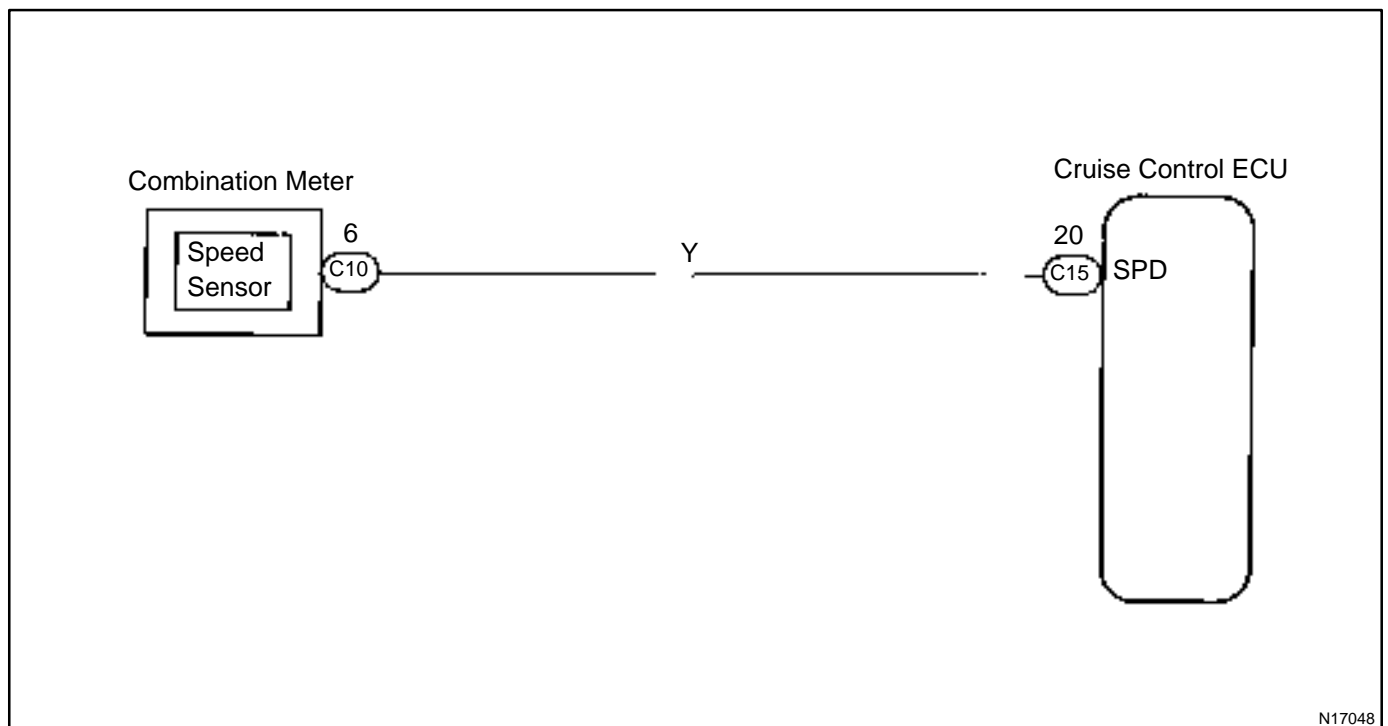
The ECU calculates the vehicle speed from this pulse frequency.



I00292

DTC No.	Detection Item	Trouble Area
21	Speed signal is not input to the cruise control ECU while cruise control is set.	<ul style="list-style-type: none"> <li>• Vehicle speed sensor</li> <li>• Combination meter</li> <li>• Cruise control ECU</li> </ul>

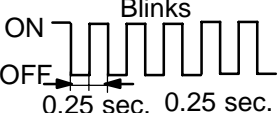
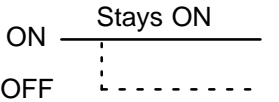
## WIRING DIAGRAM



N17048

**INSPECTION PROCEDURE**

<b>1</b>	<b>Input signal check.</b>
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Vehicle Speed	Indicator Light Blinking Pattern
Above 40 km/h (25 mph)	
Below 40 km/h (25 mph)	

**CHECK:**

- (a) See input signal check on page [DI-301](#).
- (b) Check indicator light operation when driving with vehicle speed above 40 km/h (25 mph), and with vehicle speed below 40 km/h (25 mph).

**OK:**

**Vehicle speed above 40 km/h (25 mph):**

**Indicator light blinks**

**Vehicle speed below 40 km/h (25 mph):**

**Indicator light stays on**

**OK**

**Check and replace cruise control ECU  
(See page [IN-27](#)).**

**NG**

<b>2</b>	<b>Check harness and connector between speed meter and cruise control ECU (See page <a href="#">IN-27</a>).</b>
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**NG**

**Repair or replace harness or connector.**

**OK**

<b>3</b>	<b>Check vehicle speed sensor (See page <a href="#">BE-35</a>).</b>
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**NG**

**Replace vehicle speed sensor.**

**OK**

**Check and replace cruise control ECU  
(See page [IN-27](#)).**