

Vtec Engine Explanation

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Vtec Engine Explanation

As the engine moves into different rpm ranges, the engine's computer can activate alternate lobes on the camshaft and change the cam's timing. In this way, the engine gets the best features of low-speed and high-speed camshafts in the same engine. Several of the links below go into the actual mechanics of the VTEC system if you are interested.

What does the VTEC system in a Honda engine do ...

The story of the VTEC engine has its origins in the 1980s. Back then, Honda was a fairly new car company, building on its reputation as a builder of the CB street bike series.

Honda VTEC Engines Explained - autoevolution

Here's A Cool And Quick Explanation Of How VTEC Really Works. Andrew P. Collins ... Instead of exploring every complexity and nuance that makes each Honda engine equipped with Variable valve ...

Here's A Cool And Quick Explanation Of How VTEC Really Works

VTEC (Variable Valve Timing & Lift Electronic Control) is a system developed by Honda to improve the volumetric efficiency of a four-stroke internal combustion engine, resulting in higher performance at high RPM, and lower fuel consumption at low RPM. The VTEC system uses two (or occasionally three) camshaft profiles and hydraulically selects between profiles.

VTEC - Wikipedia

On i-VTEC engines, the engine computer also monitors cam position, intake manifold pressure, and engine rpm, then commands the VTC (variable timing control) actuator to advance or retard the cam ...

Honda Vtec Engines - Explanation & Overview - hotrod.com

VTEC allows for differing cam profiles, meaning different valve lift and duration, depending on the engine RPM. This video will dissect a Honda Civic Type R engine to show the ins and outs of how ...

How VTEC Works - A Simple Explanation

A couple of gripes with Mr. Church's explanation; 1. The 3 stage VTEC engine is a SOHC and comes in the JDM Civic Sedan (Ferio). 2. I don't know what was meant by the VTEC lobes being "supported" by the lost motion assemblies.

Reference: VTEC Fully Detailed Explanation | ClubCivic.com ...

The pinnacle of VTEC implementation is the DOHC VTEC engine. The first engine to benefit from VTEC is the legendary B16A, a 1595cc inline-4 16Valve DOHC engine with VTEC producing 160ps and first appearing in 1989 in the JDM Honda Integra XSi and RSi.

VTEC Explained - JDMCars.com

VTEC allows for differing cam profiles, meaning different valve lift and duration, depending on the engine RPM. This video will dissect a Honda Civic Type R engine to show the ins and outs of how VTEC works. The Type R, unlike many previous performance Honda engines, only has VTEC on the exhaust side, with just a single cam profile for the intake.

Engineering Explained - How VTEC Works - A Simple ...

VTEC, or variable valve timing and lift electronic control is used to increase airflow within an engine cylinder at high rp... Skip navigation Sign in. ... A Simple Explanation - Duration: ...

How VTEC Works - Honda Horsepower!

VTEC (Variable Valve Timing and Lift Electronic Control) is a system developed by Honda to improve the volumetric efficiency of a four-stroke internal combustion engine (i.e. improved economy). The VTEC system uses two camshaft profiles and hydraulically selects between profiles. It was invented by Honda engineer Ikuo Kajitani.

What is an i-VTEC engine? - Quora

What exactly is Honda's i-VTEC technology. Ask Question 6. 0. ... Since the size of the port is a tuned parameter, using a bigger hole all the time will result in the engine running rough. So vtec's switch between two distinct cam profiles which is selected by the ecu depending on the RPM. There is a distinct surge that can be felt at the ...

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