

Part 573 Safety Recall Report

19V-120

Manufacturer Name : Kia Motors America**Submission Date :** FEB 22, 2019**NHTSA Recall No. :** 19V-120**Manufacturer Recall No. :** SC176**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 : 378,967

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2012-2016 Kia Soul

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : All 2012-2016 MY Soul vehicles equipped with 1.6L Gasoline Direct Injection (GDI) engines manufactured from July 8, 2011 through August 11, 2016.

The recall population was determined by a review of vehicle production records. The catalytic converter in the recalled vehicles is susceptible to damage due to overheating. The recalled vehicles 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 08, 2011 - AUG 11, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Under certain conditions, the catalytic converter may become damaged due to overheating caused by an excessive increase of exhaust gas temperatures. If the catalytic converter is damaged, substrate particles can enter the engine combustion chamber and cause abnormal engine combustion. Continuous abnormal engine combustion can result in damage to one or more of the engine's pistons which can cause piston rod breakage, potentially puncturing the engine block allowing engine oil to escape. Engine oil that contacts a hot exhaust surface may result in a fire.

FMVSS 1 : NR

FMVSS 2 : NR

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

Description of the Cause : Inaccurate Catalytic Overheating Protection (COP) ECU logic parameters and overheating of the catalytic converter.

Identification of Any Warning that can Occur : Illumination of the Malfunction Indicator Lamp (MIL) and/or engine knocking noise.

Supplier Identification :

Component Manufacturer

Name : Hyundai KEFICO

Address : NR

Gunpo-Si Kyeonggi-Do FOREIGN STATES 15849

Country : Korea, Republic of

Chronology :

See attached document titled "2012-2016 MY Soul Engine Control Unit (ECU) 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. Dealers will be instructed to upgrade the Catalytic Overheating Protection (COP) ECU logic to prevent overheating of the catalytic converter. In addition, the catalytic converter will also be replaced if it has been damaged. Depending on the extent of any damage, the engine may also be replaced. 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 : N/A

Identify How/When Recall Condition was Corrected in Production : The ECU logic for the Catalytic Overheating Protection (COP) was changed and improved to prevent overheating of the catalytic converter on July 27, 2016, beginning with the start of the 2017 MY Soul production. However, the 2016 MY Soul production ended on August 11, 2016 with the previous COP ECU logic.

Recall Schedule :

Description of Recall Schedule : The dealer notification mailing is scheduled for April 8, 2019 and the

owner notification mailing is scheduled to start on April 12, 2019 and end on April 22, 2019.

Planned Dealer Notification Date : APR 08, 2019 - APR 08, 2019

Planned Owner Notification Date : APR 12, 2019 - APR 22, 2019

* NR - Not Reported