

**2023MY Sportage
Brake Booster
Basis of Safety Defect Determination 573.6(c)(6)**

January 5, 2023	Kia North America (Kia NA) Product Quality submits Quality Information Report to Kia Georgia identifying brake booster vacuum leak causing lean combustion diagnostic trouble codes (DTCs) in certain 2023MY Sportage vehicles.
January 6 – March 14, 2023	Kia Georgia works with supplier to investigate brake booster vacuum leak condition and identifies a gap in the brake booster shell that may allow the booster diaphragm to slip out of position.
March 15 – April 5, 2023	<p>Kia Georgia communicates issue to Kia Corporation (Kia HQ) and both begin to investigate cause of condition.</p> <p>Kia HQ requests that Kia NA Safety Office conduct a vehicle inspection with Kia Georgia and supplier to identify whether any vehicle assembly process issues may exist. Kia NA Safety Office begins effort to locate 2023MY Sportage for inspection.</p>
April 14, 2023	Kia NA Safety Office conducts preliminary analysis of warranty data and identifies 65 unique VINs with complaint of hard brake pedal. No crashes due to hard brake pedal.
May 10, 2023	Kia NA Safety Office, Kia Georgia, and supplier inspect 2023MY Sportage with brake booster diaphragm leak in Rochester, NY. Inspection confirms vehicle assembly process did not contribute to vacuum leak condition. Cause of internal vacuum leak preliminarily determined to be due to misaligned brake booster diaphragm.
May 11, 2023	Kia NA Safety Office escalates issue to SEL based on vehicle inspection results.
May 12 – May 30, 2023	Kia Georgia continues to investigate issue with supplier, including identification of potential vehicle scope.
May 31, 2023	<p>Kia NA Safety Office updates field data analysis and finds an additional 8 incidents for a total of 73 incidents of hard brake pedal due to brake vacuum booster failure across Kia data sources (dates of receipt 3/24/2022-5/16/2023). Kia Georgia confirms vehicle scope that may be affected by issue.</p> <p>Kia NA decides to recall certain 2023 Sportage vehicles. No crashes, injuries or fatalities.</p>