



Service Bulletin

File in Section: -

Bulletin No.: PI0977

Date: May, 2013

PRELIMINARY INFORMATION

Subject: Active Fuel Management (AFM) Transition Noise/Vibration Through Exhaust

Models: 2011-2013 Chevrolet Caprice PPV
Equipped with 6.0L Engine (RPO L77)

Condition/Concern

Some customers may notice an exhaust noise or vibration during Active Fuel Management activity. It may be more noticeable during the actual transition between 4 and 8 cylinder modes.

The flexible joints found in AFM Catalytic Converters must move freely in order to dampen the effects of Active Fuel Management. If the flexible joints are bound up (stressed), it is likely to cause this condition.



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A tell tale sign the exhaust system is bound up is that the exhaust hangers may not pass all the way through the insulators at the rear of the vehicle. For example, the exhaust may be too far forward as shown in the illustrations above.

Recommendation/Instructions

Important: After verifying that the customer complaint vehicle has the condition as described above, disassemble the flanged exhaust joints and reassemble as per the sequence below.

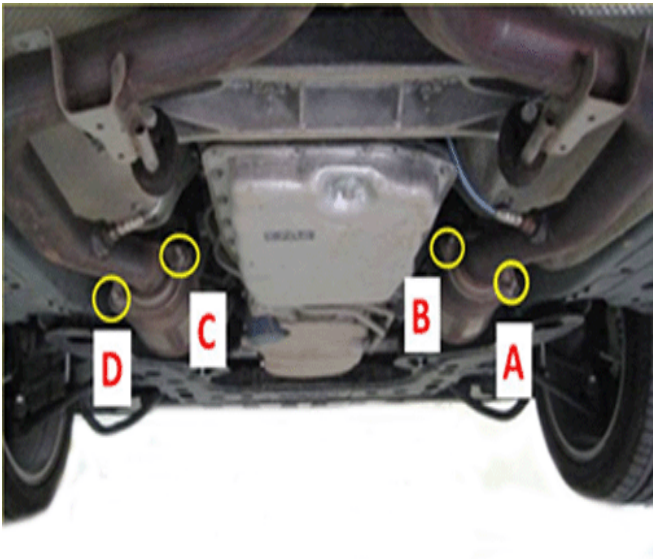
Disconnect the exhaust system at the catalytic converter to intermediate joints.

The rear section of the exhaust system can now be pushed rearward and also aligned so that it is central to the vehicle. The flexible catalytic converter joints will need to be pushed through their cycle of motion to ensure they can move freely.

Once done, the catalytic converter to intermediate joints must be re-tensioned to 45 N•m (33 lb ft) in an outboard to inboard sequence. This will ensure a central location for the entire exhaust system.

Important: DO NOT use air or power tools. This will ensure the load is evenly distributed over the entire section of the clamp ring, keeping the exhaust alignment as intended.

Ensure the flexible joints in the catalytic converters are now free to move as required.



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Do not replace exhaust components for this condition. It can be rectified by correctly aligning the exhaust system and sequential torquing of the exhaust clamp rings by hand. The assembly order for the exhaust system shown in the installation above is (A, D, B, C).

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4050272	Exhaust System Alignment	Use Published Labor Operation Time