

# PGM-CARB Control System

## Troubleshooting Flowchart — Vehicle Speed Sensor



Self-diagnosis LED indicates code 2: A problem in the Vehicle Speed Sensor circuit.

LED indicates CODE 2.

Connect the ECU test harness between the control unit and connector (page 6-16).

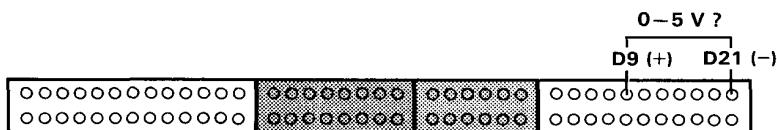
Block rear wheels and set the parking brake. Jack up the front of the car and support with safety stands.

Turn the ignition switch ON.

Slowly rotate left front wheel and measure voltage between D9 (+) terminal and D21 (-) terminal.

**WARNING** Block rear wheels before jacking up front of car.

NOTE: Because it is an inter-related system, a leak in the vacuum switch or its hose may cause a "false" code 2 indication.



Does voltage pulse 0V and 5V ?

NO

Turn the ignition switch OFF.

Disconnect connector from the control unit only, not the wire harness.

Turn the ignition switch ON.

Slowly rotate left front wheel and measure voltage between D9 (-) terminal and A25 (+) terminal.

Does voltage pulse 0V and 12V ?

NO

— Repair open or short in WHT/BLU wire between control unit (D9) and the speed sensor.  
— Replace speed sensor.

YES

Substitute a known-good control unit and recheck. If prescribed voltage is now available replace the original control unit.

— Raise the engine speed to 3,000 min<sup>-1</sup> (rpm) with no load, then check if the LED indicates CODE 2. If LED indicates CODE 2, repair vacuum leak in #7 hose or in vacuum switch.  
— Substitute a known-good control unit and recheck. If prescribed voltage is now available replace the original control unit.

0-12 V ?

