

Part 573 Safety Recall Report

19V-315

Manufacturer Name : Honda (American Honda Motor Co.)**Submission Date :** JUL 11, 2019**NHTSA Recall No. :** 19V-315**Manufacturer Recall No. :** N5H**Manufacturer Information :**

Manufacturer Name : Honda (American Honda Motor Co.)

Address : 1919 Torrance Blvd.

Torrance CA 90501

Company phone : 1-888-234-2138

Population :

Number of potentially involved : 1,082

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Honda Clarity Fuel Cell

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. All model year 2017 and 2018 Clarity Fuel Cell vehicles are included in the recall. The defect pertains to an electric water pump installed in the Clarity Fuel Cell vehicles to circulate water that cools the fuel cell stack. Although the Clarity Battery Electric and Plug-in Hybrid vehicles are similar to the Clarity Fuel Cell and have some common parts, neither include the electric water pump because neither has the fuel cell stack. The number of affected units is 911.

Production Dates : NOV 17, 2016 - DEC 28, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2018 Honda Clarity Fuel Cell

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on manufacturing records. The manufacturing range reflects all possible vehicles that could potentially experience the problem. All model year 2017 and 2018 Clarity Fuel Cell vehicles are included in the recall. The defect pertains to an electric water pump installed in the Clarity Fuel Cell vehicles to circulate water that cools the fuel cell stack. Although the Clarity Battery Electric and Plug-in Hybrid vehicles are similar to the Clarity Fuel Cell and have some common parts, neither include the electric water pump because neither has the fuel cell stack. The number of affected units is 171.

Production Dates : DEC 29, 2017 - FEB 28, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : Affected vehicles have an electric water pump that circulates cooling water to cool the fuel cell stack. The magnets attached to the rotor core inside the electric water pump were not properly surface-treated and may corrode from water exposure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Excessive magnet corrosion can disable the electric water pump, which would illuminate the warning indicator and cause the vehicle to enter EV limp mode or lose motive power and come to a stop, thereby increasing the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : GMB Korea Corp.

Address : # 543, Gongdan-ro, Seongsan-Gu
Changwon-City, Gyeongsangnam FOREIGN STATES 51557

Country : Korea, Republic of

Chronology :

April 2, 2018

Honda received the first report in which the "Power System" warning light illuminated on the multi-information display and began an investigation.

June 2018

Honda received a second report in which the warning message illuminated. Returned failed parts analysis indicated that the magnets on the rotor core were corroded and cracked.

October 2018 to January 2019

Analysis and testing suspected that the cause of magnet corrosion was manufacturing-related. Durability testing was performed on magnets that were treated with anti-corrosive coating and confirmed the magnets were resistant to corrosion.

February to March 2019

Analysis of healthy parts collected from the field affirmed that the two prior reports were reproducible and that the magnets were susceptible to corrosion.

April 11, 2019

Honda determined that a defect related to motor vehicle safety existed and decided to conduct a safety recall.

As of April 11, 2019, Honda has received two warranty claims, nine field reports, and no reports of injuries or crashes related to this issue.

Description of Remedy :

Description of Remedy Program : Registered owners of all affected vehicles will be contacted by mail and asked to take their vehicle to a Honda automobile dealer. The dealer will replace the electric water pump, for free. Because the new vehicle limited warranty on all affected vehicles would have provided a free repair for the problem addressed by this recall, without any payment by the owner, reimbursement for pre-notification repairs will not be offered.

How Remedy Component Differs from Recalled Component : Water pump assy, electric, water pump assy, electric, part number: 3H300-5WM-A02

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : APR 19, 2019 - NR

Planned Owner Notification Date : JUN 10, 2019 - NR

* NR - Not Reported