



# Preliminary Information

PIP4406C Diagnostic Tip: Different ECMs and ECM Calibrations Available Depending on PCV Valve Style

## Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Aveo	2006 - 2008	All	All	1.6L L91/LXT	All
Pontiac	Wave	2006 - 2008	All	All	1.6L L91/LXT	All

## Supersession Statement

This PI was superseded to update Recommendation/Instructions. Please discard PIP4406B.

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

## Condition / Concern

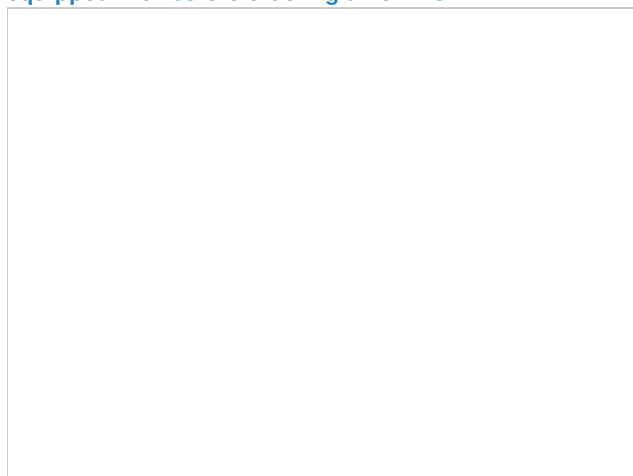
If ECM replacement is required it will be necessary to determine what style PCV system the vehicle is equipped with. As a result, TIS2Web requires the user to select "New PCV" or "Old PCV" so the correct calibrations that match the PCV system can be installed. Some 2008 Aveos come from the factory with this updated PCV system installed already.

If ECM replacement is necessary, the replacement ECM will have to match the PCV system because the ECMs come pre-programmed with calibrations that match the PCV system. As a result, the parts catalog lists two different ECMs - one with a user note that states "Together with PCV VLV (96942679)" and one without user notes.

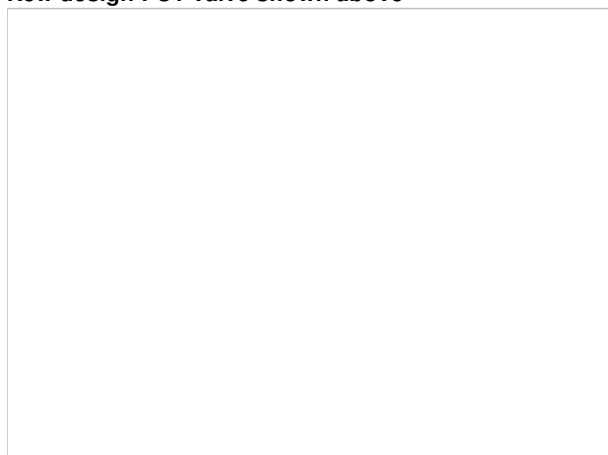
## Recommendations / Instructions

When ECM replacement or reprogramming is necessary, inspect the PCV valve to determine whether it is a new design PCV valve or an old design PCV valve. If the PCV valve looks like the first one below, made of metal, it is a new design PCV valve (96942679). If the PCV valve looks like the second one below, made of black plastic, then it is an old design PCV valve. Once this is determined, select the correct ECM or ECM calibrations using this information.

**Notice:** New and old design PCV valves are not readily interchangeable so it is important to determine what PCV style the vehicle is equipped with before ordering a new ECM.



New design PCV valve shown above



Old design PCV valve shown above

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.



© 2016 General Motors. All Rights Reserved.