

Part 573 Safety Recall Report

22V-333

Manufacturer Name : Ford Motor Company**Submission Date :** MAY 13, 2022**NHTSA Recall No. :** 22V-333**Manufacturer Recall No. :** 22S29**Manufacturer Information :**

Manufacturer Name : Ford Motor Company

Address : 330 Town Center Drive

Suite 500 Dearborn MI 48126-2738

Company phone : 1-866-436-7332

Population :

Number of potentially involved : 464

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 FORD MUSTANG MACH-E

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Ford reviewed vehicle service records to determine the population of the affected vehicles. The Ford process is capable of tracing the powertrain control module software to the vehicle in which the powertrain control module was installed. Affected vehicles are equipped with all wheel drive and the suspect powertrain control module software received as a service update or as an over-the-air update.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Production Dates : OCT 03, 2020 - MAY 26, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The functional safety software may ignore a possible unintended acceleration, unintended deceleration, or unintended vehicle movement on the secondary axle and/or incorrectly detect a lateral hazard on the primary axle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Unintended acceleration, unintended deceleration, unintended vehicle movement, or a reduction in motive power increases the risk of a crash.

Description of the Cause : Software was incorrectly updated to a later model year/program file causing

the functional safety software to always report a torque value of zero on the secondary axle.

Identification of Any Warning that can Occur : This condition may be accompanied by a malfunction indicator lamp or wrench light.

Involved Components :

Component Name 1 : Powertrain Control Module Software

Component Description : R44 SR3

Component Part Number : MJ98-12A650-AXH

Component Name 2 : Powertrain Control Module Software

Component Description : R44 SR3

Component Part Number : MJ98-12A650-BBH

Component Name 3 : Powertrain Control Module Software

Component Description : R44 SR3

Component Part Number : MJ98-12A650-BEH

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : One American Road
Dearborn Michigan 48126

Country : United States

Chronology :

On March 1, 2022, an issue pertaining to a Mustang Mach-E secondary axle torque software error was brought into Ford's Critical Concern Review Group (CCRG) for review.

The CCRG investigation received one report of a vehicle incorrectly detecting a lateral hazard on the primary axle causing the vehicle to enter a speed limited state on March 18, 2022. Ford is not aware of any VOQs related

to this condition.

On May 6, 2022, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of accident or injury related to this condition.

Description of Remedy :

Description of Remedy Program : The remedy for this program is a powertrain control module software update. Ford is anticipated to begin Over-The-Air (OTA) deployment to update the powertrain control module software for affected vehicles in May 2022. Alternatively, owners will have the option to take their vehicle to a Ford or Lincoln dealer to complete the software update. There will be no charge for this service.

Ford provided the general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall in May 2021. The ending date for reimbursement eligibility is estimated to be June 17, 2022

Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : The updated powertrain control module software will be updated to R44 SR4 (MJ98-12A650-AXJ, MJ98-12A650-BBJ, or MJ98-12A650-BEJ) which reports the secondary axle torque value properly.

Identify How/When Recall Condition was Corrected in Production : The affected powertrain control module software was only released as a service release, and was never introduced into production.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on May 16, 2022. Mailing of owner notification letters is expected to begin May 30, 2022 and is expected to be completed by June 3, 2022.

Planned Dealer Notification Date : MAY 16, 2022 - MAY 16, 2022

Planned Owner Notification Date : MAY 30, 2022 - MAY 30, 2022

* NR - Not Reported