

Part 573 Safety Recall Report

23V-546

Manufacturer Name : Ford Motor Company**Submission Date :** AUG 03, 2023**NHTSA Recall No. :** 23V-546**Manufacturer Recall No. :** 23S44**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

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Ford Bronco

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing automatic transmission production to the vehicle in which the automatic transmission is installed. Affected vehicles have a transmission abutment cup that may have been damaged during assembly.

Ford vehicles are not produced in VIN order and we typically cannot provide VIN specific information. However, in this instance Ford is able to provide the specific VIN list – see attachment VINs.

Two (2) 2023 Model Year Ford Bronco vehicles are affected.

Production Dates : FEB 17, 2023 - MAR 30, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Affected vehicles are built with a transmission abutment cup that may be cracked.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A vehicle which does not have the parking pawl fully engaged may result in unintended vehicle movement, increasing the risk of a crash.

Description of the Cause : During the transmission assembly process, the operator may have misaligned the abutment cup, which acts as a mechanical guide to the park pawl and park gear engagement. When the transmission retention shaft pin was inserted, it

may have contacted and caused damage to the abutment cup. This damage has the potential to cause debris which could migrate into a position that can prevent the parking pawl from fully engaging.

Identification of Any Warning that can Occur : The customer may hear a noise from the transmission. Additionally, a check engine light may illuminate.

Involved Components :

Component Name 1 : Transmission

Component Description : 10-Speed Automatic Transmission

Component Part Number : MB3P-7000-BD

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : One American Road
Dearborn Michigan 48126

Country : United States

Chronology :

June – July 2023

On June 22, 2023, an issue pertaining to a damaged abutment cup in an automatic transmission was brought to Ford's Critical Concern Review Group (CCRG) for review. On June 1, 2023, a dealer submitted a warranty claim for a 2023 F-150 with 3,641 miles where the customer stated the vehicle rolled while in park. Upon receipt of the warranty report, Ford Manufacturing Engineering requested return of the transmission to conduct a tear-down analysis to determine the root cause of the roll in park concern. On June 15, 2023, tear-down analysis performed by transmission plant personnel found that the transmission abutment cup was damaged.

After identifying the damaged abutment cup, Ford Manufacturing Engineering reviewed the pin to abutment cup press curve for the torn-down transmission returned through warranty ("warranty transmission"). The press curve from the warranty transmission showed a distinctive signature. Ford Manufacturing Engineering then conducted a review of the pin to abutment cup press curves for 10R transmissions built at the transmission plant using the same process to evaluate pin to abutment cup press curves. Suspect transmissions were then traced by serial number to specific vehicle VINs. Attempts to contact the two (2) customers to inspect their vehicles were unsuccessful.

As of July 26, 2023, Ford is aware of one (1) warranty report that is responsive to this issue, received June 1, 2023.

On July 27, 2023, 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 the transmission replaced. 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 2023. The ending date for reimbursement eligibility is estimated to be September 8, 2024.

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

How Remedy Component Differs from Recalled Component : The automatic transmission (MB3P-7000-BD) will be replaced. The replacement parts will have an undamaged abutment cup.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on August 4, 2023. Mailing of owner notification letters is expected to begin August 21, 2023 and is expected to be completed by August 25, 2023.

Planned Dealer Notification Date : AUG 04, 2023 - AUG 04, 2023

Planned Owner Notification Date : AUG 21, 2023 - AUG 25, 2023

* NR - Not Reported