

**2023-2024MY Sportage & 2022-2024MY Carnival  
Roof Molding  
Basis of Safety Defect Determination 573.6(c)(6)**

September 25, 2023— October 10, 2023	During routine review of field data, Kia North America (Kia NA) Safety Office identifies increasing number of incidents of loose and missing roof moldings in 2024MY Carnival and 2023MY Sportage vehicles. Kia NA Safety Office escalates issue to SEL for further evaluation, shares preliminary data analysis with Kia Corporation (Kia HQ) and requests further information.
October 11, 2023— November 17, 2023	<p>Due to difficulty in obtaining detached incident roof molding parts, Kia HQ conducts duplication testing on an exemplar Sportage and Carnival vehicle to identify potential failure modes. Kia HQ identifies 1) no interference between roof molding retaining clip and roof panel sealer when sealer applied normally; 2) roof molding does not detach regardless of vehicle speed when retaining clips properly installed; and 3) roof molding detached from both exemplar vehicles when four front retaining clips intentionally and improperly installed and vehicle driven at speeds higher than 90 mph.</p> <p>Kia HQ shares duplication test results with Kia NA Safety Office and makes request to conduct vehicle inspections to identify condition of incident vehicles.</p>
December 19, 2023— December 21, 2023	Kia NA Safety Office and Kia HQ inspect two (2) Sportage and eight (8) Carnival incident vehicles exhibiting loose or missing roof moldings. Inspections identify interference between roof molding retaining clips and roof panel sealer and/or improperly installed roof molding retaining clips.
January 8, 2024	Kia HQ informs Kia NA Safety Office that it is possible that roof molding may detach from vehicle if the front retaining clips becomes loose (either from interference with roof panel sealer or improper installation) under certain conditions.
January 10, 2024	Kia NA Safety Office updates data analysis across all data sources and identifies 492 unique incidents for 2023-2024MY Sportage: (dates of receipt: 5/23/2022—1/9/2024) and 365 unique incidents for 2022-2024MY Carnival (dates of receipt: 6/21/2021—1/8/2024)]. No crashes or injuries.
January 11, 2024	Kia NA decides to recall certain 2023-2024MY Kia Sportage and certain 2022-2024MY Kia Carnival vehicles. No crashes or injuries.