

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)

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Subject:				Information on Charge Air Cooler (CAC) Draining and Filling - DTC P0300 Set			
Brand:	Model:	Model Year:		VIN:		Engine:	Transmis sion:
		from	to	from	to		
Chevrolet	Camaro	2017	2021	—	—	6.2L (LT4)	—
	Corvette	2016	2019			6.2 L (LT4), 5.7L (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>