

Part 573 Safety Recall Report

22V-675

Manufacturer Name : Ford Motor Company**Submission Date :** SEP 08, 2022**NHTSA Recall No. :** 22V-675**Manufacturer Recall No. :** 22S59**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 : 1,519

Estimated percentage with defect : 50 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Affected vehicles are Raptor trim series equipped with 37-inch tires.

F-150 Raptor vehicles built between April 19, 2022, and August 11, 2022, equipped with 37-inch tires may have road wheels with lug nut torque below specification.

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 : APR 19, 2022 - AUG 11, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : These vehicles are equipped with road wheel lug nuts that may have been torqued below specification.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Below-specification torque of the vehicle's road wheel lug nuts may result in loosening of the wheel attachment and potential wheel separation from the vehicle, increasing the risk of a crash.

Description of the Cause : An incorrect torque value was entered into the tool used to attach and tighten the road wheel lug nuts.

Identification of Any Warning that can Occur : Customers may experience wheel vibration and noise while driving as the road wheel lug nuts loosen.

Involved Components :

Component Name 1 : Lug Nut

Component Description : Road Wheel Lug Nut

Component Part Number : ACPA-1012-KXB

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : One American Road
Dearborn Michigan 48126

Country : United States

Chronology :

August 2022: On August 18, 2022, an issue pertaining to 2022 model year F-150 Raptor vehicles equipped with 37-inch wheels and tires was brought to Ford's Critical Concern Review Group (CCRG) for review. During a routine inspection, on August 10, 2022, a technician (Ford Employee) had identified low wheel lug nut residual torque on a prototype 2023 model year F-150 Raptor with 37-inch tires and wheels (T&W).

The Dearborn Plant Vehicle Team informed CCRG that a new 37-inch T&W option was introduced for the 2022 model year F-150 Raptor. On April 18, 2022, an automated three-spindle DC lug nut tool replaced a manual process. Manufacturing engineering determined that the new DC lug nut tool was incorrectly set to a nominal torque of 170 Nm instead of the intended 200 Nm. Dearborn Truck Plant audited 477 vehicles and found 236 with low residual torque. CCRG did not identify any reports of loose road wheels or separations.

On August 24, 2022, an off-cadence FRC was scheduled for August 31, 2022.

On August 31, 2022, 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 inspect the vehicles road wheel lug nuts and retorque to the correct specification or replace if required. 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 September 09, 2022.

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

How Remedy Component Differs from Recalled Component : Road wheel lug nuts will be properly torqued on the vehicle's wheel studs (ACPA-1012-KXB).

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on September 09, 2022. Mailing of owner notification letters is expected to begin September 19, 2022 and is expected to be completed by September 23, 2022.

Planned Dealer Notification Date : SEP 09, 2022 - SEP 09, 2022

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

* NR - Not Reported