Service Bulletin

Bulletin No.: 22-NA-034
Date: May, 2023

INFORMATION

Subject: EV Normal Characteristic – Traction Steer

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Bolt EV	2017	2023	—	—	All	All
	Bolt EUV	2022	2023				

Involved Region or Country	North America, Brazil, GM Korea Company
Condition	Some customers may comment that the vehicle pulls left/right under acceleration.
Cause	This condition may be due to one of the following causing the vehicle to pull left/right under acceleration: • Vehicle out of alignment • Mismatched left versus right front tires • Worn front suspension components • Road conditions • Traction Steer **Note:** 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.
Correction	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 *Torque Steer* 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. 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. 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.

Service Procedure

Important: This technical service bulletin (TSB) can only be completed by certified repair facilities who have met all specific training, tool and equipment requirements pertaining to the vehicle Brand and Model serviced. Repairs must be performed by a technician who has successfully completed the required training.

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 bulletin.

Version	2
Modified	Released February 09, 2022 Revised May 10, 2023 – Added the 2023 Model Year, updated the Involved Region or Country section and added an Important statement at the beginning of the Service Procedure.