



Preliminary Information

PIP5215A Post Catalyst Fuel Trim System High Limit DTC P2097

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Malibu	2013	All	All	2.5 LCV	All

Supersession Statement

This PI was superseded to update Recommendation/Instructions. Please discard PIP5215.

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

Condition / Concern

Some 2013 Malibu's may set an intermittent DTC P2097.

The post oxygen sensor has reached the limit of how much enrichment it can control.

This is because the sensor is sensing the exhaust stream is on the lean side.

Recommendations / Instructions

Check freeze frame/ failure records to determine what the short term/ long term fuel trims were when the DTC set.

If the fuel trims were adding fuel (positive counts above 13%) then it's possible that there is:

- an intake system leak, check hoses and lines, leak check purge solenoid, check intake bolts for being loose.
- non OEM/ quality air filter
- low/ restricted flow injectors, check the flow and if on low side, use an injector cleaner and retest to see if flow is improved / even cylinder to cylinder.

If the fuel trims are normal (-13% to 13%) when the DTC is set:

- Check that the post oxygen sensor heater and circuit are working
- Check for exhaust system leaks, can use evap tester to pressurize exhaust system and spray a soapy solution around the exhaust system joints looking for leaks.

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.

