

Part 573 Safety Recall Report

22V-859

Manufacturer Name : Ford Motor Company

Submission Date : NOV 18, 2022

NHTSA Recall No. : 22V-859

Manufacturer Recall No. : 22S73



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 : 521,778

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2023 Ford Escape

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The affected design was introduced into production on 11/19/2018 (earliest production date for 2020MY Escape) and were taken out of production on 10/17/2022 (latest production date for 2023MY Escape and Bronco Sport).
Affected vehicles are equipped with 1.5L engines.
333,342 Escape vehicles are affected

Production Dates : NOV 19, 2018 - OCT 17, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2021-2023 Ford Bronco Sport

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The affected design was introduced into production on 11/19/2018 (earliest production date for 2020MY Escape) and were taken out of production on 10/17/2022 (latest production date for 2023MY Escape and Bronco Sport).
Affected vehicles are equipped with 1.5L engines.
188,436 Bronco Sport vehicles are affected.

Production Dates : FEB 05, 2020 - OCT 17, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : A fuel injector may crack, resulting in fuel and/or fuel vapor migrating to and/or accumulating near ignition sources resulting in potential under hood fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Liquid fuel and/or fuel vapor that accumulates near a sufficiently hot surface, below the combustion initiation flame speed, may ignite resulting in an underhood fire, and increasing the risk of injury.

Description of the Cause : The root cause is still under investigation. Based on analysis to date, a cracked fuel injector in the engine allows for fuel to leak at a high rate (19L/hour) into the cylinder head, which can travel out via a drain hole and down onto hot surfaces on the exhaust/turbo system where it may combust.

Identification of Any Warning that can Occur : A fuel leak may result in fuel odor both outside and inside the vehicle. If the fuel leak initiates a fire that progresses, the customer may notice smoke or flames emanating from the engine compartment or underbody.

Involved Components :

Component Name 1 : Engine Control Software

Component Description : An updated engine control software will be installed to detect a pressure drop in the fuel rail, provide instrument cluster messaging to the customer to seek service, invoke a strategy to disable th

Component Part Number : TBD

Component Name 2 : Drain Tube

Component Description : A drain tube will also be installed to allow fuel to drain from the cylinder head drain hole, away from surfaces which may initiate combustion, to the ground below the vehicle.

Component Part Number : NX6E-8A507-AA

Supplier Identification :**Component Manufacturer**

Name : Ford Motor Company
Address : 1 American Road
Dearborn Michigan 48126
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 engine control software updated to include fuel injector leak detection and a drain tube installed. 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 estimated to be December 30, 2022.

How Remedy Component Differs from Recalled Component : Component Name: Engine Control Software
Component Description: An updated engine control software will be installed to detect a pressure drop in the fuel rail, provide instrument cluster messaging to the customer to seek service, invoke a strategy to disable the high pressure fuel pump, derate engine power output and reduce temperatures of possible ignition sources in the engine compartment.
Component Part Number: [TBD]

Component Name: Drain Tube
Component Description: A drain tube will also be installed to allow fuel to drain from the cylinder head drain hole, away from surfaces which may initiate combustion, to the ground below the vehicle.
Component Part Number: NX6E-8A507-AA

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 22, 2022. Mailing of owner notification letters is expected to begin December 19, 2022 and is expected to be completed by December 23, 2022.

Planned Dealer Notification Date : NOV 22, 2022 - NOV 22, 2022

Planned Owner Notification Date : DEC 19, 2022 - DEC 23, 2022

* NR - Not Reported