



Service Bulletin

INFORMATION

Subject: Non-Design Intent Wheel Lock Nuts and Lug Nuts

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick Cadillac Chevrolet GMC	All GM Passenger Cars and Trucks	2000	2018			All	All

Involved Region or Country	Global
Condition	This informational bulletin is to provide you with information on the effect of having non-design intent lock nuts on a vehicle and the potential cause for corrosion of the wheel studs due to incorrect lug nuts or lug locks.
Correction	Use only lug nuts or locking lug nut kit released for the vehicle.

Information

The effect of having non-design intent lock nuts on a vehicle is the potential for corrosion of the wheel studs.

An open-ended lock nut is not intended for a decorative wheel (is intended for use behind trim only) and non-intended wheel stud exposure in addition to the removal of the top coat corrosion protection when the nut is torqued down can lead to corrosion.

Wheel stud corrosion has the potential to cause vehicle vibration due to the increase in friction of that particular fastener/joint location causing a decrease in tension at the owner's manual torque value. There is also potential for nut/stud seizure due to the corrosion. With the lowered tension on the lock nut stud due to corrosion (or others studs that had lock nut at other point in time), there is potential for fracture of adjacent studs due to attachment overloading. Because, corroded attachment(s) do not generate the proper clamp load at the installed service torque value. Unresolved, wheel stud corrosion could lead to vehicle vibration, additional wheel stud fractures leading to possible wheel detachment.

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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