

Part 573 Safety Recall Report

19V-632

Manufacturer Name : Ford Motor Company**Submission Date :** NOV 25, 2019**NHTSA Recall No. :** 19V-632**Manufacturer Recall No. :** 19S26**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 : 116,160

Estimated percentage with defect : 50 %

Vehicle Information :

Vehicle 1 : 2013-2016 Ford Fusion

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Affected vehicles are currently registered, or were originally sold, in Connecticut, Delaware, the District of Columbia, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, and Wisconsin, where high-corrosion environments associated with long-term exposure to road salt exist.

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.

68,544 Ford Fusion are affected.

8,369 Lincoln MKZ are affected.

37,608 Ford Edge are affected.

1,639 Ford MKX are affected.

Ford has updated the numbers of vehicle affected to reflect updated vehicle registration information and account for vehicles that have been registered in the applicable States. This includes the addition of vehicles that have been imported to the United States from Canada.

Production Dates : AUG 14, 2012 - JUN 28, 2015

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2013-2016 Lincoln MKZ

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Affected vehicles are currently registered, or were originally sold, in Connecticut, Delaware, the District of Columbia, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, and Wisconsin, where high-corrosion environments associated with long-term exposure to road salt exist.

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Production Dates : OCT 10, 2012 - JUN 28, 2015

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2015-2016 Ford Edge

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

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Production Dates : JUN 25, 2014 - JUN 26, 2015

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2016-2016 Lincoln MKX

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

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Production Dates : NOV 11, 2014 - JUN 25, 2015

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Vehicles that did not receive proper application of wax coating that are operated in high-corrosion environments associated with exposure to road salt may experience corrosion of the steering gear motor attachment bolts. This may result in the steering gear motor becoming loose or detaching from the gear housing, although the steering gear motor will not separate from the vehicle.

Ford is not aware of any reports of accidents or injuries related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Steering gear motor detachment from the gear housing would result in a loss of power steering assist. The steering system would default to base manual steering mode, allowing the vehicle to be steered in a safe and controlled manner. The amount of assist supplied is inversely proportional to vehicle speed, with the highest levels of assist provided at lower vehicle speeds. Loss of power steering assist would require higher steering effort, especially at lower speeds, which may result in an increased risk of a crash.

Description of the Cause : A corrective action was implemented to apply a wax coating to the steering gear bolts and interfacing surface of the steering gear. Testing has shown that the wax coating is effective at preventing corrosion when properly applied. Vehicle field inspection shows that the wax coating was inconsistently applied.

Identification of Any Warning that can Occur : Partial separation of the motor from the steering gear housing may result in motor whine, clunking noises, and illumination of the Electronic Stability Control and Traction Control malfunction indicator lamps.

Supplier Identification :**Component Manufacturer**

Name : Bosch

Address : 15 Spiral Drive
Florence KENTUCKY 41042

Country : United States

Chronology :

May – August 2019: On May 16, 2019, Ford received an inquiry from Transport of Canada based on three reports of loss of power steering assist on 2015 Edge vehicles outside the population of recall 15V250 (15S14) that exhibited a similar failure mode. Ford conducted a review of internal reports and identified nine additional reports on 2015 Edge with the same EPAS failure mode that were also outside the recall window of 15V250. All

twelve Canadian vehicles production dates were within ICA1 (Interim Containment Action1) build range.

As part of the ongoing investigation, Ford conducted vehicle inspection on vehicles in three corrosion provinces of Canada and US corrosion state of Michigan. The inspections found that the wax coating was inconsistently applied to the steering gear bolts or interfacing surfaces.

On August 21, 2019, 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 the steering gear motor attachment bolts replaced and wax sealer applied. If one or more of the steering gear motor attachment bolts are broken or missing, a new steering gear will be installed in the vehicle. There will be no charge for this service.

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

How Remedy Component Differs from Recalled Component : The remedy component is a steel bolt instead of an aluminum bolt.

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : A revised notification to dealers is expected to occur on November 21, 2019. Mailing of owner notification letters is expected to begin November 25, 2019 and is expected to be completed by November 29, 2019.

Planned Dealer Notification Date : NOV 21, 2019 - NOV 21, 2019

Planned Owner Notification Date : NOV 25, 2019 - NOV 29, 2019

* NR - Not Reported