



# Service Bulletin

Bulletin No.: 22-NA-034

Date: February, 2022

## INFORMATION

**Subject: EV Normal Characteristic – Traction Steer**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Bolt EV	2017	2022	—	—	All	All
	Bolt EUV	2022	2022				

<b>Involved Region or Country</b>	North America, Brazil, Middle East, GM Korea Company
<b>Condition</b>	Some customers may comment that the vehicle pulls left/right under acceleration.
<b>Cause</b>	<p>This condition may be due to one of the following causing the vehicle to pull left/right under acceleration:</p> <ul style="list-style-type: none"> <li>• Vehicle out of alignment</li> <li>• Mismatched left versus right front tires</li> <li>• Worn front suspension components</li> <li>• Road conditions</li> <li>• Traction Steer</li> </ul> <p><b>Note:</b> It may be very difficult to diagnose the actual root cause without having a detailed conversation with the customer and/or road testing the vehicle.</p>
<b>Correction</b>	<p>If the customer describes the vehicle as always pulling in the same direction, excessive torque steer may be present. Review Torque Steer and Torque Steer Description in SI. Refer to <i>Torque Steer</i> in the Service Manual for additional details and also inspect for worn front suspension or propulsion system mounting components before proceeding with a vehicle alignment.</p> <p>If the customer describes the pull as occurring both to the right and the left depending on road traction conditions, the customer may be experiencing what is referred to as traction steer. This is a result of the combination of high drive torque of the propulsion system and front wheel drive platform. It is caused by unequal tractive forces at the two front tire patches. These unequal forces are the result of slight wheel speed differences between the front left and front right wheels during acceleration. The unequal wheel speeds cause unequal torque output from the drive unit differential to the left and right drive axles due to internal differential friction. The end result is the vehicle will pull toward the side with the slightly higher wheel speed. The direction of the pull can change from side to side, and sometimes change very quickly.</p> <p>If the customer is experiencing Traction Steer, please advise them that this is normal operating behavior of their vehicle under the specific conditions described above. Leaving Traction Control on will usually help minimize traction steer disturbances, but disturbances will still be noticeable under certain road / acceleration conditions.</p>

### Service Procedure

No repairs should be attempted for this Traction Steer behavior. Performance and long-term durability are **NOT** impacted.

Please communicate to the customer that the steering system is functioning as designed and this is a normal condition of their vehicle. Please share this information with the customer, including a copy of this message.

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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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