



Preliminary Information

PIP5468F Check Engine Light On with Leaks in the Charge Air Cooler System.

Models

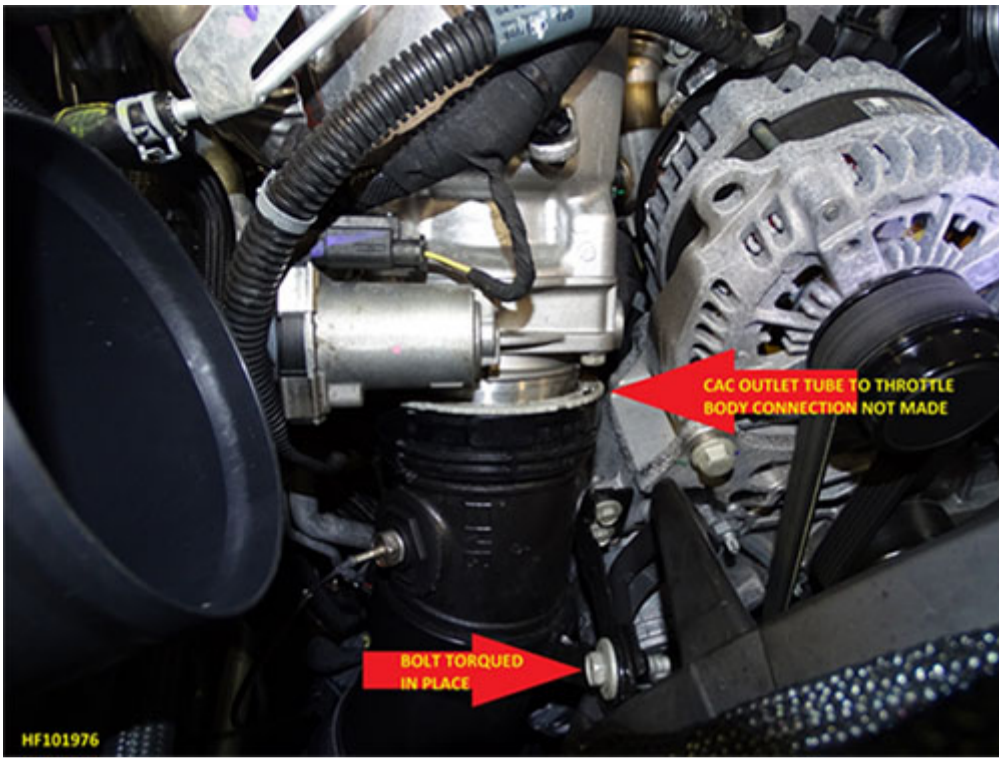
Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2017 - 2019	All	All	6.6 L5P	All
GMC	Sierra	2017 - 2019	All	All	6.6 L5P	All

Involved Region or Country	North America
Additional Options (RPO)	6.6 L5P
Condition	Some customers may comment on a Service Engine Soon Light / Check Engine Light on. Upon inspection technicians may find DTCs P0101, P0299, P0712, P11CC, P11DC, P2002, P2463, P2627, P2A00, P2459, P22B6, P200C, P200E, P0263, P0266, P0269, P0272, P0275, P0278, P0281 and/or P0284 set.
Cause	These DTCs may be the result of loose connections of the charge air cooler ductwork.

Correction:

If any combination of DTCs DTCs P0101, P0299, P0712, P11CC, P11DC, P2002, P2463, P2627, P2A00, P2459, P22B6, P200C, P200E, P0263, P0266, P0269, P0272, P0275, P0278, P0281 and/or P0284 are set; check for loose charge air cooler ductwork at the turbocharger outlet pipe, the charge air cooler inlet pipe, the charge air cooler outlet pipe and the connection at the intake air flow valve (throttle body).

Please note that a static visual inspection may not reveal that the connection is not adequate and that it is most likely to occur during engine roll or brake torque. It is highly recommended to test for leaks in the charge air cooler system by using the procedure found in Service Information Document ID: 4282009 (Charge Air Cooler Diagnosis)



Check for non-secured connection of the charged air cooler pipe at the intake air flow valve (throttle body).
Check for proper alignment of the charged air cooler pipe bracket and bolt hole.



Non-secured connection.



Mis-aligned charged air cooler pipe bracket and bolt hole after the charge air cooler outlet hose is connected properly to the throttle body.

If P2463 was not set and a charge air cooler leak or disconnect was found, after repairing charge air cooler connections, command Diesel Particulate Filter (DPF) Regeneration Enable with the scan tool before returning the vehicle to the customer.

If P2463 was set refer to the service information Document ID: 4581477

Note: This will put the vehicle in DPF regen mode when the customer gets the vehicle, delaying any emissions diagnostic codes that can be fouled by high soot in the exhaust, until the exhaust is cleaned by the customer driving with an on-road DPF regeneration.

Warranty Information

Labor Operation	Description	Labor Time
4081668*	Repair Connections, Charge Air Cooler Pipes	0.8 hr
* This is a unique labor operation for bulletin use only.		

Version History

Version	7
Modified	Created on 02/06/2017. 3/17/2017 to update Condition and add pictures 5/10/2017 to add labor operation 8/22/2017 to add DTCs, 2018 model year and smoke testing the charge air cooler 10/03/2017 to change information about DPF regeneration. 10/09/2017 to remove reference of P20EE. 8/8/2018 to add 2019 model year



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