

2021-2022MY K5 MDPS Control Logic Chronology
Basis of Safety Defect Determination 573.6(c)(6)

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| May 7 - May 26, 2021 | During the R&D Center's review of various vehicle control system logics for purposes of new vehicle development, R&D identifies that the control logic for the Rack-Mounted Motor Driven Power Steering (R-MDPS) system in the subject 2021-2022MY K5 vehicles lack a communication fault diagnosis feature. On May 26, 2021, Kia Corporation (Kia HQ) notifies Kia North America (Kia NA) of the software error and possible safety concern under certain driving conditions. |
| May 27-June 8, 2021 | Upon receipt of the information, Kia NA requests additional technical information from Kia HQ. Kia NA begins its evaluation of the issue and confirms no reported field incidents in the U.S. market. On June 8, 2021, Kia NA test drives a subject K5 vehicle and recreates issue to confirm circumstances and severity of steering effect. |
| June 8, 2021 | Based on its evaluation of the issue and the potential risk of a crash due to increased steering effort, Kia NA decides to conduct a recall. No customer complaints or warranty claims. No fatalities, injuries or crashes. |