

Part 573 Safety Recall Report

18V-166

Manufacturer Name : Hyundai Motor America

Submission Date : MAR 12, 2018

NHTSA Recall No. : 18V-166

Manufacturer Recall No. : 175



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 : 2,840

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2018 Hyundai Sonata Plug-In Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The subject vehicles include certain model year 2016 – 2018 Hyundai Sonata Plug-In Hybrid vehicles produced between July 31, 2015 and August 31, 2017 by Hyundai Motor Company in Korea. No other Hyundai or Genesis vehicles contain the same hybrid powertrain system as the subject vehicles.

Production Dates : JUL 31, 2015 - AUG 31, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with a Voltage Protection Device (“VPD”) designed to monitor the hybrid battery’s state of charge and safeguard the hybrid battery from overvoltage by disconnecting the power to the electric motor. In limited instances, during the charging/discharging process, the hybrid battery could swell and inadvertently activate the VPD switch. If the VPD switch is activated while the vehicle is driven in the Electric Vehicle (“EV”) drive mode, the electric motor could become inoperative and the vehicle could lose motive power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of motive power at a high speed can increase the risk of a crash.

Description of the Cause : The condition is caused by inadvertent activation of the VPD switch by the hybrid battery.

Identification of Any Warning that can Occur : The “Check Hybrid System” warning lamp in the instrument cluster will illuminate.

Supplier Identification :**Component Manufacturer**

Name : Hyundai MOBIS
Address : 47, Giupdosi1-ro, Daesowon-myeon
Chungju-si, Chungcheonbuk-do FOREIGN STATES 27465
Country : Korea, Republic of

Chronology :

Please see Attachment A for the requested chronology.

Description of Remedy :

Description of Remedy Program : Hyundai Motor America plans to notify owners of affected vehicles to return their vehicles to their Hyundai dealers to remove the current VPD switch and install a new Battery Management System ("BMS") module containing an Overvoltage Protection Device ("OPD") switch. The remedy will be performed at no charge.

Hyundai will provide reimbursement to owners for repairs according to the plan submitted on November 2, 2016.

How Remedy Component Differs from Recalled Component : The recalled component will be removed and replaced with a BMS module with an integrated OPD switch.

Identify How/When Recall Condition was Corrected in Production : The VPD switch was replaced with a revised BMS in vehicle production beginning in late August 2017.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified by mid-March 2018. Owners will be notified by early May 2018.

Planned Dealer Notification Date : MAR 16, 2018 - MAR 16, 2018

Planned Owner Notification Date : MAY 04, 2018 - MAY 04, 2018

* NR - Not Reported