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## Service Bulletin

Bulletin No.: 14-06-04-004F Date: March, 2020

# INFORMATION

- Subject: Various Engine Noises During Cold Start and Warm Engine Operation
- Models: 2015-2020 Cadillac Escalade, Escalade ESV 2016-2019 Cadillac CTS 2016-2020 Chevrolet Camaro 2014-2019 Chevrolet Camaro 2014-2019 Chevrolet Silverado 1500 2019 Chevrolet Silverado 1500 (New Model 12th VIN Digit = 7) 2019 Chevrolet Silverado 1500 (New Model) 2020 Chevrolet Silverado 1500 (New Model) 2019-2020 Chevrolet Silverado 2500/3500 2019-2020 Chevrolet Silverado 2500/3500 2019-2020 Chevrolet Silverado 1500 LD 2015-2020 Chevrolet Suburban, Tahoe 2015-2020 Chevrolet Suburban, Tahoe 2014-2018 GMC Sierra 1500 (New Model) 2020 GMC Sierra 1500 (New Model) 2020 GMC Sierra 1500 (New Model) 2019-2020 GMC Sierra 2500/3500 2019-2020 GMC Sierra 1500 Limited 2015-2020 GMC Sierra 1500 Limited 2015-2020 GMC Yukon, Yukon XL
  - Equipped with 4.3L Engine (RPOs LV1, LV3), 5.3L Engine (RPOs L82, L83, L84) or 6.2L Engine (RPOs L86, L87, LT1, LT4, LT5)
- Attention: This bulletin also applies to any of the above models that may be Export from North America vehicles.

This bulletin has been revised to add the 2020 Model Year to certain vehicles. Please discard Corporate Bulletin Number 14-06-04-004E.

#### Information For Why New Engine Technologies Are Generating Noises

The latest generation of full size trucks and utilities incorporate a new generation of technologies not previously seen in full size truck and utility applications. As a result these engines generate noises during cold start and during warm operation that owners of previous generation multiport fuel injection (MFI) vehicles may not be familiar with.

#### Direct Injection (DI) / High Pressure Fuel Pump / Fuel Injectors

The new Small Block Generation 5 engine family incorporates a new fuel system technology known as Direct Injection (DI). With DI, fuel is injected directly into the cylinder using a high pressure fuel system. DI provides many benefits in improving engine efficiency.

In particular, DI improves power, torque, and most importantly fuel efficiency. This technology is included as standard equipment on all Generation 5 engines in the Small Block engine family, which are the 4.3t. V6, 5.3t. V8 and the 6.2t. V8.

5.3L.V8 and the 6.2L.V8.

The high pressure fuel system does have unique operating characteristics, in particular the noise emanating thom the high pressure fuel pump can result in a subtle ticking noise that is apparent when the vehicle is idling. The sound is more evident when outside around the vehicle, when the hood is open or the vehicle is operated in a drive-through. The sound may be more noticeable during a cold start, but lessens once the engine is warm. A slightly higher pitched under the high fuel pressures.

These sounds are a normal characteristics of the DI high pressure fuel system.

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Another operating characteristic is a slightly longer crank time when the engine is started. The increased crank time is the result of the time required to build high pressure in the fuel system before the engine starts.

#### Oil Pump Cold Start Rrrrp or Rasp

The oil pump design has changed from a gerotor gear type pump to a two-stage vame type pump for fuel (32°F), or when the engine has been sitting for a few hours, it is possible to have air enter the pump through normal oil drain back. Upon startup, the owner may hear a short "Rmp" or "Rasp" coming from the front of the engine. It is most often heard during a remote start. There is nothing wrong with the oil pump or oil system. No repairs should be attempted for this condition.

#### 6.2L Engine – Dry Sump Oil System Moan

The 6.2L engine dry sump oil system may generate a moan noise that may be heard inside the vehicle at idle and/or low engine rpm operation for approximately the first two minutes following a cold start. The noise noise may be more noticeable on the passenger side of the vehicle and has been described as similar to the sound of running water.

The dry sump oil system is hard mounted to the body of the vehicle, and at cold start, the oil moving through the system can transfer the noise to the body. This is a normal dry sump oil system operating

This is a normal dry sump oil system operating characteristic and no repairs should be attempted.

# **Gm Service Bulletin 13d 079**

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Gm Service Bulletin 13d 079: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the captivating narratives that have enthralled audiences this year. The Must-Read: Colleen Hoovers "It Ends with Us" This heartfelt tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best: Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic: Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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