

# 2016 - 2019 Corvette Z06 ZR1: Service Bulletin: #17-NA-408: Information on Charge Air Cooler (CAC) Draining and Filling - DTC P0300 Set - (Oct 9, 2020)

## #17-NA-408: Information on Charge Air Cooler (CAC) Draining and Filling - DTC P0300 Set - (Oct 9, 2020)

**Subject:**

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

| Brand:    | Model:   | Model Year:  | VIN:    | Engine:                          | Transmis<br>sion: |
|-----------|----------|--------------|---------|----------------------------------|-------------------|
|           |          | from to      | from to |                                  |                   |
| Chevrolet | Camaro   | 2017 to 2021 | —       | 6.2L<br>(LT4)                    | —                 |
|           | Corvette | 2016 to 2019 |         | 6.2 L<br>(LT4),<br>5.7L<br>(LT5) |                   |

***Involved Region or Country***

North America, Middle East, Europe,  
Russia, Israel, Palestine, Argentina,  
Brazil, Chile, Colombia, Paraguay,  
Peru, Uruguay, Japan, GM Korea  
Company, 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.

Some 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:

- GE-26568 Coolant and Battery Fluid Tester
- GE-47716 Vac-N-Fill Coolant Refill Tool
- GE-47716-30A Vac-N-Fill Green Colored Adapter

## **Additional Information**

The 6.2L V8 engine (RPO LT4), available in 2017-2021 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*

2

*Modified*

Released December 20, 2017

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.

Online URL:

<https://www.corvetteactioncenter.com/tech/knowledgebase/article/2016-2019-corvette-z06-zr1-service-bulletin-17-na-408-information-on-charge-air-cooler-cac-draining-and-filling-dtc-p0300-set-oct-9-2020-1454.html>