

Part 573 Safety Recall Report

19V-099

Manufacturer Name : Ford Motor Company**Submission Date :** FEB 15, 2019**NHTSA Recall No. :** 19V-099**Manufacturer Recall No. :** 19C05**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 : 2,108

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 Ford Fusion Energi

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : HYBRID ELECTRIC

Descriptive Information : Certain changes to FMVSS 305 went into effect on September 27, 2018. Updated requirements included protection against direct and indirect contact of high voltage sources during normal operation. Certain Fusion Energi vehicles built after these changes went into effect are included in this action. The number of vehicles affected is 2,108.

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 01, 2018 - DEC 14, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : Based on Ford's evaluation and testing, the Fusion Energi vehicles built between October 1, 2018 and December 14, 2018 do not meet the incremental level of high voltage access protection required by FMVSS 305 section 5.4.1.4.

FMVSS 1 : 305 - Electric-powered vehicles: Electrolyte spillage and electrical shock protection

FMVSS 2 : NR

Description of the Safety Risk : Potential contact with high voltage sources increases the risk of injury.

Description of the Cause : The carryover Bus Electrical Center (BEC) battery pack design did not include enhanced levels of direct or indirect protection during normal operation.

Identification of Any Warning N/A
that can Occur :

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

December 2018

On December 18, 2018, a concern related to Fusion electrified vehicles was brought into Ford's Critical Concerns Review Group (CCRG) for review. The CCRG commenced a documentation review of other electrified vehicle lines focusing on the implementation of the FMVSS 305 requirements that took effect on September 27, 2018. A stop-ship was initiated while the compliance of the vehicles was investigated. Vehicle to vehicle comparisons identified that a unique plastic cover on the BEC was installed on similar European electrified vehicles sold in Europe. The BEC cover was then incorporated into production on North American electrified vehicles.

January 2019

All new FMVSS 305 requirements were assessed, and the investigative team identified that the Fusion Energi performance to indirect contact required by the updated FMVSS 305 needed to be evaluated further.

Ford contacted NHTSA's Office of Vehicle Safety Compliance to discuss the requirements and assessment methods of the amended FMVSS 305, as NHTSA's test procedure has not been published.

February 2019

Following several discussions of the requirements and Ford's test protocol, Ford and the agency reviewed testing alternatives on February 6, 2019, and February 8, 2019. Incorporating NHTSA's feedback, Ford conducted testing on February 11, 2019. The testing indicated that contact with an uncovered high voltage fuse through an access panel gap was possible using an IPXXD wire test probe, 1 mm by 100 mm long.

On February 13, 2019 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 : Owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have a BEC cover installed over the high voltage fuses. There will be no charge for this service.

Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern.

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

How Remedy Component Differs from Recalled Component : The remedy component is the Bus Electrical Center (BEC) cover, part number FM58-10C687-AB. This is an additional component, not originally equipped on the recalled vehicles.

Identify How/When Recall Condition was Corrected in Production : The BEC cover was incorporated into production on vehicles built after December 14, 2018 while Ford investigated the safety and compliance of vehicles built without the BEC cover.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on February 18, 2019. Mailing of owner notification letters is expected to begin April 1, 2019 and is expected to be completed by April 5, 2019.

Planned Dealer Notification Date : FEB 18, 2019 - FEB 18, 2019

Planned Owner Notification Date : APR 01, 2019 - APR 05, 2019

* NR - Not Reported