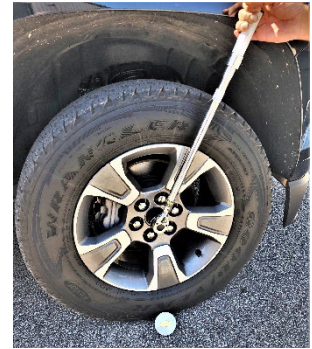


Wheel Bearing Damage Guide

OE GOLD

If installed and used correctly a properly designed and manufactured wheel bearing should last 100,000 miles, but due to numerous potential failure modes listed in this document, they can fail prematurely.

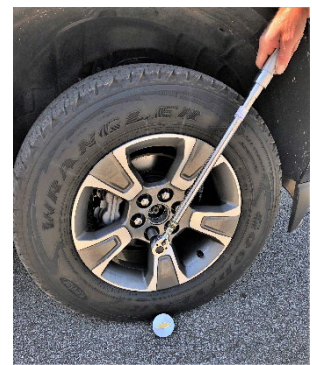
Rank	Issues	Symptom
Very Common	Loss of bearing retention due to axle nut under torqued leading to water and/or contaminants entering the bearing and loss of seal function	Grinding or humming noise (volume increases when turning and decreases when straightening)
Very Common	Internal bearing damage caused by axle nut over torque leading to excessive internal stress and early failure	
Common	Excessive shock loading from curb impact or pot-holes	
Not As Common	Excessive load conditions from improper vehicle use or alterations not intended for the application	
Not As Common	Water and/or contaminants enter the bearing due to abusive driving in high water conditions	
Common	ABS cable not correctly routed when installed resulting in cut or damaged cable	ABS light
Common	Axle nut not torqued to specification leading to loss of bearing retention	Clunking noise ABS light
Not As Common	Installer not utilizing ABS sensor cable supplied with bearing resulting in defective ABS signal	ABS light
Not As Common	Lug nuts not torqued to specification	Wheel wobble or vibration



Over or Under torqued axle nut(s)



Excessive shock loading from potholes / curb impact



Over or Under torqued lug nut(s)