

## **Dtc P2440 Secondary Air Injection System Switching Valve**

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## **Dtc P2440 Secondary Air Injection**

P2440 is a diagnostic trouble code (DTC) for "Secondary Air Injection System Switching Valve Stuck Open Bank 1". This can happen for multiple reasons and a mechanic needs to diagnose the

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## Secondary Air Injection System

### Switching Valve

specific cause for this code to be triggered in your situation.

#### **P2440 OBD-II Trouble Code: Secondary Air Injection System ...**

Error Code P2440 is defined as Secondary Air Injection System Switching Valve Stuck Open Bank 1. This indicates a stuck open problem in the switching valve of the secondary air injection system in Bank 1.

#### **P2440: 2nd Air Injection System Switching Valve Stuck Open ...**

OBD-II Code P2440 is defined as a Secondary Air Injection System Switching Valve Stuck Open The Secondary Air Injection System pumps outside fresh air into the Exhaust System during cold engine start up. This additional air helps burn up the highly rich exhaust emissions that are produced when the engine is warming up.

#### **P2440 OBD-II: Secondary Air**

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When is the P2440 code detected? If the Engine Control Module (ECM) receives the pulsation signal from the sensor despite the ECM ordering the VSV to close the air switching valve, or if the ECM has not received the signal from the sensor despite the ECM ordering the VSV to open the valve, the ECM interprets this as a fault in the secondary air injection system and the code is set.

## **P2440 Secondary Air Injection System Switching Valve Stuck ...**

P2440 CHEVROLET Meaning The Secondary Air Injection (AIR) System aids in the reduction of hydrocarbon exhaust emissions during a cold start-up. This occurs when the start-up engine coolant temperature (ECT) is between 5-50°C (41-122°F), and the intake air temperature (IAT) is between 5-60°C (41-140°F).

## **P2440 Chevrolet - Secondary Air**

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### **Injection System Switching ...**

P2438 Secondary Air Injection System Air Flow/Pressure Sensor Circuit High Bank 2 So I replaced air control/switch valve for p2440. Now i have p2438 which I did not have before and other code is gone.Swapped my air pumps around and code still stays bank 2. Im wondering if maybe they sent me a bad replacement valve? 2008 Toyota Tundra...

### **P2440 - Secondary air injection (AIR) switching valve ...**

P2440 Toyota Description To accelerate the activation of catalyst when warming up the engine, the air injection system pumps the secondary air to the exhaust manifold by pressure. The secondary air is supplied by the air pump and it is pumped to the exhaust manifold through the air switching valve.

### **P2440 TOYOTA Secondary Air Injection System Switching ...**

In this video I show you how to switch

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out the Secondary Air Injection Valve on bank 1. This is a 2008 4.7 tundra. The valves tend to get stuck due to water getting in them. This is now the 3rd ...

## **How to fix code p2440 on your Toyota Tundra!**

P2440 Chevrolet Impala Air Injection Check Valve Disclaimer: This video is not meant to be a definitive how to. Always consult a professional repair manual before starting your repair. I am not ...

## **P2440 Chevrolet Impala Air Injection Check Valve**

Refer to DTC P2440 (See page ES-356).  
HINT: Determination by ECM monitoring:  
The ECM locates malfunctions in the secondary Air Injection (AIR) system by detecting the pressure in the AIR passage between the air pump and Air Switching Valve (ASV) and sets a DTC. Soon after cold engine starts, the monitor runs for a short time while the AIR system is both ON and OFF.

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## **Repairing A 2102 Toyota Tacoma Sec Switching Valve ...**

Secondary Air Injection System Air Flow/Pressure Sensor Circuit Bank 1. What does that mean? This is a generic powertrain diagnostic trouble code (DTC) and applies to many OBD-II vehicles (1996-newer). That may include but is not limited to vehicles from Buick, Chevrolet, Cadillac, Lexus, Toyota, BMW, Subaru, etc.

## **P2430 Secondary Air Injection System Air Flow/Pressure ...**

P2440 OBD-II Trouble Code To accelerate the activation of catalyst when warming up the engine, the air injection system pumps the secondary air to the exhaust manifold by pressure. The secondary air is supplied by the air pump P2440 code. Main reason For P2440 Code The reason of P2440 OBD-II Engine Trouble Code is O2 Sensor Heater Circuit Malfunction.

## **P2440 Engine Trouble Code - P2440**

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## **OBD-II Diagnostic ...**

Action Taken When the DTC Sets DTC P2440 is a Type B DTC. Conditions for Clearing the MIL /DTC DTC P2440 is a Type B DTC. Circuit/System Verification Important: This DTC may set if the ignition is turned OFF and the engine is restarted within approximately 30 seconds during Phase 2 of the AIR diagnostic test.

## **2007 Impala: check engine light..Secondary Air injection ...**

Secondary Air Injection System - Water Intrusion: MIL "ON" DTC P0418, P0419, and/or P244# Introduction (Continued) • P2445/P2447: Secondary Air Injection System Pump Stuck Off Bank 1/Bank 2 This condition may be caused by water intrusion into the air injection pump assemblies. Use the following procedure to address this condition. Warranty ...

## **ON DTC P0418, P0419, and/or P244# Secondary Air Injection ...**

OBD II fault code P2441 is a generic



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code that is defined as “Secondary air injection (AIR) switching valve, bank 1 “valve stuck closed”, and is set when the PCM (Powertrain Control Module) detects a problem with the switching valve that allows ambient air to enter the exhaust manifold to aid in heating up the catalytic converter to ...

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