



## Preliminary Information

### PIP5528D Information Assistance for HFV6 Re-Manufactured Engine Misfire Diagnosis

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Allure (Canada Only)	2007 - 2016	ALL	ALL	3.0 LF1, 3.6 LY7, 3.6 LLT	ALL
Buick	Enclave	2007 - 2019	ALL	ALL	3.6 LY7, 3.6 LLT, 3.6 LFY	ALL
Buick	LaCrosse	2007 - 2016	ALL	ALL	3.0 LF1, 3.6 LY7, 3.6 LLT	ALL
Cadillac	ATS	2013 - 2015	ALL	ALL	3.6 LFX	ALL
Cadillac	CTS	2007 - 2016	ALL	ALL	2.8 LP1 3.0 LF1, 3.0 LFW, 3.6 LY7, 3.6 LLT, 3.6 LFX	ALL
Cadillac	SRX	2007 - 2016	ALL	ALL	2.8 LP1, 2.8 LAU, 3.0 LF1, 3.6 LY7, 3.6 LLT, 3.6 LFX	ALL
Cadillac	STS	2007 - 2011	ALL	ALL	3.6 LY7, 3.6 LLT	ALL
Cadillac	XTS	2013 - 2019	ALL	ALL	3.6 LFX, 3.6 LF3	ALL
Chevrolet	Camaro	2010 - 2015	All	All	3.6 LLT, 3.6 LFX	All
Chevrolet	Colorado	2015 - 2016	All	All	3.6 LFX	All
Chevrolet	Equinox	2007 - 2017	All	All	3.0 LF1, 3.0 LFW, 3.6 LFX	All
Chevrolet	Impala	2012 - 2019	All	All	3.6 LFX	All
Chevrolet	Malibu	2007 - 2012	All	All	3.6 LY7	All
Chevrolet	Traverse	2009 - 2019	All	All	3.6 LLT, 3.6 LFY	All
GMC	Acadia	2007 - 2017	All	All	3.6 LLT, 3.6 LY7	All
GMC	Canyon	2015 - 2016	All	All	3.6 LFX	All
GMC	Terrain	2010 - 2017	All	All	3.0 LF1, 3.0 LFW, 3.6 LFX	All
Pontiac	G6	2007 - 2009	All	All	3.6 LY7	All

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Pontiac	G8	2008 - 2009	All	All	3.6 LY7	All
Pontiac	Torrent	2008 - 2009	All	All	3.6 LY7	All
Saturn	Aura	2007 - 2010	All	All	3.6 LY7	All
Saturn	Outlook	2007 - 2010	All	All	3.6 LY7, 3.6 LLT	All
Saturn	Vue	2008 - 2010	All	All	3.6 LY7	All

Involved Region or Country	North America
Condition	Some dealers may experience a misfire immediately after installing a GM re-manufactured HFV6 engine, usually limited to 1 bank or 1 cylinder. This is usually a rear cylinder (5 or 6) but could be any.
Cause	This condition could be caused by a mistimed engine or an incorrect camshaft being installed.

### Correction:

If a misfire concern is found immediately after engine installation, perform normal misfire diagnostics. Make sure the misfire is not cause by ignition or fuel components that were not part of the engine assembly. If normal diagnostics do not lead to the cause, replace the engine again, do not go into the engine timing cover or heads.

### Additional SI Keywords

P0300, P0301, P0302, P0303, P0304, P0305, P0306,

### Version History

Version	5
Modified	10/05/2017 - Created on 02/19/2019 - Updated Correction Section 04/08/2019 - Updated Correction Section 06/24/2019 - Updated Correction Section 09/06/2019 - Updated Cause and Correction Sections.

