

Safety Issue Type: Investigations

October 17 2024 NHTSA Action Number: PE24031 **OPEN INVESTIGATION**

FSD Collisions in Reduced Roadway Visibility Conditions

NHTSA Action Number PE24031

Components ELECTRICAL SYSTEM

Opened From October 17 2024 - Present

Summary

The Office of Defects Investigation (ODI) has identified four Standing General Order (SGO) reports in which a Tesla vehicle experienced a crash after entering an area of reduced roadway visibility conditions with FSD -Beta or FSD -Supervised (collectively, FSD) engaged. In these crashes, the reduced roadway visibility arose from conditions such as sun glare, fog, or airborne dust. In one of the crashes, the Tesla vehicle fatally struck a pedestrian. One additional crash in these conditions involved a reported injury. The four SGO crash reports are listed at the end of this summary by SGO number.

ODI has opened a Preliminary Evaluation of FSD (a system labeled by Tesla as a partial driving automation system), which is optionally available in the Model Year (MY) 2016-2024 Models S and X, 2017-2024 Model 3, 2020-2024 Model Y, and 2023-2024 Cybertruck. This Preliminary Evaluation is opened to assess:

- The ability of FSD's engineering controls to detect and respond appropriately to reduced roadway visibility conditions;
- Whether any other similar FSD crashes have occurred in reduced roadway visibility conditions and, if so, the contributing circumstances for those crashes; and
- Any updates or modifications from Tesla to the FSD system that may affect the performance of FSD in reduced roadway visibility conditions. In particular, this review will assess the timing, purpose, and capabilities of any such updates, as well as Tesla's assessment of their safety impact.

SGO Report numbers: 13781-8004, 13781-7181, 13781-7381, 13781-7767. To review the SGO Reports prompting this investigation, go to [NHTSA.gov](https://nhtsa.gov).

Affected Products (33)

Vehicle

MAKE	MODEL	YEAR
TESLA	CYBERTRUCK	2023-2024
TESLA	MODEL 3	2017-2024
TESLA	MODEL S	2016-2024
TESLA	MODEL X	2016-2024
TESLA	MODEL Y	2020-2024

Associated Documents (2)

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