OMB Control No.: 2127-0004

Part 573 Safety Recall Report

Manufacturer Name :Hyundai Motor AmericaSubmission Date :OCT 05, 2018NHTSA Recall No. :18V-137Manufacturer Recall No. :174

Manufacturer Information :

Manufacturer Name : Hyundai Motor America Address : 10550 Talbert Avenue Fountain Valley CA 92708 Company phone : 800-633-5151

Vehicle Information :

Vehicle 1:	2011-2013 Hyundai Sonata				
Vehicle Type :	LIGHT VEHICLES				
Body Style :	4-DOOR				
Power Train :	GAS				
Descriptive Information :	The subject vehicles include certain model year 2011 through 2013 Hyundai Sonata vehicles produced between December 11, 2009 and August 31, 2012 at the Hyundai Motor Manufacturing Alabama ("HMMA") plant. These vehicles are equipped with the Advanced Airbag System ("AAS") and an airbag control unit ("ACU") containing a certain application-specific integrated circuit ("ASIC") that, in the absence of circuit protecting diodes, could be susceptible to electrical overstress ("EOS") during certain frontal crash events. The ACU was designed and produced by ZF TRW. Hyundai's best understanding is that no other Hyundai or Genesis vehicles contain the same ACU as the ones installed in the subject vehicles.				
Production Dates :	DEC 11, 2009 - AU	JG 31, 2012			
VIN Range 1:	Begin :	NR	End: NR	Not sequential	
Vehicle 2:	2011-2012 Hyun	lai Sonata Hy	brid		
Vehicle Type :	LIGHT VEHICLES				
Body Style :	4-DOOR				
Power Train :	HYBRID ELECTRI	С			
Descriptive Information :	The subject vehicles include certain model year 2011 through 2012 Hyundai Sonata Hybrid vehicles produced between December 2, 2010 and August 23, 2012 by Hyundai Motor Company ("HMC") in the Republic of Korea. These vehicles are equipped with the Advanced Airbag System ("AAS") and an airbag control unit ("ACU") containing a certain application-specific integrated circuit ("ASIC") that, in the absence of circuit protecting diodes, could be susceptible to electrical overstress ("EOS") during certain frontal crash events. The ACU was designed by ZF TRW and produced by MOBIS. Hyundai's best understanding is that no other Hyundai or Genesis vehicles contain the same ACU as the ones installed in the subject vehicles.				
Production Dates :	DEC 02, 2010 - AU	JG 23, 2012			



18V-137

Population :

Number of potentially involved : 581,038 Estimated percentage with defect : 100 %

The information contained in this report was submitted pursuant to 49 CFR \$573

art 573 Safety	Recall	kepo	ort .	L 8V-137 Pag
VIN Range 1 : Beg	in: I	NR	End: NR	Not sequenti
Description of Defect :				
Description of the Defect :	The subject velunit ("ACU") w Advanced Airb The subject AC ("ASIC") that, in to electrical ov AAS and seat b	hicles are hich dete ag Systen U's conta n the abse erstress (elt preter	equipped with an origina cts a crash signal and com n ("AAS") and seat belt pre in a certain application-sp ence of circuit protecting o "EOS") resulting in the in usioners during certain fro	l equipment airbag control mands deployment of the etensioners when necessary. ecific integrated circuit liodes, could be susceptible ability to properly deploy the ontal crash events.
FMVSS 1 :	NR	-	Ū.	
FMVSS 2 :	NR			
Description of the Safety Risk :	If the ACU circu damaged, the A crashes where As of the date of	uitry is no AAS and so deploymo of this fili	at adequately protected an eat belt pretensioners may ent is necessary, increasing by Hyundai believes that t	d the ASIC becomes y not deploy in some g the risk of injury. he ASIC used in the subject
	ACUs could be In at least one the loss of the Hyundai, ZF-TI communication notes that this 16V-668 where significant from Hyundai reason in the vehicles	susceptib crash test AAS and s RW is con n of the D defect ap e EOS app tal crashe nably beli of more t	le to EOS because it lacks , damage to the DS84 ASI eat belt pretensioner dep tinuing their analysis of th S84 ASICs from other rela pears substantially simila beared to be a root cause of es involving certain Fiat C eves that this is a defect in han one manufacturer. Se	adequate circuit protection. C from EOS could have caused loyment. At the request of ne source of EOS and non- ted crash-test ACUs. HMA r to the defect in Recall No. f AAS non-deployment in hrysler vehicles. As such, n original equipment installed re 49 CFR 573.3(f).
Identification of Any Warning that can Occur :	None			
Supplier Identification :				
Component Manufacturer				
Name : ZF TRW				
Address : Active & Passive Sa	afetyTechnology	/		
12001 Tech Center	r Drive Livonia I	MICHIGAN	N 48150	
Country: United States				
Chronology :				
The infer	mation contained	in this range		

Planned Owner Notification Date : OCT 01, 2018 - OCT 05, 2018

Please see Attachment A for the amended 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 install an external wire filter kit. This procedure will be performed at no charge.					
	Hyundai will provide reimbursement to owners for repairs according to the plan submitted on May 15, 2018.					
	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 remedy will include an external wire filter kit that will prevent internal damage in the AAS ACU in the event of a crash.					
Identify How/When Recall Condition was Corrected in Production :	Redesigned ACU's were used beginning with model year 2013 Hyundai Sonata vehicle production.					
Recall Schedule :						
Description of Recall Schedule :	Dealers were notified in late September 2018. Owners will be notified in early October 2018.					
Planned Dealer Notification Date :	SEP 28, 2018 - SEP 28, 2018					

* NR - Not Reported