

Part 573 Safety Recall Report

22V-646

Manufacturer Name : Ford Motor Company**Submission Date :** AUG 26, 2022**NHTSA Recall No. :** 22V-646**Manufacturer Recall No. :** 22S55**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 : 1,175

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford Mustang Mach-E

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing rear right halfshaft production to the vehicles produced between 07/18/2022 and 07/29/2022.

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 : JUL 18, 2022 - JUL 29, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Right rear halfshafts may have been manufactured with a thin wall on the outer race, allowing the halfshaft stem to break under load.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A broken halfshaft will result in loss of transmission torque to the rear wheels which is necessary for motive power and for the transmission to hold the vehicle in park. If the electronic parking brake (EPB) is not manually applied, the loss of the primary park torque will allow the vehicle to roll with the transmission in park increasing the risk of crash.

Description of the Cause : Right rear halfshafts were manufactured with a below minimum wall thickness

Identification of Any Warning that can Occur : on the outer race caused by an operator who did not properly seat the product into the lathe during production, causing more wall material to be removed than intended. The supplier suspended the 100% wall thickness inspection due to manpower shortages allowing uninspected parts to be assembled into finished rear right halfshafts.

No warning preceding the failure would be perceived by the customer.

Involved Components :

Component Name 1 : Right Rear Half Shaft

Component Description : Neapco produced Right Rear Half Shaft

Component Part Number : MZ9P-4K138-EA

Supplier Identification :

Component Manufacturer

Name : NEAPCO

Address : Blvd. Fundadores #8885

San Jose de los Cerritos Saltillo, Coahuila Foreign States 25293

Country : Mexico

Chronology :

Chronology is provided as an attachment.

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. Dealers will photograph the label on the right rear half-shaft to confirm the suspect serial number(s). If the serial number is a match, the dealer will replace right rear half-shaft. Customers will be advised to manually apply the parking brake until inspection/repair is completed. Dealership mobile inspection and vehicle pick-up and delivery will be included as an option for dealers that participate in the program. There will be no charge for this service.

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 right rear halfshafts were manufactured in a production lot that utilized the intended manufacturing and inspection processes. Recalled components are part number MZ9P-4K138-EA from Lots W20220194 and W20220195 from Tier 1 Supplier Neapco.

Identify How/When Recall Condition was Corrected in Production : Production at Cuautitlan resumed on August 15, 2022, after a 2-week shutdown with halfshafts from non-suspect supplier lots. All parts being used in production have been measured to ensure dimensional compliance to specifications.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on August 29th, 2022. Mailing of owner notification letters is expected to begin September 19th, 2022 and is expected to be completed by September 23rd, 2022.

Planned Dealer Notification Date : AUG 31, 2022 - AUG 31, 2022

Planned Owner Notification Date : SEP 19, 2022 - SEP 23, 2022

* NR - Not Reported