



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: DP 19-005
Prompted by:
Date Opened: 10/01/2019
Investigator: Kareem Habib **Reviewer:** Jeff Quandt
Approver: Stephen Ridella
Subject: Battery Management Software Updates

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Tesla, Inc.
Products: 2012-19 Model S and Model X
Population: 2,000 (Estimated)
Problem Description: The petitioner alleges that software updates to the battery management system of certain Tesla vehicles were made in response to a potential defect that could result in a non-crash vehicle fire.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	TBD	TBD
Crashes/Fires:	0	TBD	TBD
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD
Other*:	4	TBD	4

*Description of Other: Complaints filed by the petitioner.

ACTION / SUMMARY INFORMATION

Action: Open this Defect Petition for a grant or deny decision.

Summary:

On September 19, 2019, the Office of Defects Investigation (ODI) received a defect petition dated September 17, 2019, requesting that NHTSA initiate a defect investigation of certain Tesla Model S and Model X vehicles that received revised battery management software in one or more over-the-air (OTA) updates from Tesla, beginning in May 2019. The Petitioner alleges that the software updates were in response to a potential defect that could result in non-crash fires in the affected battery packs and that Tesla should have notified NHTSA of the existence of this potential defect and conducted a safety recall. The petitioner also alleges that this software update reduces the driving range of the affected vehicles.

A copy of the petition will be added to the public file for this defect petition and ODI will evaluate the petitioner's allegations to determine if the petition should be granted or denied. The following VOQ numbers are associated with the issues discussed in this resume: 11254112, 11246771, 11246770, 11243758.