



# TECH CENTER TIPS

Tech Tip # MF-2022-2

## IMPORTANT: General Motors Catalytic Converter Break-In Steps

The following steps are directly cited from General Motors Service Bulletin #PIP3119P

## THE ISSUE

“Service Engine Soon” Light Comes on After Catalytic Converter Replacement

Owners of some GM vehicles that have recently had their catalytic converters replaced may see the “Service Engine Soon” (SES) light come on. The same light may also appear on low mileage GM vehicles that have yet to be broken in. You may see DTC codes P0420 and/or P0430 when diagnosing the problem with an OBDII reader.

## THE FIX

Make Sure Your Catalytic Converter is Broken In

This problem can occur after replacing your vehicle's catalytic converter due to the fact that the converter hasn't yet had a chance to properly out-gas and break in. Fortunately, breaking in your replacement catalytic converter is a fairly straightforward process. Simply follow these steps:

1. Drive vehicle at sustained highway speed for 25 to 30 minutes
2. Bring vehicle to a stop
3. Shut off engine for 1 minute
4. Restart the engine and resume highway speed for an additional 10 to 15 minutes
5. Bring vehicle to a stop
6. Shut off engine for 1 minute
7. Restart the engine and check that the SES light is off

If you're still seeing DTC codes P0420 and/or P0430 present on your OBDII reader after completing the steps above, further vehicle diagnostic testing may be necessary to determine the cause and repair required.

### AFFECTED MODELS

Year	Make	Model	Details
2002-2018	Cadillac	Escalade	All V8 Models
2002-2013	Chevrolet	Avalanche	All V8 Models
2002-2018	Chevrolet	Express	All V8 Models
2002-2018	Chevrolet	Silverado	All V8 Models
2002-2018	Chevrolet	Suburban	All V8 Models
2002-2018	Chevrolet	Tahoe	All V8 Models
2002-2018	GMC	Savana	All V8 Models
2002-2018	GMC	Sierra	All V8 Models
2002-2018	GMC	Yukon	All V8 Models
2003-2010	Hummer	H	All V8 Models



# TECH CENTER TIPS

Tech Tip # MF-2022-1

## IMPORTANT: GM Vehicle Malfunction Indicator Light (MIL) Illuminated Due to Dirty Intake

The following steps are directly cited from General Motors Service Bulletin #16-NA-111

## THE ISSUE

### Dirty Air Filter Box Triggers Malfunction Indicator Light

Has the Malfunction Indicator Light (MIL) turned on in your vehicle? Are you using an OBDII reader and getting DTC codes P0420 and/or P0430? The culprit may be a dirty air filter box. If the air filter box isn't sealed properly, sand, dust and other debris can bypass the air filter and begin to block up the catalytic converter, in addition to possibly damaging the O2 sensor.

## THE FIX

### Inspect the Intake & Replace Your Air Filter

Resolving this issue may be as simple as inspecting and cleaning out your air filter box and replacing the filter itself if necessary. To ensure your air filter is functioning as it should, follow these steps:

1. Inspect the air housing cover for any missing tabs and/or fasteners
2. Remove the air filter housing cover and inspect the seal around the air filter
3. Inspect the air filter sealing surface for signs of not contacting the air filter seal
4. Inspect the air cleaner cover for dirt and/or debris
5. Inspect the air cleaner outlet duct for any dirt and/or debris

If you notice any dirt or debris that has been making it around your air filter because of a faulty seal, then its time to replace your air filter. Following these steps should resolve the issue. However, if the MIL light stays on, other components such as the O2 sensor might need a closer look and possible replacement. If the air filter has been replaced yet still isn't sealing properly, then the entire air cleaner assembly itself may need to be replaced.

### AFFECTED MODELS

Year	Make	Model	Details
2016-2018	Cadillac	CTS	LT1/LT4
2015-2018	Cadillac	Escalade	L83/L86
2016-2019	Chevrolet	Camaro	LT1/LT4
2014-2019	Chevrolet	Corvette	LT1/LT4
2014-2019	Chevrolet	Silverado	L83/L86/LV1/LV3
2015-2018	Chevrolet	Suburban	L83/L86
2015-2018	Chevrolet	Tahoe	L83/L86
2014-2018	GMC	Sierra	L83/L86/LV1/LV3
2015-2018	GMC	Yukon	L83/L86