

22V-541
Chronology
October 26, 2022

On April 16, 2022, BMW became aware of a non-US field incident involving a 2022 BMW i4 eDrive40. An engineering investigation was initiated, and the supplier was contacted.

A review of the battery supplier production records for the vehicle from the April incident was performed. Analyses suggested an irregularity during the supplier's production process which may have allowed debris to enter into a battery cell. Further analyses were able to identify cathode pieces within the battery cell.

On June 3, 2022, BMW became aware of a US field incident involving a Model Year 2022 iX xDrive50, and on June 19, 2022, BMW became aware of a non-US field incident involving a 2022 BMW iX M60. Similar analyses were performed, and similar findings were identified involving an irregularity during the supplier's production process.

Vehicle assembly information and supplier production and process records were reviewed to determine the number, and production dates, of potentially affected vehicles.

On July 20, 2022, BMW decided to conduct a voluntary safety recall.

BMW has not received any reports, nor is BMW otherwise aware, of any accidents or injuries related to this issue.

On July 29, 2022, BMW became aware of a field incident involving a Model Year 2022 i4 M50 company-owned vehicle. Further analyses were performed by the supplier involving the battery cell production process. As a result of these analyses, and through parts tracing, additional vehicles were identified as having potentially suspect battery cells.

Accordingly, on August 26, 2022, these vehicles were added to the recall.

On August 4, 2022, a non-US field incident involving a 2022 BMW iX occurred. Reviews of supplier production records, and previous analyses of battery cell images, were not able to explain this incident. Therefore, additional engineering analyses were necessary.

During August, further in-depth analyses of supplier production records to identify other possible anomalies were performed and were identified. These findings were then used in combination with new/additional in-depth battery cell image analyses.

Between August and October, the analyses involved further pattern recognition processes of the battery cell images. As a result of these additional analyses, the August 4th incident was able to be identified as well as additional potentially suspect battery cells. Parts tracing was performed to identify potentially affected vehicles.

On October 19, 2022, BMW decided to add additional potentially affected vehicles to the voluntary safety recall.