

Part 573 Safety Recall Report

24V-635

Manufacturer Name : Ford Motor Company**Submission Date :** AUG 23, 2024**NHTSA Recall No. :** 24V-635**Manufacturer Recall No. :** 24S55**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 : 90,736

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2022 Ford Bronco

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier and engine plant records to determine the population of affected vehicles.

Affected vehicles are equipped with 2.7L and 3.0L Nano EcoBoost engines.

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.

15,835 Ford Bronco vehicles are affected.

Production Dates : MAY 01, 2021 - OCT 30, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2022 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier and engine plant records to determine the population of affected vehicles.

Affected vehicles are equipped with 2.7L Nano EcoBoost engines.

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.

47,719 Ford F-150 vehicles are affected.

Production Dates : MAY 01, 2021 - OCT 31, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2021-2022 Ford Edge

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier and engine plant records to determine the population of affected vehicles.

Affected vehicles are equipped with 2.7L Nano EcoBoost engines.

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.

2,366 Ford Edge vehicles are affected.

Production Dates : MAY 10, 2021 - OCT 29, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2021-2022 Ford Explorer

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier and engine plant records to determine the population of affected vehicles.

Affected vehicles are equipped with 3.0L Nano EcoBoost engines.

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.

14,262 Ford Explorer vehicles are affected.

Production Dates : JUN 07, 2021 - OCT 31, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2021-2022 Lincoln Nautilus

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier and engine plant records to determine the population of affected vehicles.

Affected vehicles are equipped with 2.7L Nano EcoBoost engines.

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.

3,355 Lincoln Nautilus vehicles are affected.

Production Dates : MAY 10, 2021 - OCT 29, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2021-2022 Lincoln Aviator

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier and engine plant records to determine the population of affected vehicles.

Affected vehicles are equipped with 3.0L Nano EcoBoost engines.

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.

7,199 Lincoln Aviator vehicles are affected.

Production Dates : JUN 07, 2021 - OCT 31, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The engines in affected vehicles may contain intake valves that have a propensity to crack and break. An engine intake valve that fails may lead to catastrophic engine damage resulting in a loss of motive power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of motive power can increase the risk of a crash.

Description of the Cause : The engine intake valves may have grinding burn and over-specification hardness at the third keeper groove location in the valve.

Identification of Any Warning that can Occur : An engine malfunction indicator lamp will illuminate on the cluster and customers may notice their vehicle running rough prior to losing motive power.

Involved Components :

Component Name 1 : Intake Valve

Component Description : 2.7L / 3.0L Nano Intake Valve

Component Part Number : JT4E-6507-AB

Supplier Identification :**Component Manufacturer**

Name : Eaton Corporation
Address : 4200 HWY 30 E
Kearney Nebraska 68847-9795
Country : United States

Chronology :

Chronology is provided as an attachment.

Description of Remedy :

Description of Remedy Program : Dealers will inspect each vehicle to determine its cumulative number of engine cycles. For vehicles that do not meet the engine cycle threshold, dealers will accumulate high revolutions per minute (rpm) engine cycles per a service procedure. Engines will be replaced on vehicles that do not pass the engine cycle accumulation.

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. Owners who have paid to have these repairs completed at their own expense may be eligible for reimbursement, in accordance with the recall reimbursement plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : Replacement engine assemblies are manufactured with intake valves that are within specification for hardness.

Identify How/When Recall Condition was Corrected in Production : Not required per 49 Part 573.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on September 30, 2024. Mailing of owner notification letters is expected to begin October 07, 2024 and is expected to be completed by October 11, 2024.

Planned Dealer Notification Date : SEP 30, 2024 - SEP 30, 2024

Planned Owner Notification Date : OCT 07, 2024 - OCT 11, 2024

* NR - Not Reported