



# Preliminary Information

## PIP4766B Hybrid Changes In Hardware And Operating Characteristics Of The Two Mode Hybrid System

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade	2010 - 2011	All	All	All	M99
Chevrolet	Silverado	2010 - 2011	All	All	All	M99
Chevrolet	Tahoe	2010 - 2011	All	All	All	M99
GMC	Sierra	2010 - 2011	All	All	All	M99
GMC	Yukon	2010 - 2011	All	All	All	M99

### Supersession Statement

This PI was superseded to update RPO Codes. Please discard PIP4766A.

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

### Condition / Concern

Information explaining 2010-2011 model year changes in operating characteristics and hardware of the Two-Mode hybrid system. (Hybrid Option RPO HP2)

### Recommendations / Instructions

1. Completely new software in the ECM, HPCM, MCM1, MCM2, and TCM. This software is not compatible with previous model years. The driving feel has some minor improvements, but behaves largely the same for the customer. Some noteworthy improvements are:

The engine will auto-stop while in reverse if the torque required to move the vehicle in reverse is too large, such as backing up on an incline, The engine will start and remain on until the transmission is shifted out of reverse. If the incline is steep, the engine may increase in speed in a step function causing a small bump. This is considered normal operation.

If conditions allow the engine may now autostop during remote vehicle starts.

2. New connectors on the transmission auxiliary fluid pump and auxiliary fluid pump control module. The connectors will be incompatible with model years prior to 2010.

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.



GENERAL MOTORS