

Part 573 Safety Recall Report

21V-840

Manufacturer Name : Hyundai Motor America**Submission Date :** OCT 27, 2021**NHTSA Recall No. :** 21V-840**Manufacturer Recall No. :** 212**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 : 995

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2021 Hyundai Palisade

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The subject vehicles include 995 model year 2021 Hyundai Palisade vehicles produced on March 9, 2021 through March 31, 2021 by Hyundai Motor Company ("HMC") for sale in the U.S. market.

Production Dates : MAR 09, 2021 - MAR 31, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The brake fluid in the subject vehicles may be contaminated with mineral oil causing the brake master cylinder inner cup seals to expand. The cause of the contamination is under active investigation. Expanded brake master cylinder inner cup seals could reduce hydraulic pressure applied by the master cylinder resulting in reduced braking at the wheels. The driver may experience longer brake pedal travel, a change in pedal feel, and/or extended stopping distance.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Extended stopping distance could increase the risk of a crash.**Description of the Cause :** Hyundai is actively investigating root cause.

Identification of Any Warning that can Occur : The brake system MIL may illuminate.

Involved Components :

Component Name 1 : BRAKE MASTER CYLINDER ASSY

Component Description : Master cylinder converting brake pedal actuation to hydraulic pressure for braking.

Component Part Number : 58510-C5070

Supplier Identification :

Component Manufacturer

Name : MOBIS

Address : 87, Sungsanpaechong-ro
Seongsan-gu, Changwon-City Gyeongnam Foreign States

Country : Korea, Republic of

Chronology :

September 2021

On September 2, 2021, HMC informed HMA's NASO of an investigation being conducted in Korea involving eleven (11) Korean domestic vehicles produced from March 9, 2021 through March 31, 2021 for potential contamination of the brake fluid. NASO searched its field information databases and found three (3) unique U. S. vehicle incidents reporting a low or spongy brake pedal. NASO recovered and shipped two (2) brake master cylinder units from the identified incidents for further testing by the supplier in Korea.

On September 22, 2021, NASO shared its investigation status with NHTSA's ODI during its recurring monthly review of safety-related topics.

October 2021

On October 14, 2021, HMC informed NASO of the parts analysis results confirming the presence of mineral oil in the brake fluid of the incident brake master cylinders and the ensuing effect on the brake master cylinder's inner cup seal causing low braking ability due to reduced internal pressure. Based on this information, on October 19, NASO convened its North American Safety Decision Authority and decided to conduct a safety recall of vehicles produced in the subject date range for further evaluation into root cause of the brake fluid contamination. The investigation will actively continue to determine if a specific root cause and defect trend exists.

As of the date of this filing, Hyundai is not aware of any crashes, fires, or injuries related to the defect condition in the U.S.

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 Hyundai dealer to have the brake fluid flushed and brake master cylinder replaced. This remedy will be offered at no cost for all affected customers. All returned brake master cylinders will be collected for further analysis into root cause.

How Remedy Component Differs from Recalled Component : N/A

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified beginning in late December 2021.

Planned Dealer Notification Date : DEC 22, 2021 - DEC 22, 2021

Planned Owner Notification Date : DEC 22, 2021 - DEC 22, 2021

* NR - Not Reported