

Part 573 Safety Recall Report

23V-283

Manufacturer Name : Ford Motor Company**Submission Date :** APR 20, 2023**NHTSA Recall No. :** 23V-283**Manufacturer Recall No. :** 23S17**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 : 1,434

Estimated percentage with defect : 19 %

Vehicle Information :

Vehicle 1 : 2023-2023 Ford Bronco

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Affected vehicles are equipped with lug nuts on the left-side (driver's side) road wheels that may not have been properly tightened.

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.

992 Ford Bronco vehicles are affected.

Production Dates : FEB 09, 2023 - FEB 13, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2023-2023 Ford Ranger

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Affected vehicles are equipped with lug nuts on the left-side (driver's side) road wheels that may not have been properly tightened.

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.

442 Ford Ranger vehicles are affected.

Production Dates : FEB 09, 2023 - FEB 13, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : These vehicles are equipped with lug nuts on the left-side (driver's side) road wheels that may not have been properly tightened.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Insufficiently tightened lug nuts on the vehicle's road wheels may result in loosening of the wheel attachment and potential wheel detachment from the vehicle. A wheel and tire assembly that detaches from a vehicle while driving may create a road hazard. If either were to occur, there would be an increased risk of injury or crash.

Description of the Cause : Due to an assembly process error, the lug nuts on the left-side road wheels may not have been tightened to specification.

Identification of Any Warning that can Occur : Loose wheel lug nuts may lead to vibration and noise while driving.

Involved Components :

Component Name 1 : Lug Nut

Component Description : Wheel Lug Nut

Component Part Number : ACPZ-1012-H

Supplier Identification :**Component Manufacturer**

Name : Ford Motor Company
Address : 1 American Road
Dearborn Michigan 48126
Country : United States

Chronology :

On April 13, 2023, Ford's Critical Concern Review Group (CCRG) initiated an investigation into reports of loose wheel lug nuts and wheel detachment for 2023 model year Ford Bronco vehicles. Vehicle assembly plant personnel reviewed plant process records and determined that the automated tool used to torque road wheel lug nuts on the left side (driver's side) of the vehicle was down for repair from February 9, 2023 to February 11, 2023. During this time, a manual backup process was in place to torque the lug nuts on the left side of 2023 Bronco and 2023 Ranger vehicles.

Ford's investigation has determined that the lug nuts may not have been torqued to specification on the left front and left rear road wheels during the manual backup process. This concern does not affect the wheels on the right side of the vehicle because the production tool used to torque lug nuts on the right side of the vehicle was not down for repair.

As of April 12, 2023, Ford is aware of one (1) occurrence of an owner contacting Ford's customer hotline with one (1) associated warranty report of wheel detachment; one (1) field report of wheel detachment; and one (1) warranty report of loose lug nuts on 2023 Ford Bronco vehicles. These reports were received by Ford on March 21, 2023, April 8, 2023, April 12, 2023, and April 1, 2023 respectively. The CCRG investigation determined that all vehicles with reports of detached wheels or loose lug nuts were produced on February 9, 2023.

On April 14, 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. However, Ford is aware of one (1) instance in which a detached wheel allegedly contacted another vehicle.

Description of Remedy :

Description of Remedy Program : Owners will be notified and instructed to not drive their vehicles until torque has been verified on the front and rear left-side wheel lug nuts. Owners will be given the option to make arrangements with their dealer for mobile repair at the vehicle location (participating mobile service dealers) or to have the vehicle towed to the dealership to have the lug nuts inspected and to make any necessary repairs to the lug nuts, wheel studs and wheels. As an interim action, instructions will be provided for an owner to conduct the torque verification should they have the desire and capability to do so. Instruction for validating lug nut torque is also found in the owner's manuals of the affected vehicles. In all instances, the vehicle must be inspected by a Ford or Lincoln dealer for torque validation, component damage and completion of the repair. 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 May 19, 2023.

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

How Remedy Component Differs from Recalled Component : Left side road wheel lug nuts will be torqued to specification.

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on April 20, 2023. Mailing of owner notification letters is expected to begin May 01, 2023 and is expected to be completed by May 05, 2023.

Planned Dealer Notification Date : APR 20, 2023 - APR 20, 2023

Planned Owner Notification Date : MAY 01, 2023 - MAY 05, 2023

* NR - Not Reported