

Part 573 Safety Recall Report

21V-324

Manufacturer Name : Ford Motor Company**Submission Date :** MAY 07, 2021**NHTSA Recall No. :** 21V-324**Manufacturer Recall No. :** 21S21**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 : 2,503

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2019-2019 FORD TRANSIT: T150, T250, T350

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier process, maintenance records and field data to determine the population of affected parts. Affected vehicles are equipped with a single rear wheel 410L axle and aluminum alloy wheels. This concern does not affect vehicles equipped with steel wheels.

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.

2503 Transit vehicles are affected.

Production Dates : APR 01, 2019 - JUN 28, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Flange flatness on axle shafts does not meet the parallelism specification leading to possible loss of clamp load on the wheel studs. Loss of clamp load can progress into the fracture of one or more attaching studs. If all attaching studs fracture while driving, the tire and wheel assembly could detach from the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of clamp load can progress into the fracture of one or more attaching studs. Fracture of all five attaching studs while driving would result in tire and wheel detachment from the rear axle of the vehicle, increasing the risk of crash.

Description of the Cause : Excess convexity of the axle flange face may cause a loss of clamp load on one or more of the wheel attaching studs. Aluminum wheels may not flex sufficiently to conform to an out of specification axle shaft flange face.

Identification of Any Warning that can Occur : Wheel studs and nuts that loosen or individually fracture may lead to vibration and noise while driving.

Involved Components :

Component Name 1 : Shaft Asy – Rear Axle

Component Description : Single Rear Wheel Axle Shaft

Component Part Number : KK4Z-4234-A

Supplier Identification :

Component Manufacturer

Name : Guru Nanak Auto Enterprises Ltd

Address : G T Road,
Jamalpur Phagwara Foreign States 144632

Country : India

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 to have the rear axle shafts inspected for convexity and if necessary, the rear axle shaft assembly, axle shaft mounting bolts, and rear wheel lug nuts 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 July 9, 2021.

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

How Remedy Component Differs from Recalled Component : The supplier modified their machining process to improve flange flatness, and a tighter flatness specification was introduced. New Single Rear Wheel Axle Shafts, Shaft Asy – Rear Axle (KK4Z-4234-B) contain a flatter wheel mounting surface on the axle shaft flange.

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on May 14, 2021. Mailing of owner notification letters is expected to begin June 21, 2021 and is expected to be completed by June 25, 2021.

Planned Dealer Notification Date : MAY 14, 2021 - MAY 14, 2021

Planned Owner Notification Date : JUN 21, 2021 - JUN 25, 2021

* NR - Not Reported