



## Preliminary Information

### PIP5527B Drivability Concerns Caused By Intake Rocker Arm Oil Control Valve - Chuggle Surge Misfire P0101 P0106 P0171 P0300 P219A

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Impala (VIN 1)	2014 - 2015	All	All	2.5 LKW	All
Chevrolet	Malibu	2014 - 2015	All	All	2.5 LKW	All

<b>Involved Region or Country</b>	<b>North America</b>
<b>Condition</b>	A customer may comment their vehicle exhibits any combination of these concerns: surges while driving, runs rough at idle, misfires while driving, MIL is illuminated and may have any combination of trouble codes P0101 P0106 P0171 P0300. During diagnosis the technician may find engine misfires on cylinders 1 and 2 or cylinders 3 and 4. Technician may also find P219A set and no misfire counts seen using GDS or felt by the driver.
<b>Cause</b>	The intake rocker arm oil control valve may have an internal electrical or mechanical concern.

#### Correction:

If diagnostic procedures in service information do not resolve the vehicle's concern, remove and inspect the intake rocker arm oil control valve for missing components.

See illustrations below for items #1 being missing.

If any of the components are missing, replace the intake rocker arm oil control valve and camshaft cover.

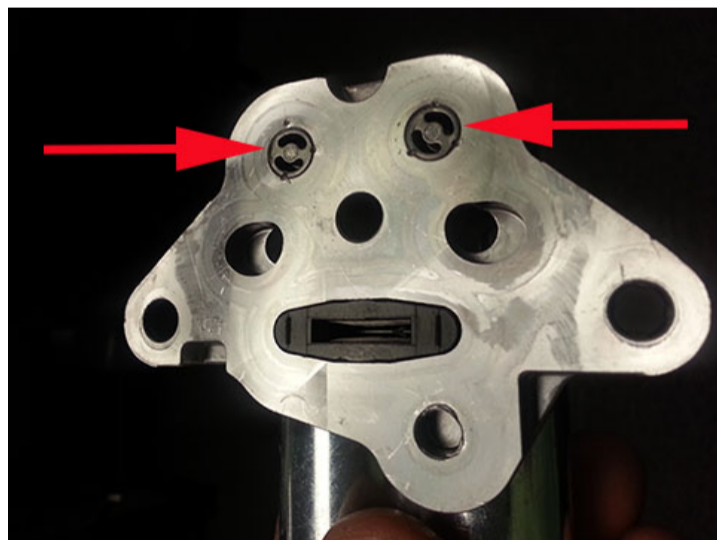
The camshaft cover must be replaced because the components become lodged in the camshaft cover oil passages and can not be removed.

If the intake rocker arm oil control valve is not missing any components, only replace the intake rocker arm oil control valve.

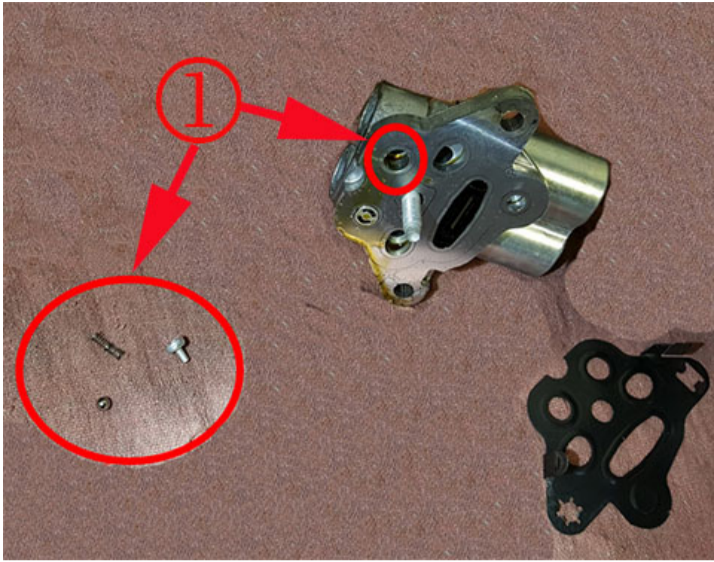
**NOTE: If a previous rocker arm control solenoid came apart and pieces are stuck in the cam cover passages, this can cause any of the concerns to happen even when a new rocker arm control solenoid is installed.**

Evaluate the vehicle thoroughly after repairs to verify the concern(s) are corrected.

This is a good valve with components still in place.



This is a bad valve with components missing.



Parts Information

Description	Part Number	Quantity
Valve, Valve Rocker Arm Oil Control	12633613	1
Cover, Camshaft	12658255	1

Warranty Information

For vehicles repaired under the Emission coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4023940	Valve Rocker Arm Oil Control Valve Replacement	Use Published Time
4060930	Camshaft Cover Replacement	Use Published Time

Version History

Version	3
Modified	10/02/2017 - Created 01/10/2019 - updated to edit correction section. 03/07/2019 - Updated to edit condition and correction sections.



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