

Part 573 Safety Recall Report

21V-770

Manufacturer Name : Ford Motor Company**Submission Date :** OCT 01, 2021**NHTSA Recall No. :** 21V-770**Manufacturer Recall No. :** 21C23**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 : 553

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Ford Bronco

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed supplier process and maintenance records to determine the population of affected vehicles. The Ford process is capable of tracing passenger airbag production to the vehicle in which the passenger airbag is installed. The recalled part was introduced into production on 07/18/2021 and was taken out of production on 08/17/2021. The affected vehicle is the 2021 Ford Bronco. 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.

Production Dates : JUL 18, 2021 - AUG 17, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : During a passenger airbag deployment, an airbag vent could open prematurely, which could result in an improper deployment. These vehicles may not comply with the requirements of Federal Motor Vehicle Safety Standard 208 - Occupant crash protection.

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

Description of the Safety Risk : Premature opening of the airbag vent could result in improper airbag deployment, increasing the risk of an occupant injury during a crash.

Description of the Cause : Certain airbags assembled by the supplier were improperly folded.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Passenger Airbag

Component Description : Passenger Airbag Module

Component Part Number : M2DB-S044A74-AH

Supplier Identification :

Component Manufacturer

Name : Joyson Safety Systems

Address : LIBRAMIENTO CAR SAL DE GOR #198
CIUDAD FRONTERA Foreign States 25610

Country : Mexico

Chronology :

August – September 2021

On August 12, 2021, an issue pertaining to the 2021 Ford Bronco passenger airbag was brought to Ford's Critical Concerns Review Group (CCRG) for review. The supplier (Joyson) informed Ford that a vent on the airbag had opened prematurely (prior to the micro gas-generator being activated) in some of their routine lot acceptance (LAT) audit tests. Airbag lots with these test anomalies were properly quarantined, though the cause of the premature vent opening was unknown. Further review of the supplier's LAT data found test anomalies were exclusively associated with bags folded by one of the six associates assigned to the airbag fold operation. It was subsequently observed that this lone associate began introducing an extra fold operation when they were reassigned to this fold operation in late June. The extra fold operation by this associate was not in accordance with design intent. Review of the supplier's production records found that additional airbag lots that passed the supplier's routine LAT test requirements also contained bags folded by this associate, but were not selected for the routine LAT audit test.

Ford conducted Computer Aided Engineering (CAE) analysis to evaluate the potential effects of premature vent opening. The results predicted a potential risk of not meeting certain crash performance criteria with respect to FMVSS 208.

On September 27, 2021, 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 passenger airbag replaced. There will be no charge for this service. Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern. Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : The replacement passenger airbags were produced with bag folding according to design intent and identified by part number is M2DZ-78044A74-B.

Identify How/When Recall Condition was Corrected in Production : Process control and detection method revisions were implemented at the supplier on August 6th, 2021, and verified by the Ford Supplier Technical Assistance Team. The verified passenger airbags were introduced into vehicle production on August 17, 2021.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on 10/5/2021. Mailing of owner notification letters is expected to begin 11/15/2021 and is expected to be completed by 11/19/2021.

Planned Dealer Notification Date : OCT 05, 2021 - OCT 05, 2021

Planned Owner Notification Date : NOV 15, 2021 - NOV 19, 2021

* NR - Not Reported