

Please read this bulletin with the understanding that any “rough running” conditions can quickly deteriorate a catalytic converter and must be addressed before replacing any converter, or subsequent and continued damage is very likely.

## ENGINE CONTROLS - ROUGH IDLE ON COLD START UP

# PI0010: Rough Engine Idle on Cold Start Up - (Dec 15, 2009)

Subject: Rough Engine Idle on Cold Start Up

Models: 2010 Chevrolet Equinox  
2010 GMC Terrain  
Equipped with 2.4L Engine (VIN Code W - RPO LAF)

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

Condition/Concern:

Some customers may comment on a rough engine idle or rough running condition for the first few minutes of operation after the vehicle is cold started.

The customer will notice that after a few minutes of driving, the rough engine idle will go away. If the vehicle is not cold started, this condition will not be present.

Recommendation/Instructions:

### Important:

The revised calibration is identified with the description "New calibration to improve cold start driveability."

A revised calibration has been developed to address this condition. Technicians are to reprogram the ECM with the latest calibrations available. This new service calibration is available on TIS2WEB using the Service Programming System (SPS). Refer to the SPS procedures in SI.

When using a Tech 2(R) or a multiple diagnostic interface (MDI) for reprogramming, ensure that it is updated with the latest software version.

During programming, the battery voltage must be maintained within the proper range of 12-15 volts. Only use the approved Midtronics(R) PSC 550 Battery Maintainer (SPS Programming Support Tool EL-49642) or equivalent during programming.