



# Preliminary Information

## PIP5613 Diagnostic Tips For DTC P0336

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Regal	2011 - 2013	All	All	2.0L LHU	All
Buick	Verano	2013 - 2016	All	All	2.0L LHU	All

Involved Region or Country	North America
Condition	In addition to having a DTC P0336 set, a vehicle may exhibit any or all of the following: Tachometer inoperative/erratic, engine extended crank before starting or a crank no start condition.
Cause	Possible damaged crankshaft reluctor

### Correction:

If SI diagnostics has not led to a resolution, try the following:

If the vehicle has an extended crank/crank no start condition, disconnect the Crankshaft Position Sensor electrical connector and verify the engine will start normally.

If now starting normally or no previous starting conditions were present (only DTC P0336 and/or tach inoperative), remove the Crankshaft Position Sensor and inspect the entire crankshaft reluctor thoroughly for any damage.

**Note: It only takes a small amount of damage to the crankshaft reluctor such as a ding or small dent to cause this issue, thorough inspection is recommended.**

It has been found that crankshaft reluctor damage can occur from foreign materials in the oil pan/crankcase such as pieces from a broken timing chain guide (from either a current condition or previous repair) identify source of foreign material and repair as needed.

This issue is currently under review and this PI will be updated to a Bulletin or incorporated into Service Information diagnostics.

### Version History

Version	1
Modified	12/05/2018 - Created on.

