



Service Bulletin

TECHNICAL

Subject: Diagnostic Tip for Excessive Smoke from Tail Pipe, DTC P2002 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Express	2010	2018			Diesel Engine (LGH, LML, LUZ, LWN, L5P, LH7)	
	Colorado	2011	2018				
	Cruze						
	Silverado						
GMC	Savana	2010	2018				
	Canyon	2011	2018				
	Sierra						

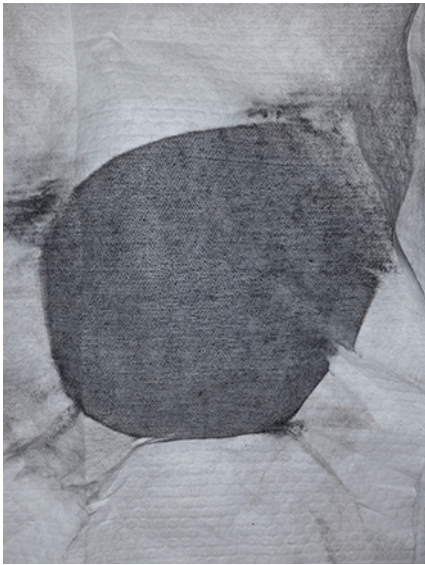
Involved Region or Country	North America and Israel
Condition	<p>Some customers may comment about excessive smoke coming from the tail pipe.</p> <p>The Technician may find:</p> <ul style="list-style-type: none"> • DTC P2002 set. • Cracked or broken Diesel Particulate Filter (DPF).

Correction

A properly functioning diesel particulate filter should remove most if not all soot particles from the exhaust stream. The following test should not be performed immediately after a regeneration because of the reduced filtration efficiency of the DPF without any soot in it.

The purpose of this test is to aid in diagnosing a DPF that has failed internally.

Service Procedure



Note: Assistance may be required to perform exhaust soot flow test.

With assistance, the engine will need to rev to Wide Open Throttle 3 consecutive times while using a cheese cloth or equivalent, over the tail pipe.

- A failed DPF has excessive soot particulates on the cheese cloth or equivalent. Refer to the graphic.
- A DPF that is working properly should show no or very minimal signs of soot particulates.

If the DPF has been found to be the cause of the heavy soot. Replace the DPF. Refer to *Exhaust Particulate Filter Replacement* in SI.

If the DPF has been found not to be cause of the heavy soot, refer to SI for further diagnostic testing.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4050860	Exhaust Particulate Filter Replacement	Use Published Labor Operation Time

Version	2
Modified	August 31, 2017 — Updated Model Years.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from information.



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