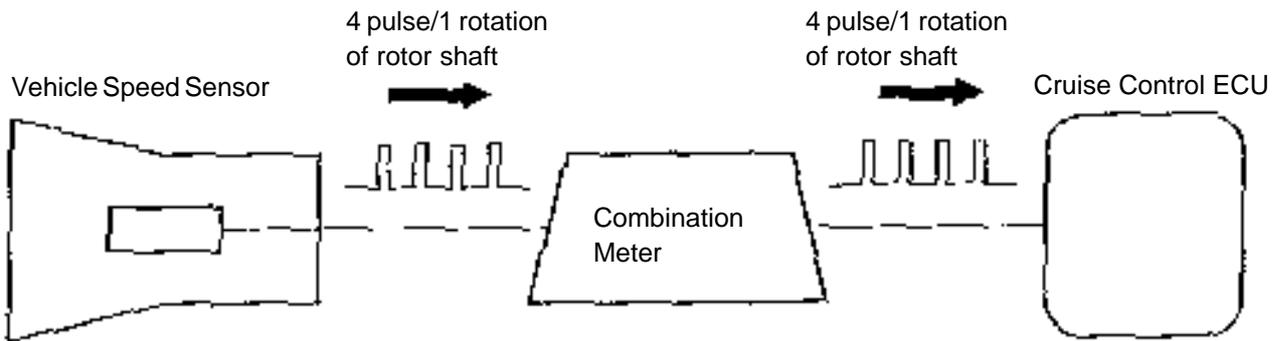


DTC	21	Open in Vehicle Speed Sensor Circuit
------------	-----------	---------------------------------------------

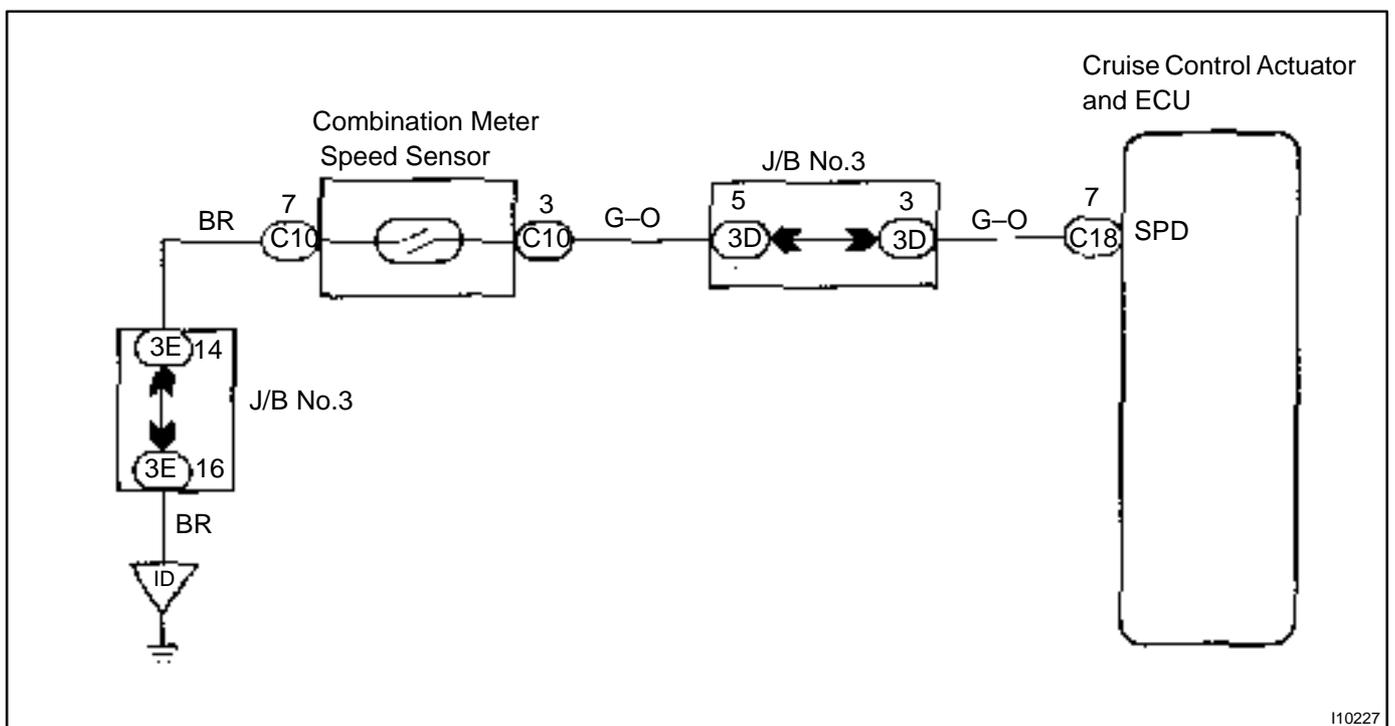
CIRCUIT DESCRIPTION

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 illustration). The ECU calculates the vehicle speed from this pulse frequency.



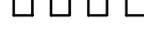
DTC No.	Detection Item	Trouble Area
21	Speed signal is not input to the cruise control ECU while cruise control is set.	<ul style="list-style-type: none"> • Harness or connector between combination meter and cruise control actuator and ECU • Speed sensor (in combination meter) • Combinationmeter • Cruise control actuator and ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Input signal check.
----------	----------------------------

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  OFF 

CHECK:

- (a) See input signal check on page [DI-612](#).
- (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 actuator and ECU (See page [IN-28](#)).

NG

2	Check harness and connector between combination meter and cruise control actuator and ECU (See page IN-28).
----------	------------------------------------------------------------------------------------------------------------------------------------

NG → Repair or replace harness or connector.

OK

3	Check speedometer circuit (See page BE-38).
----------	--------------------------------------------------------------------

NG → Repair or replace speed sensor or combination meter assembly.

OK

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