

Part 573 Safety Recall Report

24V-187

Manufacturer Name : Ford Motor Company**Submission Date :** MAR 08, 2024**NHTSA Recall No. :** 24V-187**Manufacturer Recall No. :** 24S16**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 : 42,652

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2022-2023 Ford Bronco Sport

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The combination of fuel injector design and engine software was introduced into production on 10/17/2022 and was taken out of production on 1/13/2023. Affected vehicles are equipped with 1.5L 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.

22,270 Bronco Sport vehicles are affected.

Production Dates : OCT 17, 2022 - JAN 13, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2022-2022 Ford Escape

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The combination of fuel injector design and engine control software was introduced into production on 10/17/2022 and was taken out of production on 12/15/2022. Affected vehicles are equipped with 1.5L 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.

20,382 Escape vehicles are affected.

Production Dates : OCT 17, 2022 - DEC 15, 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 or vapor migrating to and accumulating near ignition sources, resulting in potential underhood 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 : 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.

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

Involved Components :

Component Name 1 : XL3 Injector

Component Description : High Pressure Fuel Injector

Component Part Number : HX7G-9F597-BC

Supplier Identification :

Component Manufacturer

Name : Vitesco Technologies
Address : SS 206, KM 28
Fauglia, Pisa Foreign States 56043
Country : Italy

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 2023. The ending date for reimbursement eligibility is estimated to be April 19, 2024.

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:
2022MY Escape; PN6A-12A650-AFE, -AGE, -AHE, -AJE
2023MY Bronco Sport; PP1PA-12A650-AE, -CE, -DE
2022MY Bronco Sport; N1PA-12A650-AD, -BD, -CD, -DD

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 March 11, 2024. Mailing of owner notification letters is expected to begin April 1, 2024, and is expected to be completed by April 5, 2024.

Planned Dealer Notification Date : MAR 11, 2024 - MAR 11, 2024

Planned Owner Notification Date : APR 01, 2024 - APR 05, 2024

* NR - Not Reported