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VVT-i - Wikipedia

VVT-i, or Variable Valve Timing with intelligence, is an automobile variable valve timing technology developed by Toyota. It was first introduced in 1995 with the 2JZ-GE engine found in the JZS155 Toyota Crown and Crown Majesta. The VVT-i system replaces the previous Toyota VVT system first introduced in 1991 with the five-valve per cylinder 4A-GE "Silver Top" engine …

VTEC vs VVT-i - Difference and Comparison | Diffen

VTEC and VVT-i systems were developed by Honda and Toyota respectively in order to improve the efficiency of car engines. VTEC (Variable Valve Timing and Lift Electronic Control) is a valvetrain system developed by Honda that allows engines to achieve turbo level specific output without the bad fuel efficiency that turbocharging normally introduces.

Toyota Develops New VVT-i Engine Technology

Jun 19, 1995 · VVT-i is comprised of three major components: (1) the electronic control unit (ECU), which calculates optimum intake valve timing based on engine operating conditions; (2) the oil control valve (OCV), which controls hydraulic pressure under the ECU's instruction; and (3) the WT pulley, which continuously changes the intake valve timing using hydraulic pressure.

What is VVT | Variable Valve Timing (VVT) Diagram

variable valve timing for four cylinder engine diagram. Variable valve timing optimises the overlap period during engine operation. It allows different overlap periods to be used at different engine speeds. Practically, VVT systems are used to enable good power or torque to be achieved over the whole engine speed range but the added benefit of ...

What Is VVT and Should It Be Disabled? - MotorTrend

Jan 11, 2021 · Removing VVT from the engine with a kit (like BTR's here) will allow more flexibility for aggressive cams and stronger valvetrain components. In the case of the Gen IV LS, VVT is completely ...

How Toyota VVT-i system works in engine - YouTube

How VVT-i system works Toyota engine. Detail info how VVT-i system works and also all parts disassembly. Similar parts are also is the systems: VVTL-i, Dual VVT-i, VVT-iE, and Valvematic.

How Toyota's VVT-i System Works - Olathe Toyota Parts Center

Toyota's Variable Valve Timing with Intelligence (VVT-i) is the company's latest-generation variable valve timing (VVT) for engine modulation and control. VVT itself was introduced in 1991 in the 4AGE engine, which features 5-valves per cylinder, and a two-stage, hydraulically-controlled cam phasing system and it quickly proliferated to most of Toyota's engine lineup.

(VVT) Variable Valve Timing – How Does It Work - Danny's ...

Jun 13, 2022 · (VVT-i) – Variable Valve Timing Furthermore, Dual (VVT) Helps To Provide: Greater fuel economy, at all engine speeds. Greater low-speed torque, with less chance of power-robbing engine “knock”. Superior horsepower at higher engine speeds, without excess noise and vibration. Reduced emissions, at all engine speeds.

What is a VVT-i Engine? | Cars.com

Jun 6, 2021 · VVT-i stands for Variable Valve Timing-Intelligence, which is Toyota’s name for the variable-valve technology it uses in most of its vehicles. Opens website in a new tab Cars for Sale

VVT-i - Wikipedia

VVT-i （ V ariable V alve T iming- i ntelligent system[illegible]. [illegible]VVT[illegible]VVT-i[illegible] [illegible] [illegible]. [illegible] [illegible] [illegible]. [illegible] ...

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