

Part 573 Safety Recall Report

18V-363

Manufacturer Name : Kia Motors America**Submission Date :** OCT 12, 2018**NHTSA Recall No. :** 18V-363**Manufacturer Recall No. :** SC165**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 : 507,587

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2010-2013 KIA FORTE

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : All 2010-2013 model year Forte vehicles produced from February 24, 2009 thru August 31, 2012.

All 2010-2013 model year Forte Koup vehicles produced from June 5, 2009 thru August 31, 2012.

All 2011-2013 model year Optima vehicles produced from August 12, 2010 thru August 31, 2012.

All 2011-2012 model year Optima Hybrid vehicles produced from February 15, 2011 thru August 31, 2012.

All 2011-2012 model year Sedona vehicles produced from March 3, 2010 thru August 14, 2012.

The recalled vehicles are equipped with an Advanced Airbag System ("AAS"). The airbag control unit ("ACU") in these vehicles may be susceptible to electrical overstress ("EOS") during certain frontal crash events. The recall population was determined based on a review of vehicle production records.

Production Dates : FEB 24, 2009 - AUG 31, 2012

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2010-2013 KIA FORTE KOUP

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : All 2010-2013 model year Forte vehicles produced from February 24, 2009 thru August 31, 2012.

All 2010-2013 model year Forte Koup vehicles produced from June 5, 2009 thru August 31, 2012.

All 2011-2013 model year Optima vehicles produced from August 12, 2010 thru August 31, 2012.

All 2011-2012 model year Optima Hybrid vehicles produced from February 15, 2011 thru August 31, 2012.

All 2011-2012 model year Sedona vehicles produced from March 3, 2010 thru August 14, 2012.

The recalled vehicles are equipped with an Advanced Airbag System ("AAS"). The airbag control unit ("ACU") in these vehicles may be susceptible to electrical overstress ("EOS") during certain frontal crash events. The recall population was determined based on a review of vehicle production records.

Production Dates : JUN 05, 2009 - AUG 31, 2012

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2011-2012 KIA SEDONA

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : All 2010-2013 model year Forte vehicles produced from February 24, 2009 thru August 31, 2012.

All 2010-2013 model year Forte Koup vehicles produced from June 5, 2009 thru August 31, 2012.

All 2011-2013 model year Optima vehicles produced from August 12, 2010 thru August 31, 2012.

All 2011-2012 model year Optima Hybrid vehicles produced from February 15, 2011 thru August 31, 2012.

All 2011-2012 model year Sedona vehicles produced from March 3, 2010 thru August 14, 2012.

The recalled vehicles are equipped with an Advanced Airbag System ("AAS"). The airbag control unit ("ACU") in these vehicles may be susceptible to electrical overstress ("EOS") during certain frontal crash events. The recall population was determined based on a review of vehicle production records.

Production Dates : MAR 03, 2010 - AUG 14, 2012

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2011-2012 KIA OPTIMA HYBRID

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : HYBRID ELECTRIC

Descriptive Information : All 2010-2013 model year Forte vehicles produced from February 24, 2009 thru August 31, 2012.

All 2010-2013 model year Forte Koup vehicles produced from June 5, 2009 thru August 31, 2012.

All 2011-2013 model year Optima vehicles produced from August 12, 2010 thru August 31, 2012.

All 2011-2012 model year Optima Hybrid vehicles produced from February 15, 2011 thru August 31, 2012.

All 2011-2012 model year Sedona vehicles produced from March 3, 2010 thru August 14, 2012.

The recalled vehicles are equipped with an Advanced Airbag System ("AAS"). The airbag control unit ("ACU") in these vehicles may be susceptible to electrical overstress ("EOS") during certain frontal crash events. The recall population was determined based on a review of vehicle production records.

Production Dates : FEB 15, 2011 - AUG 31, 2012

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2011-2013 KIA OPTIMA

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : All 2010-2013 model year Forte vehicles produced from February 24, 2009 thru August 31, 2012.

All 2010-2013 model year Forte Koup vehicles produced from June 5, 2009 thru August 31, 2012.

All 2011-2013 model year Optima vehicles produced from August 12, 2010 thru August 31, 2012.

All 2011-2012 model year Optima Hybrid vehicles produced from February 15, 2011 thru August 31, 2012.

All 2011-2012 model year Sedona vehicles produced from March 3, 2010 thru August 14, 2012.

The recalled vehicles are equipped with an Advanced Airbag System ("AAS"). The

airbag control unit (“ACU”) in these vehicles may be susceptible to electrical overstress (“EOS”) during certain frontal crash events. The recall population was determined based on a review of vehicle production records.

Production Dates : AUG 12, 2010 - AUG 31, 2012

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The Airbag Control Unit (“ACU”) detects crash severity and commands deployment of the advanced airbags and seatbelt pretensioners when necessary. The recalled vehicles are equipped with an ACU which contain a certain application-specific integrated circuit (“ASIC”) that may be susceptible to electrical overstress (“EOS”) during certain frontal crash events.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the ASIC becomes damaged, the front airbags and seatbelt pretensioners may not deploy in certain frontal crashes where deployment may be necessary, thereby increasing the risk of injury.

Description of the Cause : The ASIC component within the subject ACUs may be susceptible to EOS due to inadequate circuit protection.

Identification of Any Warning that can Occur : N/A

Supplier Identification :

Component Manufacturer

Name : ZF TRW-122031 units [Mobis-385556 units]

Address : 12001 Tech Center Dr [95, Sayang 2-gil

Munbaek-myeon, Jincheon-gun] Livonia [Chungbuk, S Korea] MICHIGAN 48150

Country : United States

Chronology :

See attached document titled “Forte, Forte Koup, Optima, Optima Hybrid, Sedona ACU 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. For 2011MY Sedona vehicles, Kia will instruct dealers to verify the ACU part number and, if necessary, install an extension wire harness kit between ACU Connector and Vehicle Harness Connect. For all other affected vehicles, Kia will instruct dealers to install the extension wire harness kit. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed April 10, 2018.

How Remedy Component Differs from Recalled Component : The remedy component, extension wire harness kit, contains an additional Schottky diode.

Identify How/When Recall Condition was Corrected in Production : The ACU implemented into production from August 15, 2012 for the Sedona and from September 1, 2012 for the Forte, Forte Koup, Optima and Optima Hybrid have adequate circuit protection.

Recall Schedule :

Description of Recall Schedule : The Follow-Up Dealer Notification is planned to begin and end on September 26, 2018. The Follow-Up Owner Notification is planned to begin on September 28, 2018 and end on October 31, 2018.

Planned Dealer Notification Date : SEP 26, 2018 - SEP 26, 2018

Planned Owner Notification Date : SEP 28, 2018 - OCT 31, 2018

* NR - Not Reported