

PE18-012

GM

3-27-2019

Q7

PIP9394



# Preliminary Information

## PIP5357 Oil Consumption With Nothing Found

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade	2015 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All
Chevrolet	Suburban	2015 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All
Chevrolet	Tahoe	2015 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All
Chevrolet	Silverado 1500	2014 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All
GMC	Yukon	2015 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All
GMC	Yukon XL	2015 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All
GMC	Sierra 1500	2014 - 2016	All	All	RPO 4.3L 5.3L 6.2L L83 L86 LV3	All

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition / Concern

**Customers may comment on an engine oil consumption.**

### Recommendations / Instructions

**If the oil consumption is noted and all the SI documents have been followed.**

**Remove the vacuum line from the back of the vacuum pump and inspect for oil .**

**If oil is found then reference [PIT5361](#) Diagnostic Tip - Additional Brake Pedal Effort**

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

Legal Data

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## Engine/Propulsion

Engine Mechanical

## Service Center Keywords

14, 15, 16, 2014, 2015, 2016, 4.3, 4.3L, 5.3, 5.3L, 6.2, 6.2L, C1, Chevrolet, consumption, engine, GMC, K1, K2XX, K2UX, L83, L86, LV3, leak, low, oil, PIT5361, PIP5357, usage,

## Suppress from Recent Articles

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## Concise Summary

**This Preliminary Information communication provides information to the technician about vehicles with engine oil consumption. If published Service Information for oil consumption with no fix. Remove the vacuum line from the back of the vacuum pump and inspect for oil. If oil is found then reference the latest version of PIT5361.**

## Models – Data Entry

### Vehicle Details

GMNA;Cadillac;Escalade;2015-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All GMNA;Chevrolet;Suburban;2015-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All GMNA;Chevrolet;Tahoe;2015-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All GMNA;Chevrolet;Silverado 1500;2014-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All GMNA;GMC;Yukon;2015-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All GMNA;GMC;Yukon XL;2015-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All GMNA;GMC;Sierra 1500;2014-2016;All;All;RPO 4.3L 5.3L 6.2L L83 L86 LV3;All

## Metadata

### Business Unit

TAC

### Alternate Keywords

14, 15, 16, 2014, 2015, 2016, 4.3, 4.3L, 5.3, 5.3L, 6.2, 6.2L, C1, Chevrolet, consumption, engine, GMC, K1, K2XX, K2UX, L83, L86, LV3, leak, low, oil, PIT5361, PIP5357, usage,

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PIT5361



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Diagnostic Tip - Additional Brake Pedal Effort

**Models:** 2015-2016 Cadillac Escalade Models  
2014 Chevrolet Silverado 1500  
2015-2016 Chevrolet Silverado 1500, Suburban, Tahoe  
2014 GMC Sierra 1500  
2015-2016 GMC Sierra 1500, Yukon Models

*This PI was superseded to add 2016 Models and update Recommendation. Please discard PIT5361.*

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

In some rare situations, a customer may comment on a hard brake pedal or that increased effort is needed to depress the brake pedal. While performing normal diagnostics, fluid may be found in the brake booster and/or the booster vacuum line.

**Important:** Pay close attention to the fluid and if it is determined to be engine oil, it could be coming from the vacuum pump. The vacuum pump is belt-driven and mounted to the side of the engine block. It is lubricated by pressurized engine oil.

### Recommendation/Instructions

If engine oil is found, it is important the following parts are replaced. If not, the condition will return.

1. Vacuum Pump
2. Vacuum Line between the booster and the pump
3. Brake Booster
4. Master Cylinder
5. Vacuum Pump Belt

### Parts Information

Part Number	Description	Qty
12669488	PUMP ASM-VAC	1
23144638 (VYU) or 23135228 (w/o VYU)	PIPE ASM-P/B BOOS VAC	1
23135220	BOOSTER ASM-P/B	1
20925765	CYLINDER-BRK MAS	1
12658179	BELT - VAC PUMP	1

### Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
2480118 *	Replace vacuum pump, belt, vacuum pump to booster hose, vacuum brake booster, and brake master cylinder	2.8 hr

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

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GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Diagnostic Tip - Additional Brake Pedal Effort

**Models:** 2015 Cadillac Escalade Models  
2014 Chevrolet Silverado 1500  
2015 Chevrolet Silverado 1500, Suburban, Tahoe  
2014 GMC Sierra 1500  
2015 GMC Sierra 1500, Yukon Models

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

In some rare situations, a customer may comment on a hard brake pedal or that increased effort is needed to depress the brake pedal. While performing normal diagnostics, fluid may be found in the brake booster and/or the booster vacuum line.

Pay close attention to the fluid and if it is determined to be engine oil, it could be coming from the vacuum pump. The vacuum pump is belt-driven and mounted to the side of the engine block. It is lubricated by pressurized engine oil.

### Recommendation/Instructions

If engine oil is found, it is important the following parts are replaced. If not, the condition will return.

1. Vacuum Pump
2. Vacuum Line between the booster and the pump
3. Brake Booster
4. Master Cylinder

### Parts Information

Part Number	Description	Qty
12662552	PUMP ASM-VAC	1
23144638 (VYU) or 23135228 (w/o VYU)	PIPE ASM-P/B BOOS VAC	1
23135220	BOOSTER ASM-P/B	1
20925765	CYLINDER-BRK MAS	1

### Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
2480118 *	Replace vacuum pump, vacuum pump to booster hose, vacuum brake booster, and brake master cylinder	2.8 hr

\* This is a unique labor operation for bulletin use only. This will not be published in the Labor Time Guide.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

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PIT5361B



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Diagnostic Tip - Additional Brake Pedal Effort

**Models:** 2015-2016 Cadillac Escalade Models  
2014 Chevrolet Silverado 1500  
2015-2016 Chevrolet Silverado 1500, Suburban, Tahoe  
2014 GMC Sierra 1500  
2015-2016 GMC Sierra 1500, Yukon Models

*This PI was superseded to update the condition and parts list. Please discard PIT5361A.*

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

In some rare situations, a customer may comment on a hard brake pedal or that increased effort is needed to depress the brake pedal. Also, in some cases a tick or ticking noise may be heard, which may sound like an exhaust manifold leak. While performing normal diagnostics, fluid may be found in the brake booster and/or the booster vacuum line.

**Important:** Pay close attention to the fluid and if it is determined to be engine oil, it could be coming from the vacuum pump. The vacuum pump is belt-driven and mounted to the side of the engine block. It is lubricated by pressurized engine oil.

### Recommendation/Instructions

If engine oil is found, it is important the following parts are replaced. If not, the condition will return.

1. Vacuum Pump
2. Vacuum Line between the booster and the pump
3. Brake Booster
4. Master Cylinder
5. Vacuum Pump Belt

### Parts Information

Part Number	Description	Qty
12669488	PUMP ASM-VAC	1
23144638 (VYU) or 23135228 (w/o VYU)	PIPE ASM-P/B BOOS VAC	1
23135220	BOOSTER ASM-P/B	1
20925765	CYLINDER-BRK MAS	1
12658179	BELT - VAC PUMP	1
12658178	BELT - A/C COMPRESSOR	1

### Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time

2480118 *	Replace vacuum pump, belts, vacuum pump to booster hose, vacuum brake booster, and brake master cylinder	2.8 hr
* This is a unique labor operation for bulletin use only.		

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

**Additional SI Keywords**

C0299

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PIT5361C



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Diagnostic Tip - Additional Brake Pedal Effort

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	Escalade	2015-2016		All	All	All	All
Chevrolet	Silverado 1500	2014-2016		All	All	All	All
Chevrolet	Suburban	2015-2016		All	All	All	All
Chevrolet	Tahoe	2015-2016		All	All	All	All
GMC	Sierra 1500	2014-2016		All	All	All	All
GMC	Yukon	2015-2016		All	All	All	All

### Supersession Statement

This PI was superseded to update the parts list. Please discard PIT5361B.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

In some rare situations, a customer may comment on a hard brake pedal or that increased effort is needed to depress the brake pedal. Also, in some cases a tick or ticking noise may be heard, which may sound like an exhaust manifold leak. While performing normal diagnostics, fluid may be found in the brake booster and/or the booster vacuum line.

**Important:** Pay close attention to the fluid and if it is determined to be engine oil, it could be coming from the vacuum pump. The vacuum pump is belt-driven and mounted to the side of the engine block. It is lubricated by pressurized engine oil.

### Recommendation/Instructions

If engine oil is found, it is important the following parts are replaced. If not, the condition will return.

1. Vacuum Pump
2. Vacuum Line between the booster and the pump
3. Brake Booster
4. Master Cylinder

### Parts Information

Part Number	Description	Qty
12669488	PUMP ASM-VAC	1
23144638 (VYU) or 23135228 (w/o VYU)	PIPE ASM-P/B BOOS VAC	1
23135220	BOOSTER ASM-P/B	1
20925765	CYLINDER-BRK MAS	1

## Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
2480118 *	Replace vacuum pump, vacuum pump to booster hose, vacuum brake booster, and brake master cylinder	2.8 hr
* This is a unique labor operation for bulletin use only.		

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

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PE18-012

GM

3-27-2019

Q7

PIT5361D



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Diagnostic Tip - Additional Brake Pedal Effort

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	Escalade	2015-2019		All	All	All	All
Chevrolet	Silverado 1500	2014-2018		All	All	All	All
Chevrolet	Silverado LD	2019		All	All	All	All
Chevrolet	Suburban	2015-2019		All	All	All	All
Chevrolet	Tahoe	2015-2019		All	All	All	All
GMC	Sierra 1500	2014-2018		All	All	All	All
GMC	Sierra Limited	2019		All	All	All	All
GMC	Yukon	2015-2019		All	All	All	All

### Supersession Statement

This PI was superseded to update the Model Years, Condition/Concern, Recommendation and Warranty sections. Please discard PIT5361C.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

In some rare situations, a customer may comment on a hard brake pedal or that increased effort is needed to depress the brake pedal. Also, in some cases a tick or ticking noise may be heard, which may sound like an exhaust manifold leak.

### Recommendation/Instructions

When following the SI diagnostics chart for "Brake Pedal Excessive Effort" it may lead to the "Brake System Vacuum Source Test". While performing this test, if low vacuum is found, inspect the vacuum pump belt. If no belt issues are found, suspect a faulty vacuum pump.

If the vacuum pump is found to be at fault, inspect the vacuum line and brake booster for the presence of engine oil.

**Important:** The vacuum pump is belt-driven and mounted to the side of the engine block and is lubricated by pressurized engine oil.

If NO engine oil is found, then ONLY replace the vacuum pump itself.

If engine oil is found, it is important that the following parts are replaced. If not, the condition will return.

1. Vacuum Pump
2. Vacuum Line between the booster and the pump
3. Brake Booster
4. Master Cylinder

**Note:** If the vacuum pump failed, please review the customer's maintenance records for proper oil change intervals. Poorly maintained vehicles can contribute to vacuum pump failures.

### Parts Information

Part Number	Description	Qty
12669488	PUMP ASM-VAC	1

23144638 (VYU) or 23135228 (w/o VYU)	PIPE ASM-P/B BOOS VAC	1
23135220	BOOSTER ASM-P/B	1
20925765	CYLINDER-BRK MAS	1

## Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
4023850	Vacuum Pump Assembly Replacement	Use Published Time
2480118 *	Replace vacuum pump, vacuum pump to booster hose, vacuum brake booster, and brake master cylinder	2.8 hr
* This is a unique labor operation for bulletin use only.		

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

## Additional SI Keywords

C0299

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