



# Service Bulletin

Bulletin No.: 17-NA-408

Date: August, 2023

## INFORMATION

**Subject:** Information on Charge Air Cooler (CAC) Draining and Filling - DTC P0300 Set

| Brand:    | Model:   | Model Year: |      | VIN: |    | Engine:                    | Transmission: |
|-----------|----------|-------------|------|------|----|----------------------------|---------------|
|           |          | from        | to   | from | to |                            |               |
| Chevrolet | Camaro   | 2017        | 2024 |      |    | 6.2L (LT4)                 |               |
|           | Corvette | 2015        | 2019 |      |    | 6.2 L (LT4),<br>5.7L (LT5) |               |

|                            |                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Involved Region or Country | North America, Argentina, Brazil, Chile, Colombia, Paraguay, Peru, Uruguay, Europe, Middle East, Israel, Palestine, Russia, Japan, China, Thailand                                                                                                                                            |
| Condition                  | Some customers may comment that the engine misfires when the ambient temperature is high and the vehicle is traveling over 160 km/h (100 mph) on a track.<br>Technicians may find DTC P0300 set.                                                                                              |
| Cause                      | This condition may be caused by the supercharger's cooling system not properly evacuated of all the air after a previous repair or service to the system.                                                                                                                                     |
| Correction                 | If the supercharger's cooling system has been previously repaired, it must be properly evacuated and filled using the following special tools:<br>" GE-26568 Coolant and Battery Fluid Tester<br>" GE-47716 Vac-N-Fill Coolant Refill Tool<br>" GE-47716-30A Vac-N-Fill Green Colored Adapter |

**Important:** Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

### Additional Information

The 6.2L V8 engine (RPO LT4), available in 2017-2024 Camaro ZL1 and Corvette models, features an Eaton Roots-type supercharger that creates a maximum boost pressure of 67 kPa (9.7 psi). The air entering the supercharger is cooled by an integral intercooler to enhance the effectiveness of the supercharger. The

intercooler uses conventional coolant in a system that is separate from the engine cooling system. It includes two charge air coolers/heat exchangers, a water manifold assembly, and a variety of sensors to monitor air temperature and pressure.

If the supercharger cooling system is not properly evacuated and filled after service, DTC P0300 (Engine Misfire Detected) may set at high ambient temperatures during track speeds above 160 km/h (100 mph).

### Service Procedure

Refer to Charge Air Cooling System Draining and Filling in SI.

### Parts Information

No parts are required for this repair.

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version  | 4                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Modified | <p>Released December 20, 2017</p> <p>Revised October 09, 2020    Removed 2016 Model Year for Camaro, added 2019-2021 Model Years to Camaro, 2019 Model Year to Corvette, Engine RPO LT5 and updated the Involved Region or Country section.</p> <p>Revised July 18, 2022    Added the 2015 Model Year to Corvette and 2022 2023 Model Years to Camaro.</p> <p>Revised August 23, 2023    Added the 2024 Model Year to Camaro.</p> |

Additional SI Keywords: hesitate, hesitation, heat, hot,  
miss, power, speed, temp

