

Part 573 Safety Recall Report

21V-447

Manufacturer Name : Kia Motors America**Submission Date :** JUN 14, 2021**NHTSA Recall No. :** 21V-447**Manufacturer Recall No. :** SC213**Manufacturer Information :**

Manufacturer Name : Kia Motors America

Address : 111 Peters Canyon Road
Irvine CA 92606

Company phone : 800-333-4542

Population :

Number of potentially involved : 846

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2022 Kia K5

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2021-2022 model year Kia K5 vehicles equipped with 2.5L T-GDI engines, manufactured from November 16, 2020 through May 12, 2021.

The recall population was determined by a review of vehicle production records. The vehicles subject to this recall were not produced in VIN order. Customers seeking information about their specific vehicle will be referred to Kia's Consumer Assistance Center or their Kia dealer.

Production Dates : NOV 16, 2020 - MAY 12, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The control logic for the Rack-Mounted Motor Driven Power Steering (R-MDPS) system lacks a communication fault diagnosis feature. If such communication fault occurs while the vehicle is driven around a curve with Lane Following Assist (LFA) engaged, the MDPS may retain the vehicle's pre-fault steering assist level, even after the vehicle exits the curve. If this occurs, increased steering effort can result, increasing the risk of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Increased steering effort increases the risk of a crash.**Description of the Cause :** Lack of fault diagnosis feature in the MDPS control logic**Identification of Any Warning :** Warnings to the driver include an audible alarm, illumination of the master

that can Occur : warning light, a warning message "Check Lane Following Assist [LFA] system" and/or the MDPS warning light.

Involved Components :

Component Name 1 : R-MDPS Unit

Component Description : Rack Mounted Motor Driven Power Steering Unit

Component Part Number : 57700-L3000

Supplier Identification :

Component Manufacturer

Name : Hyundai Mobis

Address : 87, Seongsanpaechong-ro, Seongsan-gu
Changwon-Si, Gyeongsangnam-do Foreign States

Country : Korea, Republic of

Chronology :

See attached document titled "2021-2022MY K5 MDPS Control Logic Chronology"

Description of Remedy :

Description of Remedy Program : All owners of the subject vehicles will be notified by first class mail with instructions to bring their vehicles to a Kia dealer to have the MDPS software logic updated to a version that recognizes communication faults.

Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed May 11, 2020.

How Remedy Component Differs from Recalled Component : Updated control logic software.

Identify How/When Recall Condition was Corrected in Production : The MDPS software logic update will be applied when production of the K5 vehicles equipped with 2.5L T-GDI engine resumes. There has been no production of the subject vehicles since 5/13/2021 due to a semi-conductor shortage. A total of 867 vehicles were produced during the identified production range. However, 21 vehicles were held at the plant and thus are not part of the recall population.

Recall Schedule :

Description of Recall Schedule : The dealer notification is scheduled for June 16, 2021 and the owner notification is scheduled for June 24, 2021.

Planned Dealer Notification Date : JUN 16, 2021 - JUN 16, 2021

Planned Owner Notification Date : JUN 24, 2021 - JUN 24, 2021

* NR - Not Reported