

VVT-i

The VVT-i high tech system reliably conveys the driver's intentions to the engine.

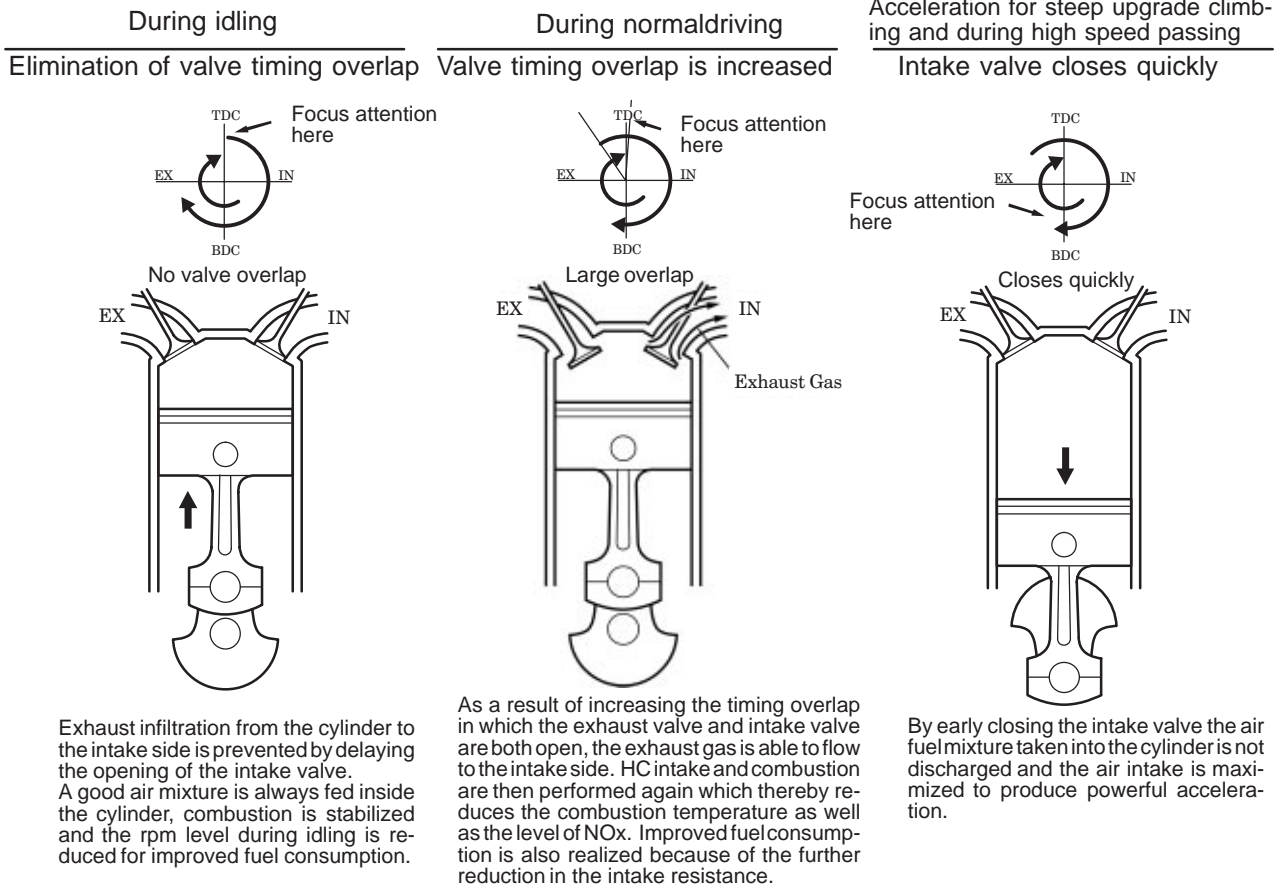
Responsive driving in city traffic, smooth acceleration on the highway, and the highest fuel efficiency in class are all realized in a single package.

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What is VVT-i (Variable Valve Timing-intelligent)

The open/close timing of the valves is controlled by computer in accordance with driving conditions such as the engine speed and acceleration level. Smooth air intake and exhaust are achieved and there is significant improvement in the low and midrange torque band. The driver is able to experience the sensation of comfortable acceleration on demand since the engine responds faithfully as the driver presses down on the accelerator. VVT-i not only makes responsive handling possible but also makes a major contribution to improved fuel economy and cleaner exhaust emissions.

Effect of continuous valve timing changes



**SALES
POINT**

With the VVT-i, the valve timing continuously changes to allow the engine to function like a low to moderate speed engine when driving at low to moderate speeds and to function like a high speed engine when driving at high speed. Increased torque is realized in all rpm ranges; improved fuel efficiency and cleaner exhaust emissions are achieved as well.