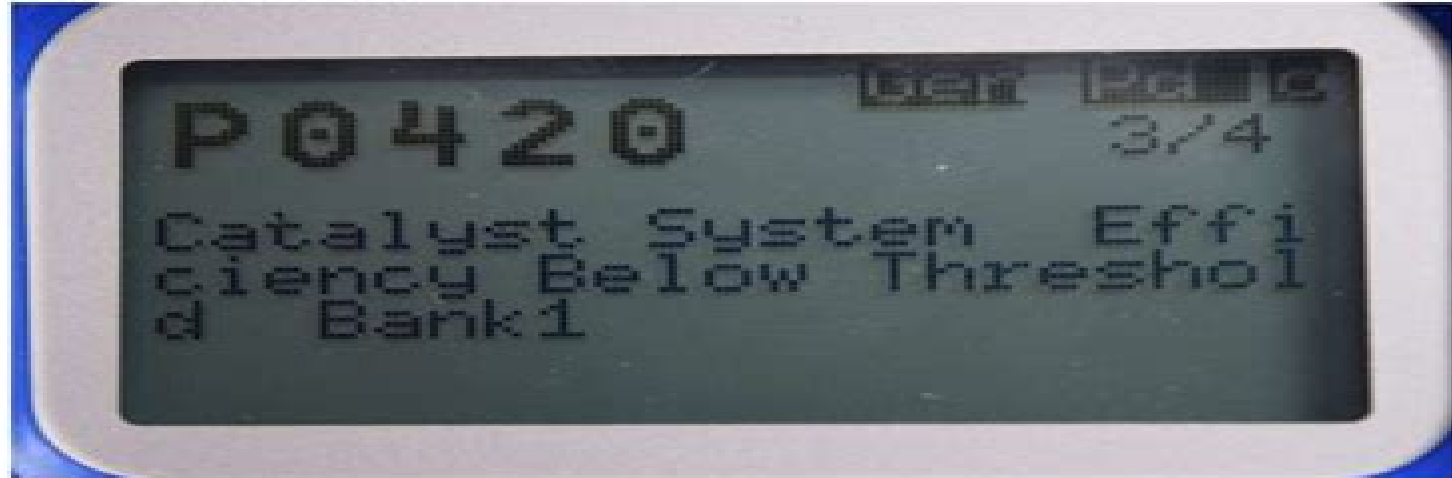


# Diagnose P0420 OBD-II Trouble Code: Problem with Catalyst System Efficiency below Threshold

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What the P0420 code means?



A P0420 code indicates a problem with the catalytic converter. The purpose of the catalytic converter is to break down harmful pollutants created during the combustion cycle. By using fine platinum and gold meshes to filter exhaust fumes, the catalytic converter is able to reduce the emissions expelled from the exhaust pipe.

The catalytic converter has two oxygen sensors. One oxygen sensor is positioned in front (upstream) of the catalytic converter and the other O2 sensor is positioned at the rear. If the upstream oxygen sensor is working properly, its readings should fluctuate from when the car is at operating temperature and when running in a closed loop. If the downstream oxygen sensor is working properly, and there isn't an issue with the catalytic converter, its readings should remain steady. When the oxygen sensors have similar readings to each other, it indicates that the catalytic converter is not working as intended.

**What are the Common causes of the P0420 code?**

1. Damaged muffler or leaks in the muffler.
2. Damaged exhaust manifold or leaks in the exhaust manifold.

# Obd Ii Code P0420

**Sabine Zange**

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

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