

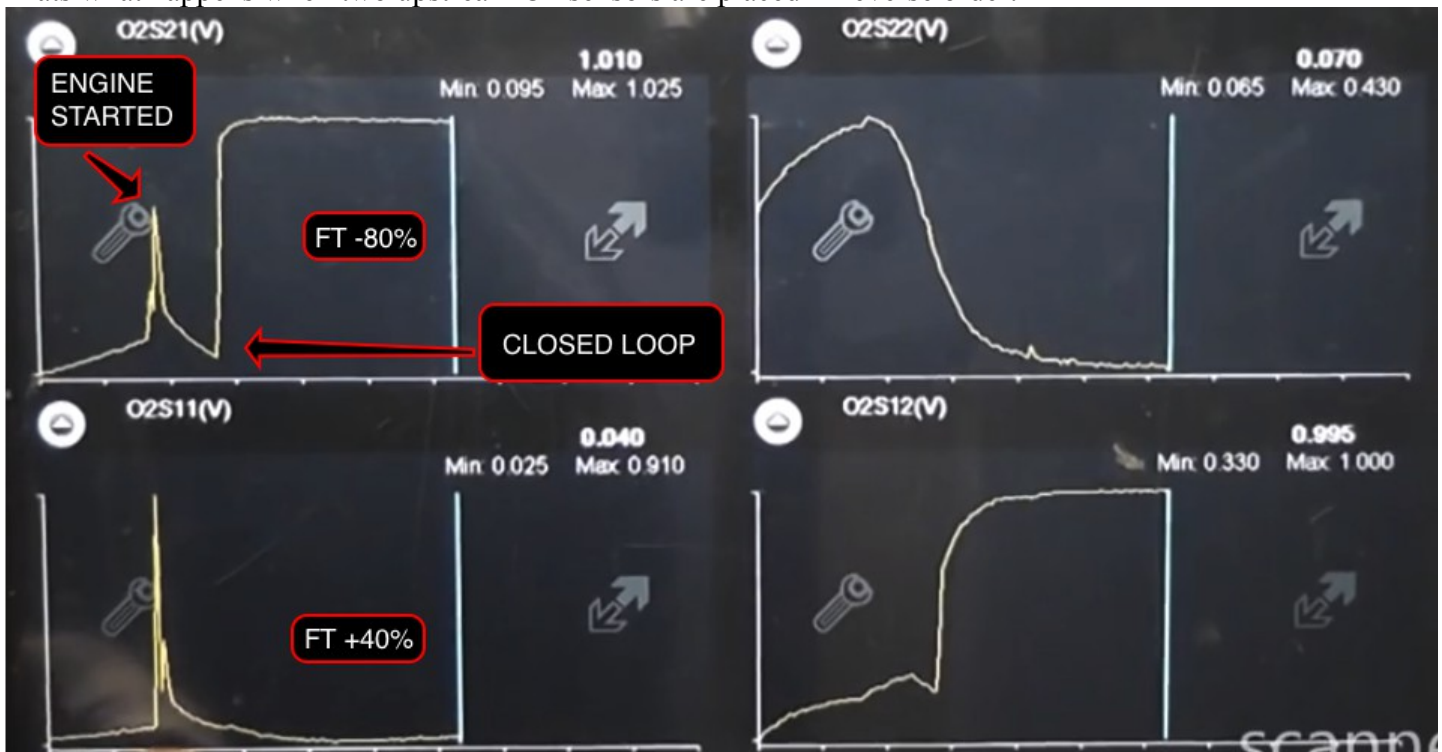
Car has severe misfire.

DTCS:

P0172 System too rich Bank 1

P0174 System too lean Bank 2

That's what happens when two upstream O2 sensors are placed in reverse order:



1. Car enters into the closed loop. PCM uses O2 signal for delivering the right mixture.
2. When PCM tries to add more fuel into bank 1, upstream sensor that is placed on bank 1 PCM sees as B2S1.
3. PCM thinks that bank 2 has too much gas, even though in reality it's bank 1, and it tries to reduce fuel on bank 2.
4. B2S1 sensor, that PCM sees as B1S1, shows too much air and tries to add fuel to bank 1.

RESULT

Two upstream O2 sensors placed in reverse order.