

US agency opens probe into electric vehicle batteries

April 5 2022, by Tom Krisher



This Oct. 26, 2017 file photo shows the corporate logo of LG Electronics in Goyang, South Korea. U.S. safety regulators have opened an investigation into electric and hybrid vehicle batteries, Tuesday, April 5, 2022, after seven automakers issued recalls for defects that can cause fires or stalling. The National Highway Traffic Safety Administration says the probe covers more than 138,000 vehicles with batteries made by LG Energy Solution of South Korea. Credit: AP Photo/Lee Jin-man, File

U.S. safety regulators have opened an investigation into electric and hybrid vehicle batteries after five automakers issued recalls due to possible defects that could cause fires or stalling.

The National Highway Traffic Safety Administration says the probe covers more than 138,000 vehicles with batteries made by LG Energy Solution of South Korea.

General Motors, Mercedes-Benz, Hyundai, Stellantis and Volkswagen have issued recalls since February of 2020, most due to internal battery failures that can increase the risk of fires.

The agency says it will write to LG and other companies that might have bought similar batteries to make sure recalls are being done when needed.

Messages were left Tuesday seeking comment from LG Energy Solution.

The investigation is another bug in a growing global rollout of electric vehicles by all automakers to replace internal combustion vehicles to cut emissions and fight climate change. Ford and BMW also have recalled batteries in recent years. Also, the U.S. National Transportation Safety Board investigated a series of fires in Tesla vehicles and said the high-voltage lithium-ion batteries pose safety risks to first responders after crashes.

Many governments are counting on counting EVs to replace gasoline-burning vehicles that emit greenhouse gases that cause global warming.

Data on electric vehicle fires is limited, but a small sample in April of 2021 by the insurance industry's Highway Loss Data Institute found that EVs and their conventional gas counterparts had about the same number of non-crash fire claims per 1,000 insured vehicle years.

The institute tracked claims for 10 EVs and their gas equivalents and found that EVs had 0.19 fire claims per 1,000 insured vehicle years compared with 0.2 for gasoline counterparts.

In a document posted Tuesday on its website, NHTSA said the recalls began on Feb. 24, 2020 when Mercedes recalled a 2019 Smart Fortwo electric vehicle. The company said the high-voltage battery made by LG had a defect that could ignite inside the battery cells, raising the risk of a fire.

Eight months later, Hyundai recalled some 2019 and 2020 Kona EVs with a similar problem.

In November of 2020, General Motors began a string of recalls that involved more than 140,000 Chevrolet Bolt EVs from the 2017 through 2022 model years due to the "simultaneous presence of two rare manufacturing defects in the same battery cell." The defect caused at least 10 fires, causing GM to warn owners to park the Bolts outdoors. LG Energy Solution agreed to reimburse GM \$2 billion for the recall costs, and the company remains in a joint venture with LG to build batteries for its next generation of electric vehicles. This month, GM is scheduled to restart production and sales of Bolts with replacement battery cells.

Hyundai issued a second battery recall March of 2021 covering 2019 and 2020 Konas and 2020 Ioniq EVs and said an electrical short inside the batteries could increase the risk of fires while parked, charging or driving.

Last February, Stellantis' Chrysler brand recalled some 2017 and 2018 Pacifica plug-in hybrid minivans with LG batteries after getting a dozen reports of fires. A month later, VW recalled some 2021 ID4 electric vehicles with unreliable connections inside the batteries that could cause

stalling. Stellantis also has a joint venture with LG Energy Solution to make batteries for future electric vehicles.

This story has been corrected to show that five automakers issued recalls, not seven.

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