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# Variable Valve Timing And Lift Technical Paper

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Variable Valve Event and Lift. Nissan Variable Valve Event and Lift (commonly abbreviated as VVEL) is an automobile variable valve timing technology developed by Nissan . Nissan VK50VE Engine. Nissan VVEL was first introduced to the US market in late-2007 on the 2008 Infiniti G37 Coupe sporting the new "VVEL" VQ37VHR engine (VQ37VHR motor specs: 11.0:1 CR, 95.5mm bore, 86mm stroke, 7500rpm redline).

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*Variable Valve Timing Explained - Like Never Before*

*Variable Valve Timing \u0026 Lift Electronic Control* **BMW VVT Vanos CAM Timing Variable Valve Timing And Lift**

In internal combustion engines, variable valve timing (VVT) is the process of altering the timing of a valve lift event, and is often used to improve performance, fuel economy or emissions. It is increasingly being used in combination with variable valve lift systems. There are many ways in which this can be achieved, ranging from mechanical devices to electro-hydraulic and camless systems.

### **Variable valve timing - Wikipedia**

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which employs fixed valve lift amounts, and continuous, which is able to vary the amount of lift. Continuous valve lift systems typically allow for the elimination of the throttle valve. When used in conjunction with variable valve timing, variable valve lift can potentially offer infinite contro

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### **Variable Valve Timing (VVT)**

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### **Automotive Variable Valve Timing & Lift Explained eBook ...**

Variable valve timing and lift can make a gasoline engine about 5 percent more efficient. © iStockphoto.com /MACIEJ NOSKOWSKI One way car makers are updating gasoline engines is with variable valve timing and lift. To understand how this works, you'll need a basic understanding of how a car engine works.

### **5 New Gas Engine Technologies | HowStuffWorks**

The VVT or variable valve timing is and always will be one of the most noted breakthroughs in the history on automotive innovation. In modern cars VVT systems are used for improve performance and fuel economy by altering the valve lift event.

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Variable valve timing and lift can make a gasoline engine about 5 percent more efficient. © iStockphoto.com /MACIEJ

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