

Part 573 Safety Recall Report

17V-578

Manufacturer Name : Hyundai Motor America**Submission Date :** SEP 20, 2017**NHTSA Recall No. :** 17V-578**Manufacturer Recall No. :** 168**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 : 420

Estimated percentage with defect : 25 %

Vehicle Information :

Vehicle 1 : 2017-2017 Hyundai Santa Fe

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Certain 2017 model year Hyundai Santa Fe vehicles assembled at Asan Plant by Hyundai Motor Company between January 26, 2017 and February 13, 2017 and equipped with 3.3L V6 "Lambda" engines produced within a certain time period at Asan Plant. No other Hyundai vehicles contain the same "Lambda" engines produced by Asan Plant during this time period.

Production Dates : JAN 26, 2017 - FEB 13, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The engines in the subject vehicles may contain crankshaft assemblies produced with surface irregularities in the crankshaft pin. Surface irregularities within the crankshaft pin could lead to premature engine bearing wear. If the vehicle continues to be driven with a worn engine bearing the engine could become damaged and eventually stall the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A vehicle stall at highway speed could increase the risk of a crash.**Description of the Cause :** The crankshaft assemblies were produced with insufficient heat treatment due to an improperly positioned heat treatment coil.**Identification of Any Warning that can Occur :** Customer may experience any or all of the following:

1. Abnormal noise from the engine.
2. Reduced motive power and/or hesitation.
3. Illumination of the "Check Engine" warning lamp.

4. Illumination of the engine oil pressure warning lamp.

Supplier Identification :

Component Manufacturer

Name : Hyundai Motor Company Asan Plant
Address : 1077, Hyundai-ro, Inju-myeon, Asan si
Chungcheongnam-do FOREIGN STATES
Country : Korea, Republic of

Chronology :

On May 2nd, 2017 Hyundai Motor America ("HMA") received a field report from a 2017 Santa Fe vehicle indicating a "knocking" noise coming from the engine. The engine was recovered and sent for further analysis by Hyundai North American Quality Center. Between June and August 2017 HMA monitored the market for additional reports indicating the same condition. A total of 3 additional reports of 2017 Santa Fe vehicles exhibiting abnormal engine noise were received. In addition, 1 of these reports indicated the vehicle had stalled due to eventual failure of the engine. On August 7th, 2017 HMA issued a Quality Information Report and began recovering the engines from the additional incident vehicles. An inspection of the recovered engine assemblies revealed that the engine bearings had seized due to improperly produced crankshaft pin surfaces. Hyundai Motor Corporation ("HMC") traced this condition back to a crankshaft heat treatment coil that was improperly positioned during production in January 2017. On September 13, 2017 HMA's Technical Committee convened to review this investigation and decided to conduct a voluntary safety recall.

Hyundai is not aware of any accidents, injuries or customer complaints related to this condition.

Description of Remedy :

Description of Remedy Program : Hyundai will notify all owners of affected vehicles by first class mail to return to their Hyundai dealer to inspect and replace the engine, if necessary.
The engine crankshaft is covered for 10 years or 100,000 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.

How Remedy Component Differs from Recalled Component :
Recalled component(s):
1. ENGINE SUB-ASSEMBLY, 171R1-3CAAA (for 2WD)
2. ENGINE SUB-ASSEMBLY, 173R1-3CAAA (for 4WD)

The engines involved in the remedy contain improved crankshaft assemblies produced with sufficient heat treatment of the crankshaft pin surface. There is no part name or number change for the remedy components.

Identify How/When Recall Condition was Corrected in Production : The crankshaft assembly heat treatment coil was properly positioned during routine tooling maintenance in January 2017.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified in September 2017. Owner notifications will be sent in October 2017.

Planned Dealer Notification Date : SEP 27, 2017 - SEP 27, 2017

Planned Owner Notification Date : OCT 18, 2017 - OCT 18, 2017

* NR - Not Reported