



## Troubleshooting Flow Chart — Vehicle Speed Sensor



Self-diagnosis LED indicator blinks two times: A problem in the Vehicle Speed Sensor circuit.

LED indicates CODE 2.

Connect the ECU check adaptor A and B between the control unit and connector.

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 A5 (+) terminal and B8 (-) terminal.

Does voltage pulse 0V and 5V?

NO

Turn the ignition switch OFF.

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

Turn the ignition switch ON.

- Raise the engine speed to  $3,000 \text{ min}^{-1}$  (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.

Slowly rotate left front wheel and measure voltage between B7 (+) terminal and A5 (-) terminal.

Does voltage pulse 0V and 12V?

NO

YES

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

- Repair open or short in WHT/BLU wire between control unit (A5) and the speed sensor.
- Faulty speed sensor.

NOTE: Because it is an inter-related system, a leak in the vacuum switch or its hose (page 6-50) may cause a "false" code 2 indication.

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

