

**2020-2022MY Niro EV
Rearview Camera
Basis of Noncompliance Determination 573.6(c)(6)**

December 6, 2024	As part of routine review of field data, Kia North America (Kia NA) Safety Office identifies a potential trend in 2022MY Niro EV rearview camera warranty replacement claims.
December 16, 2024	Kia NA Safety Office initiates collection of rearview cameras replaced under warranty for further investigation.
January 7, 2025 - February 3, 2025	Kia NA Safety Office collects six (6) warranty returned parts and works with supplier to conduct functionality test which identifies a green or blank screen. Parts shipped to Kia Corporation (Kia HQ) for further investigation.
February 14-March 17, 2025	Kia NA Safety Office collects three (3) additional rearview cameras replaced under warranty and ships to Kia HQ.
April 15, 2025	Kia HQ informs Kia NA Safety Office of inspection of nine (9) warranty returned parts. Seven (7) of nine (9) parts show signs of damage to various printed circuit board (“PCB”) components potentially due to voltage surges. No damage identified in remaining two (2) rearview cameras. Parts sent to suppliers for additional analysis.
May 19, 2025	Kia HQ shares supplier tear down analysis of the nine (9) shipped parts with Kia NA Safety Office. Cause of damage to PCB components unable to be identified.
June 9, 2025	Kia NA Safety Office and supplier conduct voltage surge testing of exemplar vehicles, while monitoring the rearview camera power circuit. Voltage surge observed on exemplar vehicle equipped with navigation system head unit with 10.25-inch touchscreen display. No rearview camera blank or inoperative condition identified in either vehicle.
June 12, 2025	Kia NA Safety Office regulatory review determines a rearview camera which displays a green or blank screen fails to comply with the rear visibility requirements of Federal Motor Vehicle Safety Standard (FMVSS) 111. Kia NA decides to conduct a noncompliance recall of certain 2020-2022MY Niro EV vehicles equipped with navigation system head units. No crashes, injuries or fatalities.