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(3 pages)



June 24, 2014

Ms. Nancy Lewis  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington, D.C. 20590

RE: Defect Information Report

Dear Ms. Lewis:

Pursuant to Part 573 of Title 49 of the Code of Federal Regulations, Hyundai Motor America (HMA) is submitting information concerning a recall that is being voluntarily initiated. Specific information as required by Section 573.6 is as follows:

573.6(c)(1)

Manufacturer - Hyundai Motor Manufacturing Alabama (HMMA)

Distributor - Hyundai Motor America

Distributor - Hyundai de Puerto Rico

573.6(c)(2)

Certain 2015 model year Hyundai Sonata vehicles produced beginning on April 25, 2014 through June 16, 2014 may be affected.

Component Manufacturer Identification:   HM Metal Co.,Ltd.  
10B5,6L Haman Industrial Complex Sado-ri  
Gunbuk-myun Haman-gun, Kyungsangnam-do,  
660-913, Korea  
Myoung-gyu Bae 82-10-8977-0041  
82-55-716-0040

**Hyundai Motor America**  
10550 Talbert Avenue, Fountain Valley, CA, 92708  
TEL: 714-965-3000 FAX: 714-965-3815  
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573.6(c)(3)

Approximately 5,500 model year 2015 Hyundai Sonata vehicles may be affected in the United States. Approximately 150 model year 2015 Hyundai Sonata vehicles may be affected in Puerto Rico.

573.6(c)(4)

All of the vehicles identified above in 573.6(c)(2) are potentially affected.

573.6(c)(5)

Analysis by the brake caliper supplier discovered a manufacturing process error which may have affected the fatigue resistance of the brake caliper's cast aluminum alloy. Inspection of additional samples isolated the suspect lot to one day's production. A fracture of the brake caliper assembly could result in a reduction in braking effectiveness and an increase in stopping distances, increasing the risk of a crash.

573.6(c)(6)

On June 13, 2014, HMA was contacted by a dealer with a report of a 2015 Sonata where the customer stated the brake pedal "went to the floor at stops." Diagnosis at the dealer revealed the left front brake caliper had fractured.

On June 14, 2014, HMA and HMMA staff traveled to the dealer to inspect the incident vehicle and retrieve the incident part. Additionally, brake calipers from ten vehicles produced on the same date as the incident vehicle were removed for analysis.

On June 16, 2014, the caliper component supplier from Korea and Hyundai personnel met to inspect the incident part. Subsequent analysis isolated the number of affected parts to 2,256 caliper assemblies produced on March 11, 2014 (date code 4CB). Calipers from this suspect lot will be replaced on units in the field. HMMA was unable to trace individual brake caliper date codes to specific VINs, therefore, it will be necessary to inspect all affected units produced beginning on April 25, 2014 (start of production) through June 16, 2014.

On June 18, 2014, Hyundai Motor America issued a "retail hold" instruction to its dealer body instructing them not to retail any 2015 Sonatas until further notice. Fleet customers were also instructed not to rent affected units until inspections could be performed.

On June 19, 2014, Hyundai decided to conduct a safety recall to repair the affected vehicles in the field. Hyundai began to contact the 132 affected retail customers requesting they not drive their vehicles. Towing service and rental vehicles were offered to each of these customers. Additionally, Hyundai published an interim Technical Service Bulletin (14-01-025) outlining the service procedure to inspect and if necessary, replace one or both of the front brake calipers.

One retail customer has experienced this condition with their vehicle. There have been no accidents or injuries associated with this condition.

Hyundai Motor America

573.6(c)(8)

Hyundai believes the affected population has been contained; however, if additional information becomes available indicating a need to notify affected owners, Hyundai will provide that information in a future communication.

The front brake calipers for the vehicles affected by this recall are covered for 5 years or 60,000 miles under Hyundai's new vehicle limited warranty. As owners of these vehicles would not have incurred expenses for the warranted repair as a result of this condition, no notification regarding reimbursement under section 577.11 is necessary.

573.6(c)(10)

A copy of the 06/19/14 interim Technical Service Bulletin is attached.

Copies of the 06/18/14 and 06/19/14 dealer communications are attached.

573.6(c)(11)

If necessary, a draft owner notification letter will be provided in a future communication.

573.6(c)(12)

Hyundai has assigned "Campaign 120" as the designation for the campaign.

Sincerely,

A handwritten signature in cursive script that reads "Steve Johnson".

Steve Johnson  
Director, Engineering and Design Analysis