



Service Bulletin

Bulletin No.: 21-NA-274

Date: November, 2021

TECHNICAL

Subject: Driveability Concerns Caused by Intake Rocker Arm Oil Control Valve, Chuggle, Surge, Misfire, Malfunction Indicator Lamp (MIL) Illuminated - DTC P0068, P0101, P0106, P0171, P0300, P219A, P16D0, P16D1, P2646 and/or P2647 Set

This bulletin replaces PIP5527L. Please discard PIP5527L.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Impala (VIN 1)	2014	2015	—	—	2.5L (LKW)	—
	Malibu						

Involved Region or Country	North America, Middle East, Iraq, Israel, Palestine
Condition	<p>Some customers may comment on one or more of the following conditions:</p> <ul style="list-style-type: none"> • Surging while driving • Runs rough at idle • Misfires while driving • MIL illuminated <p>Technicians may find DTC P0068, P0101, P0106, P0171, P0300, P16D0, P16D1, P2646, P2647 set in the Engine Control Module (ECM).</p> <p>Technicians may also find P219A set and no misfire counts seen using GDS or felt by the driver.</p>
Cause	The intake rocker arm oil control valve may have an internal electrical or mechanical concern.

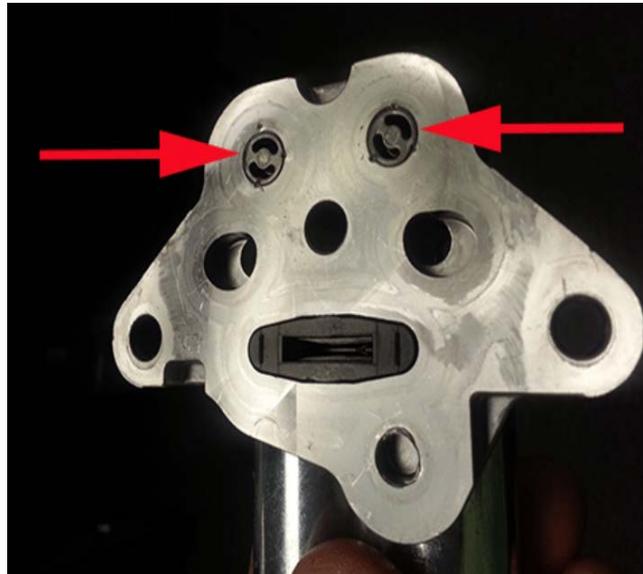
If diagnostic procedures in Service Information (SI) do not resolve the vehicle concern, remove and inspect the intake rocker arm oil control valve for missing components.

- 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 cannot 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.

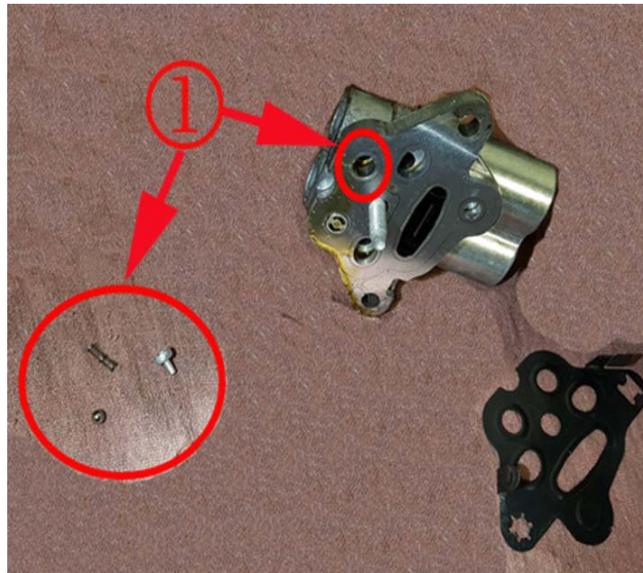
Evaluate the vehicle thoroughly after repairs to verify the concern(s) are corrected.

Correction



4873912

Shown above is a good valve with components still in place.



4873911

Shown above is a bad valve with components missing.

Parts Information

Description	Part Number	Qty
Valve, Valve Rocker Arm Oil Control	19419980	1
Cover, Camshaft	12658255	1

Warranty Information

For vehicles repaired under the Powertrain 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 Labor Operation Time
4060930	Camshaft Cover Replacement	

Version	1
Modified	Released November 24, 2021

