



Service Bulletin

PRELIMINARY INFORMATION

Subject: Diagnostic Tip — Duramax Intermittent High Idle Or Elevated Idle Descriptions

Models: 2010-2015 Chevrolet Express, Silverado
 2010-2015 GMC Savana, Sierra
 Equipped with the 6.6 Duramax Diesel Engine RPO codes LGH and LML

This PI was superseded to update Model Years. Please discard PIP4912B.

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

Condition/Concern

A dealer may encounter a customer concern of an intermittent high idle. High idles may be commanded by the ECM for certain battery charging electrical loads or diesel particulate filter (DPF) cleaning processes.

These idle up speeds may occur with no input from the customer. Idle speed descriptions are included below.

GMT610 IDLE SPEEDS				
REASON	RPM	Conditions/Constraints	Enablement	Trans Gear
BASE IDLE	680	Warm engine		P,N,D
	680-850	Base engine curve -Varies with coolant 680-850 temps from -40C to 150C		P,N,D
Manual elevated idle (UF3)	1200 (default)	680 -1300 RPM selectable via Tech2	set parking brake, cruise ON. cruise SET	P,N
Cold temp warm-up (EPR)	680-1200	RPM level varies with coolant temp disabled once coolant temp reaches 68C delayed for extremely low coolant temps	Enabled by selection through DIC	P, N
DPF Regen	800	During Regen and post-regen cooldown, & HC clean-out		
AIC	NfA	AIC idle speed request disabled by platform for 2011		

Low battery voltage	725	Assist battery charging	Level 1 Based on Platform BCM module request	P,N
	850	Further assist battery charging	Level 2 Based on Platform BCM module request	P,N
	850	Further assist battery charging	Level 3 Based on platform BCM module request	P,N

GMT900 LML IDLE SPEEDS

REASON	I RPM	Conditions/Constraints	Enablement	Trans Gear
BASE IDLE	640	Warm engine		P,N,D
	640-850	Base engine curve -Varies with coolant temps from -40C to 150C		P,N,D
Manual elevated idle (UF3)	1200 (default)	680 -1300 RPM selectable via Tech2	set parking brake, cruise ON, cruise SET	P,N
Cold temp warm-up (EPR)	640-1050	RPM level varies with coolant temp disabled once coolant temp reaches 68C delayed for extremely low coolant temps	Enabled by selection through DIC	P,N
DPF Regen	800	During Regen and post-regen cooldown, & HC clean-out	auto	P,N,D
AIC	N/A	AIC idle speed request disabled by platform for 2011	None	P,N
Low battery voltage	750	Assist battery charging	Level 1 Based on Platform BCM module request	P,N
	900	Further assist battery charging	Level 2 Based on Platform BCM module request	P,N
	1050	Further assist battery charging	Level 3 Based on Platform BCM module request	P,N

GMT900 LGH IDLE SPEEDS

REASON	RPM	Conditions/Constraints	Enablement	Trans Gear
BASE IDLE	600	Warm engine		P,N,D
	600-850	Base engine curve -Varies with coolant temps from -40C to 150C		P,N,D

Manual elevated idle (UF3)	1200 (default)	680 -1300 RPM selectable via Tech2	Set parking brake, cruise ON, cruise SET	P,N
Cold temp warm-up (EPR)	600-1050	RPM level varies with coolant temp disabled once coolant temp reaches 68C delayed for extremely low coolant temps	Enabled by selection through DIC	P,N
DPF Regen	800	During Regen and post-regen cool-down, & HC clean-out	auto	P,N,D
AIC	NIA	AIC idle speed request disabled by platform for 2011	None	P,N
Low battery voltage	750	Assist battery charging		P,N
	900	Further assist battery charging		P,N
	1050	Further assist battery charging		P,N

Recommendation/Instructions

If a dealer has duplicated, or the customer description aligns with the speeds mentioned in the idle speed description tables, the idle speed should be considered a normal characteristic of current vehicle design. Do not attempt repairs for intermittent high idle as described in this PI.

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.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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