

# Part 573 Safety Recall Report

# 19V-432

**Manufacturer Name :** Ford Motor Company**Submission Date :** JUN 10, 2019**NHTSA Recall No. :** 19V-432**Manufacturer Recall No. :** 19S20**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 : 3,868

Estimated percentage with defect : 20 %

**Vehicle Information :**

Vehicle 1 : 2009-2016 Ford Econoline

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : GAS

**Descriptive Information :** Affected vehicles are equipped with a 5R110W transmission, 5.4L engine, and a school bus or ambulance prep package.

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.

Affected volume by model year:

2009: 156

2010: 138

2011: 364

2012: 527

2013: 869

2014: 360

2015: 575

2016: 879

**Production Dates :** MAY 11, 2009 - OCT 12, 2015

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

## Description of Defect :

Description of the Defect : The 5R110W-equipped vehicles contain a capacitive discharge weld within a coast clutch component in the transmission. A substandard weld may fatigue and fail, causing an elevated rate of reports of loss of motive power in the subject vehicle applications. Reports indicate that the majority of the weld failures occur when the torque is highest, which is when the driver attempts to accelerate from a stop. All normal engine, braking, and steering functionality are unaffected.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An elevated rate of loss of mobility reports in school bus and ambulance vehicle applications could present a unique risk to passengers or occupants, including a loss of mobility in school bus applications that may result in the transfer of unchaperoned children when the vehicle is immobilized in a roadway, and a loss of vehicle mobility in ambulance applications that may result in delay of patient treatment.

Description of the Cause : Asymmetrical loading from the single-engaging one-way clutch (OWC) onto the coast clutch cylinder can induce additional stress on the capacitive discharge weld in the coast clutch cylinder resulting in fatigue failure of the weld.

Identification of Any Warning that can Occur : The driver may experience a delay of transmission engagement and/or the illumination of the check engine light prior to the loss of motive power.

## Supplier Identification :

### Component Manufacturer

Name : Ford Motor Company

Address : NR

MICHIGAN

Country : United States

## 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 coast clutch cylinder replaced and to replace the single-engaging coast one-way clutch with a dual-engaging one-way clutch. 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 February 2019. The ending date for reimbursement eligibility is January 21, 2020.

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

How Remedy Component Differs from Recalled Component : Dealers will replace the single-engaging coast one-way clutch with a dual-engaging one-way clutch.

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

## Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on June 11, 2019. Mailing of owner notification letters is expected to begin July 22, 2019 and is expected to be completed by July 27, 2019.

Planned Dealer Notification Date : JUN 11, 2019 - JUN 11, 2019

Planned Owner Notification Date : JUL 22, 2019 - JUL 27, 2019

\* NR - Not Reported