

PGM-FI Control System

Troubleshooting Flowchart — MAP Sensor



Self-diagnosis LED indicator blinks five times: Most likely a mechanical problem (broken hose) in the Manifold Absolute Pressure (MAP) Sensor system.



- Check Engine warning light has been reported on.
- LED indicates CODE 5.

Turn the ignition switch OFF.

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

Start the engine.

Is Check Engine warning light on and does LED indicate CODE 5?

NO

YES

Stop engine.

Connect vacuum pump to #21 hose and apply vacuum.

Does it hold vacuum?

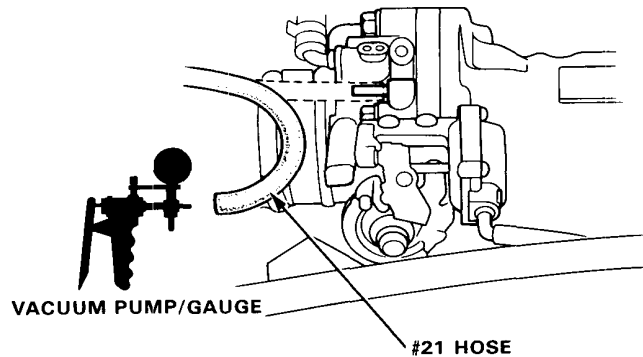
NO

YES

Disconnect #21 hose from the throttle body and connect a T-fitting from a vacuum gauge between the throttle body and MAP sensor.

Start engine.

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VACUUM PUMP/GAUGE

#21 HOSE

- Intermittent failure, system is OK at this time (test drive may be necessary).
- Check vacuum hoses, pipes, and connections.
- Make sure all connectors are secure.

Connect a vacuum pump to the MAP sensor and apply vacuum.

Does it hold vacuum?

NO

YES

Replace #21 hose.

Replace MAP sensor.



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