

## VVT SOLENOID

### What does a Variable Valve Timing Solenoid do?

The Variable Valve Timing Solenoid (VVT) controls the oil flow to control the action of the Sprocket, which shifts the position of the camshaft. The position is varied based on the car's computer commands to increase or decrease the engine's valve timing.

### Where are Variable Valve Timing Solenoids located?

The VVTs are usually located on or around the cylinder head block.

### Will a malfunctioning Variable Valve Timing Solenoid illuminate the check engine light or affect vehicle operation?

Yes, a malfunctioning VVTs may cause the check engine light to be illuminated and may trigger multiple codes.

### What are the common causes of failure?

VVTs can fail due to low engine oil levels, clogs due to oil sludge, and/or irregularly changed engine oil and filters.

### How to determine if Variable Valve Timing Solenoids are malfunctioning:

Possible indications of a malfunctioning or failed VVTs include: an illuminated check engine light, engine noise and/or stalling, rough idling, and general poor performance.

### What makes Holstein Variable Valve Timing Solenoids the best?

- Holstein focuses on using only the highest quality materials, manufactured to exacting standards for an aftermarket product that is truly built to match or exceed the OE part
- Holstein Variable Valve Position Sensor line has superior coverage for domestic and import applications
- Designed to maximize engine performance and fuel efficiency
- 3 Year / 36,000 Mile Warranty on all Holstein Parts VVT Sensors