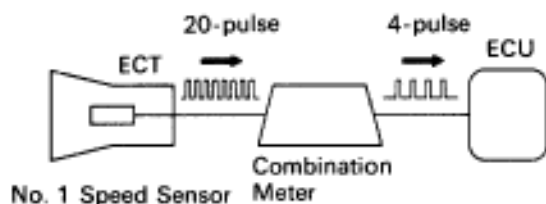
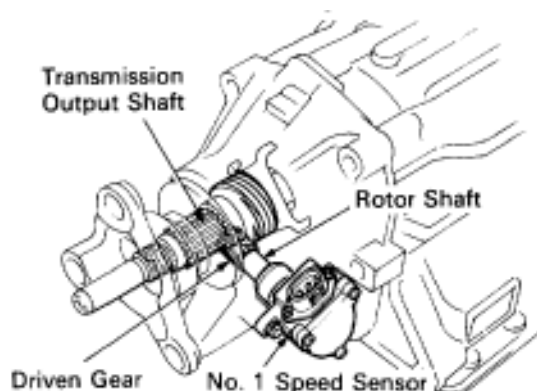


Diag. Code 42**Vehicle Speed Sensor Signal Circuit****— CIRCUIT DESCRIPTION —**

The No. 1 speed sensor outputs a 20-pulse signal for every revolution of the rotor shaft, which is rotated by the transmission output shaft via the driven gear. This signal is converted in the combination meter to 4-pulse signal by the pulse conversion circuit and then sent to the Engine & ECT ECU. The ECU determines the vehicle speed based on the frequency of these pulse signals.

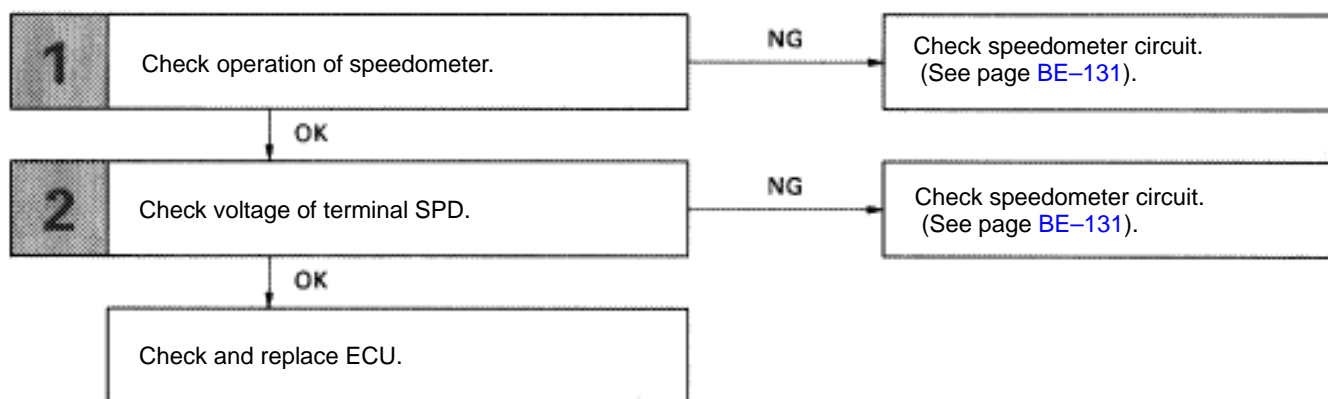
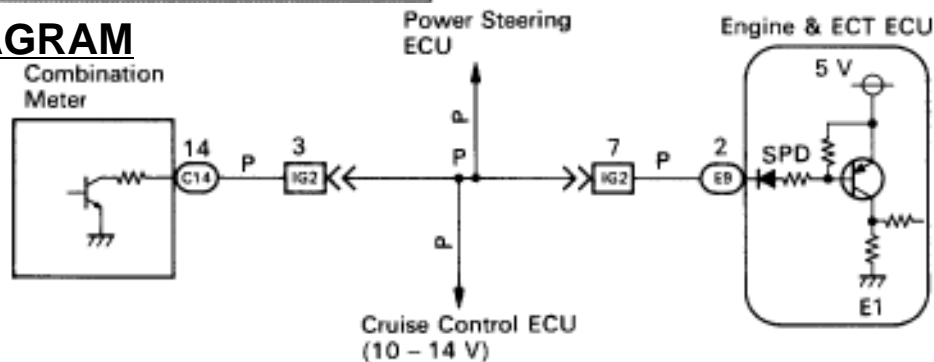


BE4057 SR3327



Code No.	Diagnostic Code Detecting Condition	Trouble Area
42	<p>All conditions below are detected continuously for 8 sec. or more.</p> <p>(a) Vehicle speed signal: 0 km/h (0 mph)</p> <p>(b) Engine speed: 1,500 rpm or more</p> <p>(c) Neutral start switch (NSW): OFF</p>	<ul style="list-style-type: none"> •No. 1 speed sensor. •Combination meter. •Open or short in No. 1 speed sensor circuit. •ECU

HINT: In test mode, diag. code 42 is output when vehicle speed is 5 km/h (3 mph) or below.

— DIAGNOSTIC CHART —**WIRING DIAGRAM**

F16446

1 Check operation of speedometer.

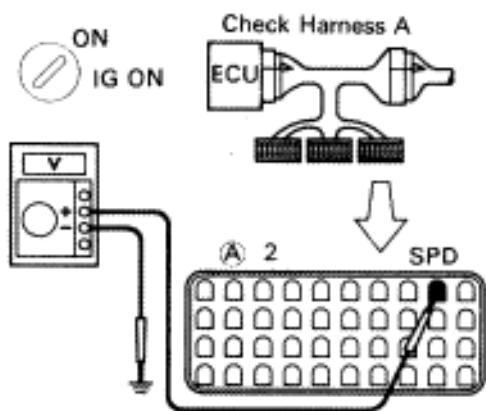
C Drive the vehicle and check if the operation of the speedometer in the combination meter is normal.

Hint The No. 1 speed sensor is operating normally if the speedometer display is normal.

OK

NG

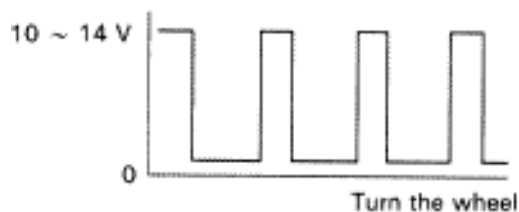
Check speedometer circuit. See combination meter troubleshooting on page [BE-131](#).

2 Check voltage between terminal SPD of engine & ECT ECU connector and body ground.

- P**
- (2) Shift the shift level to N range.
 - (2) Jack up a read wheel on one side.
 - (2) Connect the Check Harness A.
(See page [TR-30](#))
 - (2) Turn ignition switch on.

C Measure voltage between terminal SPD of engine & ECT ECU connector and body ground when the wheel is turned slowly.

OK Voltage is generated intermittently.



109

OK

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Check speedometer circuit. See combination meter troubleshooting on page [BE-131](#).

Check and replace engine & ECT ECU.