

# PGM-FI Control System

## Troubleshooting Flowchart — Vehicle Speed Sensor



Self-diagnosis LED indicates code 17: A problem in the Vehicle Speed Sensor circuit.

- Check Engine warning light has been reported on.  
- LED indicates CODE 17.

Turn the ignition switch OFF.

Remove HAZARD fuse in the main fuse box for 10 seconds to reset ECU.

Road test<sup>2</sup> necessary:  
In 2<sup>nd</sup> gear accelerate to 3,500 min<sup>-1</sup> (rpm) and decelerate to 1,500 min<sup>-1</sup> (rpm) with throttle fully closed.

Is Check Engine warning light and does LED indicate CODE 17?

NO

Intermittent failure, system is OK at this time.  
Check for poor connections or loose wires.

YES

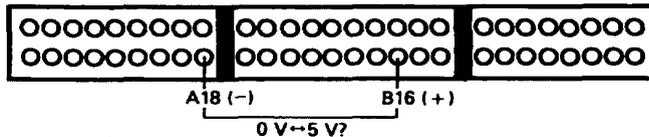
Block rear wheels and set the parking brake. Jack up the front of the car and support with safety stands.

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

Connect the PGM-FI test harness between the ECU and connector (page 6-61).

Turn the ignition switch ON.

Slowly rotate left front wheel and measure voltage between B16 (+) terminal and A18 (-) terminal.



Does voltage pulse 0V and 5V?

NO

- Repair open or short in YEL/RED wire between ECU (B16) and the speed sensor.  
- Faulty speed sensor.  
- Substitute a known-good ECU and recheck. If symptom/indication goes away, replace the original ECU.

YES

Substitute a known-good ECU and recheck. If symptom/indication goes away, replace the original ECU.