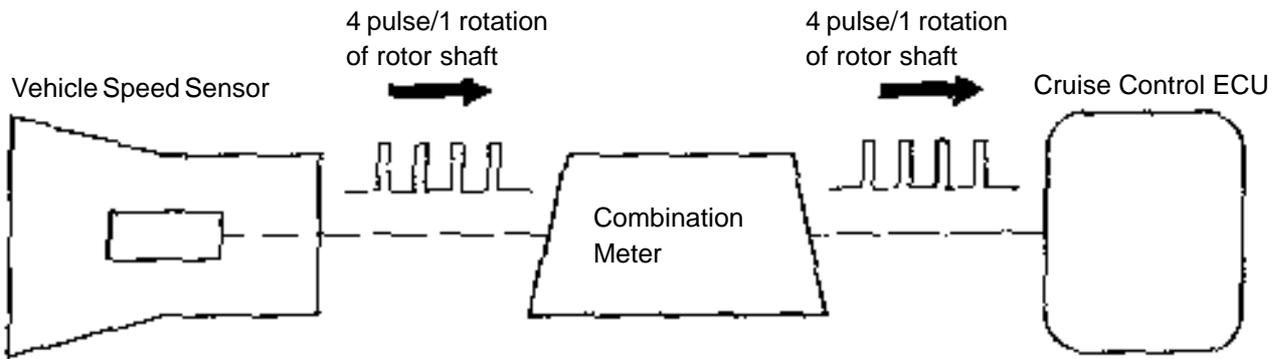


<b>DTC</b>	<b>21</b>	<b>Open in Vehicle Speed Sensor Circuit</b>
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**CIRCUIT DESCRIPTION**

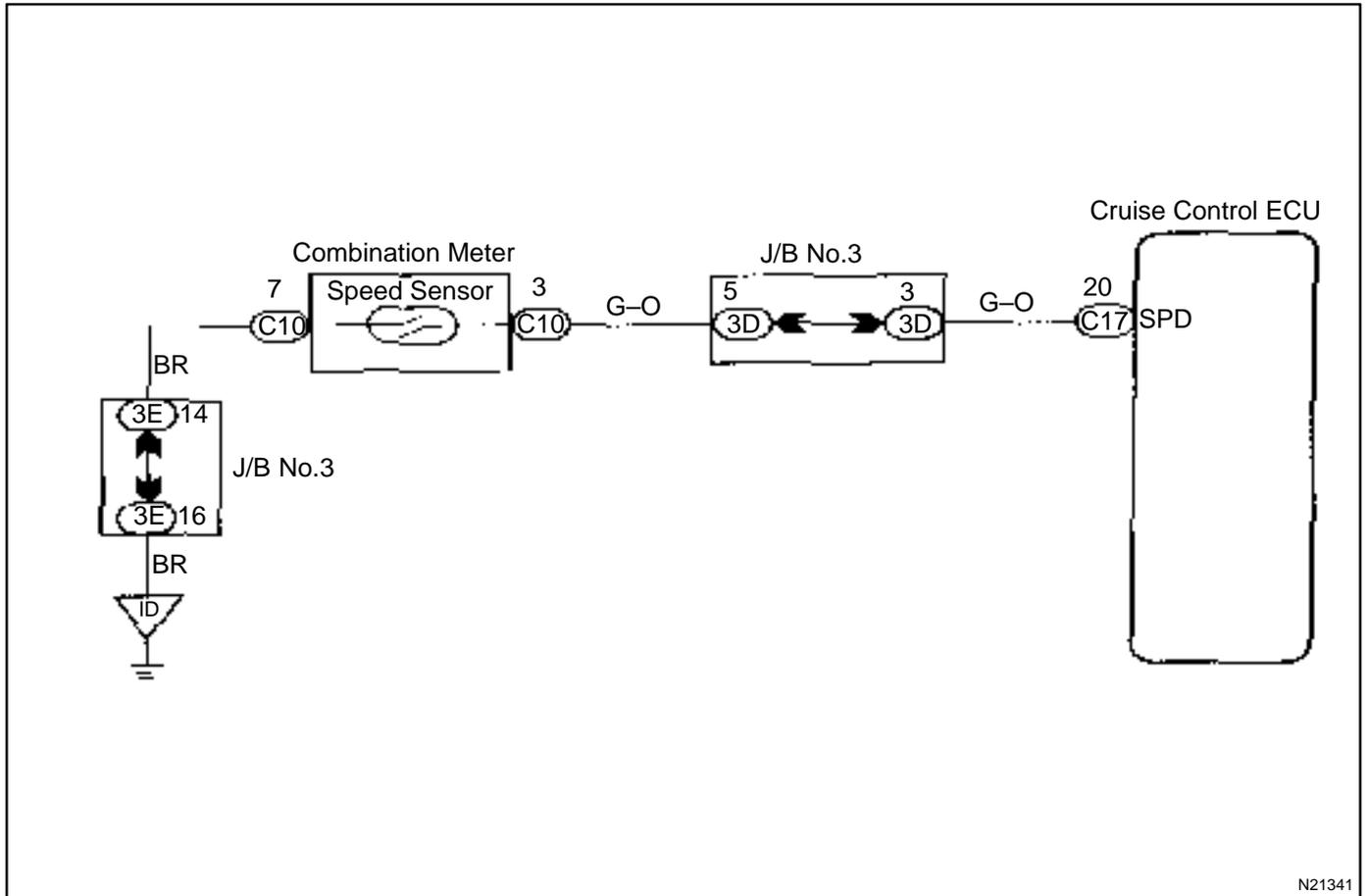
The signal from the vehicle speed sensor circuit is sent to cruise control ECU as vehicle speed signal. For each rotation of the shaft, the vehicle speed sensor sends a signal through the combination meter to the cruise control ECU (See the following illustration). The ECU calculates the vehicle speed from this pulse frequency.



I00736

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>• Harness or connector between vehicle speed sensor and combination meter, combination meter and cruise control ECU</li> <li>• Cruise control ECU</li> </ul>

**WIRING DIAGRAM**



N21341

**INSPECTION PROCEDURE**

<b>1</b>	<b>Input signal check.</b>
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Input Signal	Indicator Light Blinking Pattern
Drive at about 40 km/h (25 mph) or below	Light ON ——— OFF - - - -
Drive at about 40 km/h (25 mph) or higher	Light ON [Square Wave] OFF [Square Wave]

**CHECK:**

- (a) See input signal check on page [DI-559](#).
- (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-28](#)).

**NG**

**2** Check harness and connector between speed meter and cruise control ECU (See page [IN-28](#)).

**NG** Repair or replace harness or connector.

**OK**

**3** Check vehicle speed sensor (See page [BE-38](#)).

**NG** Replace vehicle speed sensor.

**OK**

Check and replace cruise control ECU (See page [IN-28](#)).