

Part 573 Safety Recall Report

23V-164

Manufacturer Name : Ford Motor Company**Submission Date :** MAR 10, 2023**NHTSA Recall No. :** 23V-164**Manufacturer Recall No. :** 23S11**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 : 644

Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford F-53

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed plant records to determine the population of affected vehicles. Affected vehicles are equipped with rear brake calipers which may not have been secured to the required torque level.

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.

343 2022 Ford F-53 Recreational Stripped Chassis vehicles are affected.

301 2022 Ford F-59 Commercial Stripped Chassis vehicles are affected.

Production Dates : OCT 24, 2022 - NOV 29, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2022-2022 Ford F-59

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed plant records to determine the population of affected vehicles. Affected vehicles are equipped with rear brake calipers which may not have been secured to the required torque level.

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.

343 2022 Ford F-53 Recreational Stripped Chassis vehicles are affected.
301 2022 Ford F-59 Commercial Stripped Chassis vehicles are affected.

Production Dates : OCT 24, 2022 - NOV 29, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Affected vehicles have rear caliper attachment bolts that may not be fastened to the specified torque level.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The caliper bolts may loosen over time. If one or more bolts disengage, the caliper may damage the wheel resulting in a loss of tire pressure or the caliper may damage the brake lines causing brake fluid loss in one circuit, which may result in reduced brake system performance. Either condition increases the risk of a crash.

Description of the Cause : During the manufacturing process, the socket used to secure the caliper attachment bolts became worn over time, reducing the effectiveness of the tool to apply torque to the caliper bolt.

Identification of Any Warning that can Occur : The driver may notice a noise / bang / clunk from the rear axle if any of the caliper bolts start working loose.

Involved Components :

Component Name 1 : Caliper Bolt

Component Description : Caliper Bolt

Component Part Number : 8U94-2W303-A

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : One American Road
Dearborn Michigan 48126

Country : United States

Chronology :

December 2022

On December 1, 2022, Ford's Critical Concern Review Group (CCRG) initiated an investigation into reports of rear axle brake caliper bolts with low torque on certain 2022 model year F-53 and F-59 vehicles. During a daily torque audit on November 29, 2022, assembly plant personnel found a vehicle with rear axle caliper bolt torque below specification. Review by assembly plant quality personnel found that the socket used to secure the caliper bolts was worn, resulting in reduced ability to apply the proper torque to the bolt.

In December 2022, Ford initiated an inspection of F-53 and F-59 units at the vehicle assembly facility and upfitter facilities and found additional units with low rear axle caliper bolt torque below specification.

January 2023 – February 2023

The CCRG investigation continued to evaluate the torque level of the rear caliper bolts at Ford and upfitter facilities and found that approximately two percent (2%) of inspected vehicles had torque below specification at one or more caliper bolts. CCRG also reviewed plant maintenance records for the torque wrench and further confirmed the suspect population through statistical analysis.

Ford is not aware of any warranty or field reports related to this condition.

On March 3, 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 their rear caliper bolt torque inspected. If the torque is below specification the bolts will be retorqued to specification. For units exhibiting bolt head rounding, the bolts will be 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 2021. The ending date for reimbursement eligibility is estimated to be April 14, 2023.

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

How Remedy Component Differs from Recalled Component : Rear axle caliper bolts will have the proper torque.

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on March 13, 2023. Mailing of owner notification letters is expected to begin April 10, 2023 and is expected to be completed by April 14, 2023.

Planned Dealer Notification Date : MAR 13, 2023 - MAR 13, 2023

Planned Owner Notification Date : APR 10, 2023 - APR 14, 2023

* NR - Not Reported