

Part 573 Safety Recall Report

21V-982

Manufacturer Name : Ford Motor Company**Submission Date :** DEC 16, 2021**NHTSA Recall No. :** 21V-982**Manufacturer Recall No. :** 21S52**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 : 839

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Ford Ranger

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Ford's team reviewed plant records to determine the population of affected vehicles. The Ford process is capable of tracing affected vehicles based on which radar alignment lane the vehicle went through during production. This condition only affects Adaptive Cruise Control capable Ford Ranger and Bronco vehicles built within the time periods above and aligned on certain radar alignment lanes at the assembly plant. Vehicles built outside of the time periods above or on an unaffected alignment lane are not affected.

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.

588 Ranger vehicles are affected

Production Dates : JUN 05, 2021 - JUL 13, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Ford Bronco

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Ford's team reviewed plant records to determine the population of affected vehicles. The Ford process is capable of tracing affected vehicles based on which radar alignment lane the vehicle went through during production. This condition only affects Adaptive Cruise Control capable Ford Ranger and Bronco vehicles built within the time periods above and aligned on certain radar alignment lanes at the assembly plant. Vehicles built outside of the time periods above or on an unaffected alignment lane are not affected.

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.
251 Bronco vehicles are affected.

Production Dates : FEB 26, 2021 - JUL 13, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The radar module used for Cruise Control function and Advanced Automatic Emergency Braking (AEB) was incorrectly aligned during production.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A misaligned cruise control module radar can cause the vehicle to have a closer-than-expected following distance when using the adaptive cruise control feature, or the automatic emergency braking system may react late resulting in sudden loss of speed during an automatic Pre-Collision Assist braking event. The Pre-Collision Assist system's effectiveness to detect a potential frontal collision may be compromised, increasing the risk of a crash.

Description of the Cause : An incorrect radar alignment software program was inadvertently used, resulting in an incorrect radar alignment target position.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

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 Cruise Control Radar Module angle adjusted. 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.

How Remedy Component Differs from Recalled Component : N/A

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on December 16, 2021.
Mailing of owner notification letters is expected to begin December 16, 2021 and is expected to be completed by December 16, 2021.

Planned Dealer Notification Date : DEC 16, 2021 - DEC 16, 2021

Planned Owner Notification Date : FEB 07, 2022 - FEB 11, 2022

* NR - Not Reported