



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION



Investigation: AQ23002
Prompted By: 16 Hyundai and Kia Recalls
Date Opened: 11/17/2023
Investigator: Choon Lee **Reviewer:** Alexander Ansley
Approver: Tanya Topka
Subject: Hyundai and Kia ABS Module Fires

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Mando America Corporation
Affected Manufacturers: Hyundai Motor America / Kia America, Inc.
Products: Various Hyundai and Kia vehicles
Population: 6,383,145

Problem Description: To review the 16 Hyundai and Kia recalls conducted since 2016, involving 6,383,145 vehicles for potential ABS module fires.

ACTION/SUMMARY INFORMATION

Action: Open Audit Query (AQ)

Summary:

The Office of Defects Investigation (ODI) has received eight Hyundai Motor America (Hyundai) and eight Kia America, Inc. (Kia) Part 573 Recall Reports between 2016 and 2023. The combined 16 safety recalls all involve the antilock braking system (ABS) modules or Hydraulic Electronic Control Units (HECU) manufactured by the equipment supplier Mando. The Part 573 Recall Reports contain varying defect descriptions and differing remedy descriptions for the same or similar equipment supplied by Mando.

Safety recalls included in this Audit Query (AQ) review include:

Hyundai recalls 20V-520, 20V-543, 21V-161, 21V-160, 21V-303, 22V-056, 22V-810, and 23V-651.

Kia recalls 16V-815, 20V-518, 20V-519, 21V-137, 21V-331, 22V-051, 22V-800, and 23V-652

The purpose of this AQ is to evaluate the timeliness and scoping of Hyundai and Kia's defect decision making and adherence with reporting requirements; and understand the varying defect descriptions and remedies between these recalls.

Part 573 Safety Recall Report

16V-815

Manufacturer Name : Kia Motors America**Submission Date :** NOV 04, 2016**NHTSA Recall No. :** 16V-815**Manufacturer Recall No. :** SC138**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 : 71,704

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2008-2009 Kia Sportage

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : 2008- 2009MY Sportage vehicles

Production Dates : AUG 09, 2007 - MAY 13, 2009

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Corrosion of the wire harness connector pins in the Hydraulic Electronic Control Unit (HECU) assembly can occur due to improper sealing of the HECU's wire harness cover. If moisture contaminated with road salt reaches the HECU's circuit board, electrical short circuits may occur to the circuit board, which could lead to an engine compartment fire. However, the presence of salt water in the HECU does not affect brake performance.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the HECU circuit board experiences a short circuit, a thermal event can result, including the possibility of an engine compartment fire.

Description of the Cause : Improper sealing of the HECU's wire harness cover permits salt water to eventually reach the electrical circuit board through corroded connector pins.

Identification of Any Warning that can Occur : If an electrical short circuit occurs, the ESC warning light may illuminate.

Supplier Identification :**Component Manufacturer**

Name : Mando
Address : 32, Hamanho-Gil,
Poseung-Eup, Pyeongtaek-City Gyeonggi-Do FOREIGN STATES 451-821
Country : Korea, Republic of

Chronology :

See attached document titled "2008-2009 MY Sportage HECU Connector Chronology"

Description of Remedy :

Description of Remedy Program : Owners of the subject vehicles will be notified by first class mail with instructions to bring their vehicles to a Kia dealer for inspection and repair:

Dealers will be instructed to inspect the connector pins for corrosion. If no corrosion is identified, dealers will replace the connector cover with a new one. If corrosion is present, dealers will replace the HECU assembly and connector cover with a new one. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed March 21, 2016.

How Remedy Component Differs from Recalled Component : The newly produced connector cover for the remedy has an improved sealing.

Identify How/When Recall Condition was Corrected in Production : The supplier discontinued use of the HECU wire harness connector beginning with the 2010MY.

Recall Schedule :

Description of Recall Schedule : NR
Planned Dealer Notification Date : NOV 22, 2016 - NOV 22, 2016
Planned Owner Notification Date : NOV 28, 2016 - NOV 28, 2016

* NR - Not Reported

Part 573 Safety Recall Report

23V-651

Manufacturer Name : Hyundai Motor America**Submission Date :** SEP 22, 2023**NHTSA Recall No. :** 23V-651**Manufacturer Recall No. :** 251**Manufacturer Information :**

Manufacturer Name : Hyundai Motor America

Address : 10550 Talbert Avenue

Fountain Valley CA 92708

Company phone : 800-633-5151

Population :

Number of potentially involved : 1,642,551

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2012-2015 Hyundai Accent

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The subject vehicles include 240,589 model year 2012-2015 Hyundai Accent vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : MAR 05, 2011 - OCT 31, 2014

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2012-2015 Hyundai Azera

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The subject vehicles include 29,232 model year 2012-2015 Hyundai Azera vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : NOV 29, 2011 - OCT 31, 2014

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2011-2015 Hyundai Elantra

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The subject vehicles include 777,145 model year 2011-2015 Hyundai Elantra vehicles produced on the specified dates by Hyundai Motor Company ("HMC") and Hyundai Motor Manufacturing Alabama ("HMMA") for sale in the U.S. market.

Production Dates : OCT 29, 2010 - NOV 13, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 4 : 2013-2015 Hyundai Elantra Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : The subject vehicles include 22,481 model year 2013-2015 Hyundai Elantra Coupe vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : MAR 16, 2012 - OCT 30, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 5 : 2014-2015 Hyundai Equus

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The subject vehicles include 6,013 model year 2014-2015 Hyundai Equus vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : APR 12, 2013 - OCT 29, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 6 : 2011-2015 Hyundai Genesis Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : The subject vehicles include 51,789 model year 2011-2015 Hyundai Genesis Coupe vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : SEP 01, 2010 - OCT 31, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 7 : 2013-2015 Hyundai Santa Fe

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The subject vehicles include 45,322 model year 2013-2015 Hyundai Santa Fe vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : OCT 17, 2012 - OCT 31, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 8 : 2013-2013 Hyundai Santa Fe Sport

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The subject vehicles include 75,554 model year 2013 Hyundai Santa Fe Sport vehicles produced on the specified dates by Kia Motors Manufacturing Georgia ("KMMG") for sale in the U.S. market.

Production Dates : JUL 12, 2012 - JUN 15, 2013

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 9 : 2010-2013 Hyundai Tucson

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The subject vehicles include 170,402 model year 2010-2013 Hyundai Tucson vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : DEC 08, 2009 - AUG 19, 2013

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 10 : 2015-2015 Hyundai Tucson Fuel Cell

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : CNG/LPG

Descriptive Information : The subject vehicles include 60 model year 2015 Hyundai Tucson Fuel Cell vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : APR 28, 2014 - OCT 23, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 11 : 2011-2015 Hyundai Sonata Hybrid
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include 83,213 model year 2011-2015 Hyundai Sonata HEV (Hybrid) vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : DEC 02, 2010 - OCT 31, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 12 : 2012-2015 Hyundai Veloster
Vehicle Type : LIGHT VEHICLES
Body Style : HATCHBACK
Power Train : GAS

Descriptive Information : The subject vehicles include 116,911 model year 2012-2015 Hyundai Veloster vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : JUL 02, 2011 - OCT 31, 2014

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 13 : 2010-2012 Hyundai Veracruz
Vehicle Type : LIGHT VEHICLES
Body Style : SUV
Power Train : GAS

Descriptive Information : The subject vehicles include 23,840 model year 2010-2012 Hyundai Veracruz vehicles produced on the specified dates by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : DEC 24, 2009 - AUG 09, 2012

VIN Range 1 : Begin : NR End : NR Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with Anti-Lock Brake System ("ABS") modules that could leak brake fluid internally and cause an electrical short over time.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An electrical short could result in significant overcurrent in the ABS module increasing the risk of an engine compartment fire while parked or driving.

Description of the Cause : Certain ABS motor shaft O-ring material formulations may be susceptible to physical changes over time due to varying factors, including vehicle ABS

specifications and/or the presence of foreign contaminants in the brake fluid, such as moisture, dirt, and dissolved metals, which could affect sealing strength and result in brake fluid leaking onto the ABS controller PCB.

Identification of Any Warning that can Occur :

1. Smoke from the engine compartment.
2. Burning/melting odor.
3. Illumination of the MIL and/or ABS light.

Involved Components :

Component Name 1 : ABS Assembly

Component Description : ABS module

Component Part Number : 58900-*****

Supplier Identification :

Component Manufacturer

Name : Mando

Address : 32, Hamanho-gil, Poseung-eup
Foreign States

Country : Korea, Republic of

Chronology :

Please see Attachment A

Description of Remedy :

Description of Remedy Program : Owners can continue driving these vehicles; however, Hyundai recommends parking their vehicles outside and away from structures until the recall remedy is completed. All owners of the subject vehicles will be notified by first class mail with instructions to bring their vehicles to a Hyundai dealer for replacement of the ABS fuse. This remedy will be offered at no cost to owners for all affected vehicles, regardless of whether the affected vehicles are still covered under Hyundai's New Vehicle Limited Warranty. Additionally, Hyundai will provide owners of affected vehicles reimbursement for out-of-pocket expenses incurred to obtain a remedy for the recall condition in accordance with the reimbursement plan submitted to NHTSA on February 24, 2022.

How Remedy Component Differs from Recalled Component : The remedy fuse is rated at a lower amperage to effectively limit the operating current of the ABS module.

Identify How/When Recall Condition was Corrected in Production : The ABS motor shaft O-ring material formulation was changed by the supplier in September 2014 and February 2015 at the Korea and U.S. plants, respectively.

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified by the specified dates.

Planned Dealer Notification Date : NOV 21, 2023 - NOV 21, 2023

Planned Owner Notification Date : NOV 21, 2023 - NOV 21, 2023

* NR - Not Reported

Part 573 Safety Recall Report

23V-652

Manufacturer Name : Kia America, Inc.**Submission Date :** SEP 25, 2023**NHTSA Recall No. :** 23V-652**Manufacturer Recall No. :** SC284**Manufacturer Information :**

Manufacturer Name : Kia America, Inc.

Address : 111 Peters Canyon Road
Irvine CA 92606

Company phone : 800-333-4542

Population :

Number of potentially involved : 1,730,192

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2010-2019 Kia Borrego

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2010-2019 model year Borrego vehicles equipped with Electronic Stability Control manufactured from November 27, 2009 through June 14, 2018 sold only in the U.S. Territories (62 units).

The recall population was determined by a review of vehicle production and supplier 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 27, 2009 - JUN 14, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2014-2016 Kia Cadenza

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2014-2016 model year Cadenza vehicles equipped with Electronic Stability Control manufactured from February 1, 2013 through January 7, 2016 (30,362 units).

The recall population was determined by a review of vehicle production and supplier 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 : FEB 01, 2013 - JAN 07, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2010-2013 Kia Forte/Forte Koup

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2010-2013 model year Forte/Forte Koup vehicles equipped with Electronic Stability Control manufactured from August 18, 2010 through March 22, 2013 (179,051 units).

The recall population was determined by a review of vehicle production and supplier 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 : AUG 18, 2010 - MAR 22, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2015-2018 Kia K900

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2015-2018 model year K900 vehicles equipped with Electronic Stability Control manufactured from December 18, 2013 through October 30, 2017 (5,015 units).

The recall population was determined by a review of vehicle production and supplier 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 : DEC 18, 2013 - OCT 30, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2011-2015 Kia Optima (Hwasung)

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2011-2015 model year Optima vehicles equipped with Electronic Stability Control manufactured at Hwasung plant from August 12, 2010 through July 23, 2015 (148,753 units).

The recall population was determined by a review of vehicle production and supplier 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 : AUG 12, 2010 - JUL 23, 2015

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2012-2013 Kia Optima (Kia Georgia)

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2012-2013 model year Optima vehicles equipped with Electronic Stability Control manufactured at Kia Georgia from August 12, 2011 through July 11, 2013 (234,629 units).

The recall population was determined by a review of vehicle production and supplier 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 : AUG 12, 2011 - JUL 11, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2011-2013 Kia Optima Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : Certain 2011-2013 model year Optima Hybrid vehicles equipped with Electronic Stability Control manufactured from February 15, 2011 through December 12, 2013 (32,891 units).

The recall population was determined by a review of vehicle production and supplier 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 : FEB 15, 2011 - DEC 12, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2012-2017 Kia Rio

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2012-2017 model year Rio vehicles equipped with Electronic Stability Control manufactured from June 21, 2011 through March 31, 2017 (207,746 units).

The recall population was determined by a review of vehicle production and supplier 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 : JUN 21, 2011 - MAR 31, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2011-2014 Kia Sorento

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2011-2014 model year Sorento vehicles equipped with Electronic Stability Control manufactured from March 3, 2010 through June 14, 2013 (397,163 units).

The recall population was determined by a review of vehicle production and supplier 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 : MAR 03, 2010 - JUN 14, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2011-2013 Kia Soul

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2011-2013 model year Soul vehicles equipped with Electronic Stability Control manufactured from June 9, 2010 through October 2, 2013 (349,309 units).

The recall population was determined by a review of vehicle production and supplier 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 : JUN 09, 2010 - OCT 02, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2010-2013 Kia Sportage

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2010-2013 model year Sportage vehicles equipped with Electronic Stability Control manufactured from May 26, 2009 through October 7, 2013 (143,615 units).

The recall population was determined by a review of vehicle production and supplier 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 : MAY 26, 2009 - OCT 07, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 12 : 2010-2010 Kia Rondo

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2010 model year Rondo vehicles equipped with Electronic Stability Control manufactured from September 19, 2009 through July 30, 2010 (1,484 units).

The recall population was determined by a review of vehicle production and supplier 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 : SEP 19, 2009 - JUL 30, 2010

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 13 : 2011-2011 Kia Rondo

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Certain 2011 model year Rondo vehicles equipped with Electronic Stability Control manufactured from July 21, 2010 through February 9, 2011 and sold only in the U.S. Territories (112 units).

The recall population was determined by a review of vehicle production and supplier 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 : JUL 21, 2010 - FEB 09, 2011

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : An engine compartment fire may occur in the area where the Hydraulic Electronic Control Unit (HECU) is located. It is believed that over time, the HECU experiences an electrical short circuit condition that results in excessive current, thereby increasing the risk of an engine compartment fire while driving or parked. However, the exact cause of the electrical short circuit remains unknown.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A fire increases the risk of injury.

Description of the Cause : It is believed that a short circuit may result in excessive current within the HECU. Exact cause of the short circuit remains unknown.

Identification of Any Warning that can Occur : Illumination of MIL, ABS warning light, burning/melting smell, smoke from engine compartment.

Involved Components :

Component Name 1 : HECU

Component Description : Hydraulic Electronic Control Unit

Component Part Number : 58920-*****

Component Name 2 : HECU

Component Description : Hydraulic Electronic Control Unit

Component Part Number : 58910-*****

Supplier Identification :

Component Manufacturer

Name : Mando

Address : 32 Hamanho-gil, Poseung-eup,
Gyeonggi-do Pyeongtaek-si Foreign States 17962

Country : Korea, Republic of

Chronology :

See attached document titled "Multiple Kia Models HECU 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. Kia dealers will be instructed to install new fuse(s) to prevent an overcurrent condition in the HECU's electrical circuit board. As a precautionary measure, customers will be instructed to park their vehicles outside and away from structures until the recall remedy is performed.

Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed May 10, 2022.

How Remedy Component Differs from Recalled Component : Remedy component has a lower fuse amperage.

Identify How/When Recall Condition was Corrected in Production : No changes were made during the production of the subject vehicles.

Recall Schedule :

Description of Recall Schedule : The dealer notification is scheduled to begin and end on November 10, 2023. The owner notification is scheduled to begin on November 14, 2023 and end on November 23, 2023.

Planned Dealer Notification Date : NOV 10, 2023 - NOV 10, 2023

Planned Owner Notification Date : NOV 14, 2023 - NOV 23, 2023

* NR - Not Reported