



# Service Bulletin

File in Section: -

Bulletin No.: PIP5054A

Date: October, 2012

## PRELIMINARY INFORMATION

**Subject:** Intermittent MIL due to P0116 DTC but No Engine Performance Complaints - Reprogram ECM

**Models:** 2010-2011 Buick Lacrosse with 3.6L Engine (RPO LLT)

**This PI was superseded to update recommended field and add labor op. Please discard PIP5054.**

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

### Condition/Concern

Some customers may complain of a MIL and/or temperature message on the DIC shortly after cold starting the engine. It is unlikely that any engine performance concerns will be experienced but the customer may also complain of a loss of air conditioning during that drive cycle. Upon inspection, the technician will find a history DTC P0116 stored in the ECM.

Generally, this only occurs in areas with very hot ambient temperatures during the summer months and is most likely to occur on dark colored vehicles that have been sitting overnight with the engine off. As the morning sun beats on the hood of the vehicle long enough, the IAT sensor input may raise much higher than the ECT sensor input. When the engine is started and the ECM senses that the sensors disagree, DTC P0116 sets and the air conditioning compressor is disabled during that drive cycle.

### Recommendation/Instructions

If this concern is encountered, reprogram the ECM with the latest calibrations by following SI and TIS2Web instructions. The updated calibration is titled "New calibration with diagnostic enhancements for DTC P0116. Does not address any other service issues."

### Warranty Information

For vehicles repaired under warranty use:

| Labor Operation | Description                                  | Labor Time                         |
|-----------------|--|------------------------------------|
| J6350           | Engine Control Module Reprogramming with SPS | Use Published Labor Operation Time |

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.