

Part 573 Safety Recall Report

23V-905

Manufacturer Name : Ford Motor Company**Submission Date :** APR 04, 2024**NHTSA Recall No. :** 23V-905**Manufacturer Recall No. :** 23S64**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 : 139,730

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2018 Ford Focus

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Affected vehicles were built from March 24, 2015, to May 4, 2018, and are equipped with 1.0L engines paired with 6F15 automatic transmissions.

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.

26,041 Ford Focus vehicles are affected.

Production Dates : MAR 24, 2015 - MAY 04, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2022 Ford EcoSport
Vehicle Type : LIGHT VEHICLES
Body Style : ALL
Power Train : GAS

Descriptive Information : Affected vehicles were built from April 3, 2017, to October 12, 2021, and are equipped with 1.0L engines paired with 6F15 automatic transmissions.

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.

113,689 Ford EcoSport vehicles are affected.

Production Dates : APR 03, 2017 - OCT 12, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The engine oil pump drive belt tensioner arm may fracture, separate from the tensioner backing plate, and/or the oil pump drive belt material may degrade and lose teeth, resulting in a loss of engine oil pressure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of engine oil pressure can result in engine damage or seizure, which can result in a loss of motive power and a loss of the mechanical vacuum pump required to provide power braking assist, increasing the risk of a crash.

Description of the Cause : The oil pump drive belt tensioner arm retention caulking joint is not robust to the vibration experienced by the component over time, which can cause arm separation. The tensioner arm can contact the engine balancer shaft, which can cause the tensioner arm to fracture. A greater than expected load on the oil pump drive belt may result in belt degradation. Ford's engine design verification testing did not adequately represent the load on the oil pump tensioner system experienced in the vehicle.

Identification of Any Warning : The instrument cluster will display a low oil pressure warning message and may also display a check engine light. If the vehicle

that can Occur : continues to be driven, there may be a reduction in available power. Engine failure is expected to produce loud noises audible to the vehicle's occupants.

Involved Components :

Component Name 1 : Drive Belt – Oil Pump

Component Description : Oil Pump Drive Belt

Component Part Number : F1FZ-6B651-AA

Component Name 2 : Tensioner - Drive Belt

Component Description : Oil Pump Drive Belt Tensioner Assembly

Component Part Number : F1FG-6C777-AD

Supplier Identification :

Component Manufacturer

Name : Dayco Europe SRL

Address : Stradale Torino, 603
San Bernardo D'ivrea, 10015 Foreign States

Country : Italy

Chronology :

On February 15, 2022, Ford's Critical Concern Review Group (CCRG) reviewed a potential issue pertaining to 1.0L Fox Classic engine oil pump belt tensioner failures. The CCRG determined that this issue did not present an unreasonable risk to motor vehicle safety as the majority of customer verbatims indicated symptoms in the form of check engine light, low oil pressure light, and engine noise. There were no accident or injury allegations related to the concern at the time of that investigation's closure.

On July 23, 2023, the National Highway Traffic Safety Administration (NHTSA) contacted Ford regarding allegations of loss of motive power due to engine oil pump failures in 2018 to 2021 Model Year EcoSport Vehicles equipped with 1.0L Fox Classic engines.

On August 1, 2023, the CCRG reviewed this issue again and investigated loss of motive power complaints.

From August-October, 2023, Ford conducted vehicle level testing with a failed oil pump drive belt to understand the progression of symptoms. Ford obtained and performed tear-down analysis on 21 warranty return engines with suspected failed oil pumps. This teardown analysis identified the root cause failure modes.

On September 20, 2023, NHTSA opened Preliminary Evaluation (PE23-015) to determine the scope and severity of the alleged engine failure and to fully assess the potential safety-related issues. NHTSA provided 95 related VOQs with this PE. Ford provided a response to PE23-015 on November 29, 2023.

Between June 10, 2016 and October 6, 2023 Ford is aware of 2099 warranty claims for this issue.

On December 15, 2023, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is aware of one allegation of a crash resulting in two injuries potentially related to this concern. Ford is unaware of any fatalities related to this concern.

Description of Remedy :

Description of Remedy Program : When parts are available, owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have the oil pump drive belt tensioner assembly the oil pump drive belt replaced. There will be no charge for this service. Ford currently anticipates full part availability by November 2025. Ford is working with its supplier to improve part availability timing.

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 2023. The ending date for reimbursement eligibility is estimated to be December 5, 2025.

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 oil pump tensioner assembly (F1FZ-6B651-BA) will utilize a bolted joint to retain the tensioner arm and a shorter tensioner arm to prevent contact with the balance shaft. The remedy oil pump drive belt (F1FG-6C777-BA) will have updated material properties to prevent the drive belt material from degrading or losing teeth.

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on January 3, 2024 Mailing of

owner notification letters is expected to begin February 13, 2024 and is expected to be completed by February 20, 2024

Planned Dealer Notification Date : JAN 03, 2024 - JAN 03, 2024

Planned Owner Notification Date : FEB 13, 2024 - FEB 20, 2024

* NR - Not Reported