



Service Bulletin

TECHNICAL

Subject: Brakes Apply When in Reverse After Vehicle has Cold Soaked in Temperatures Under 50°F (10°C)

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	CT6	2016	2017	SOP	March 1, 2017		
	XT5	2017	2017				

Involved Region or Country	North America and N.A. Export Regions
Additional Options (RPOs)	UGN, UVZ
Condition	Some customers may comment that the brakes apply when going in Reverse when nothing is behind them. Some customers may also comment that the brakes only seem to apply when the vehicle sits for a few hours when its cold outside, but fine after vehicle has warmed up.
Cause	This condition may be caused by the Rear Short Range Radar which exhibits performance degradation at cold ambient temperatures (below 50°F (10°C) and can cause an unintended brake activation while reversing. This condition often and most likely occurs in the morning (after a vehicle has been cold soaked overnight) or left outside for several hours with temperatures below 50°F (10°C). The condition will not be reproducible once the sensor reaches above 50°F (10°C) due to self-heating and can be misdiagnosed as not repeatable case at dealerships.
Correction	Note: Do not replace short range radar as it is not a hardware related issue. It is software related and will be resolved once software is updated. Update the Short Range Radar Sensor I Module using the Service Programming System (SPS) with the latest calibrations available on TIS2WEB.

Parts Information

No parts are required for this repair.

Warranty Information

Labor Operation	Description	Labor Time
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2810655*	Radar Sensor Module - Short Range Reprogramming with SPS	Use Published Labor Operation Time
Note: When submitting this Warranty Claim, please include this bulletin number in the "Correction Verbatim."		

Service Procedure

Important: Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the EL-49642 SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.

Refer to *Radar Sensor Module - Short Range Programming and Setup* in SI.

Version	1
Modified	

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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