

Part 573 Safety Recall Report

21V-076

Manufacturer Name : Ford Motor Company

Submission Date : FEB 17, 2021

NHTSA Recall No. : 21V-076

Manufacturer Recall No. : 21S05



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 : 144,340

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2004-2006 Ford Ranger

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Ford Customer Service Division conducted inquiries of dealers and collision shops that ordered airbag service parts. The dealers or collision shop could not provide records of the VINs or the customer who purchased the service parts for 45 service parts that are compatible with the 2004 though 2006 model year Ford Rangers. The affected vehicle population for this program involves 2004 though 2006 model year Ford Ranger vehicles that received a final remedy recall repair to replace the original Takata driver and/or passenger airbag inflator during the time period where obsolete Takata inflator service parts were available. If the vehicle received a subsequent airbag replacement for collision damage or theft, Ford is unable to confirm if the subsequent repair included an obsolete service part.

Production Dates : MAY 13, 2003 - MAY 02, 2006

VIN Range 1 : Begin : NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Ford Customer Service Division identified that certain Takata airbag modules were not purged from service stock after permanent recall remedy parts became available. Ford conducted an extensive investigation and identified some service parts that were returned to Ford or scrapped locally, or traceable to being installed on a specific VIN in a collision repair.

Ford was unable to locate a certain number of service parts that may remain in dealer inventory, may have been sold to third parties or scrapped, or potentially installed on a vehicle in a collision repair. There is a concern that these Takata service parts may have subsequently been installed in a vehicle due to collision or theft after the vehicle had the Takata final recall repair completed.

Ford was not able to locate 45 single-stage inflator parts that are compatible with 2004-2006 MY Ford Ranger vehicles. There are a total of 144,325 2004-2006 MY Ranger vehicles identified that received the Takata recall repair before the service parts were eliminated. After an ongoing discussion with NHTSA, the Agency has requested that Ford conduct a vehicle safety recall on these Ranger vehicles due to the higher severity risk associated with an inflator rupture of a single-stage inflator. Ford is not aware of any reports of accident or injury related to the condition associated with the inflators included in this recall.

Regarding the obsolete service parts, Takata has determined that a defect related to motor vehicle safety may arise in some of the subject non-desiccated ammonium nitrate inflators due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures, and high temperature cycling. Testing and analyses conducted by Takata and by independent entities have found that there are wide differences in the time periods in which propellant degradation takes place. The propellant degradation varies in different climate zones, in different vehicle m

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The obsolete driver or passenger frontal airbag inflator service part could rupture if the vehicle is involved in a crash where the supplemental front airbags are designed to deploy and the inflator has experienced degradation. If an inflator ruptures, metal fragments could enter the passenger compartment increasing the risk of injury or death to occupants.

Description of the Cause : Certain Takata airbag modules may not have been purged from service stock after permanent repair parts became available.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Frontal Airbag Module - Driver

Component Description : 2004-2006 MY Ford Ranger

Component Part Number : 4L5Z-63043B13-A

Component Name 2 : Frontal Airbag Module - Passenger

Component Description : 2004-2006 MY Ford Ranger

Component Part Number : 8L5Z-10044A74-A

Supplier Identification :

Component Manufacturer

Name : TK Holdings

Address : 888 16th Street NW

Washington District of Columbia 20006

Country : United States

Chronology :

In first quarter 2019, Ford Customer Service Division discovered that certain Takata airbag service modules had not been purged from service stock after permanent replacement remedy parts became available.

In May 2019, Ford informed NHTSA of the concern and shared details of Ford's ongoing investigation.

Ford conducted an extensive investigation to locate the service parts and identify purchasers of the service parts. Ford contacted dealers and collision shops that ordered airbag service parts during the suspect time frame. Throughout 2019 and 2020, Ford continued to review with NHTSA the status of Ford's ongoing investigation during regular Takata inflator recall review meetings.

Ford was unable to account for 45 single-stage inflator Takata service parts that are compatible with 2004-2006 MY Ford Rangers. Ford was unable to identify whether they remain in dealer or collision shop inventory or were scrapped locally, or whether they are traceable to being installed on a specific VIN in a collision repair.

On February 4, 2021, NHTSA requested that Ford conduct a vehicle safety recall for all 2004-2006 MY Ranger vehicles that had the Takata airbag recall completed prior to the purging of the obsolete Takata service parts.

On February 9, 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 their driver or passenger airbag inflator or module inspected and replaced if necessary. There will be no charge for this service.

Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : The obsolete service parts contained non-desiccated phase stabilized Ammonium Nitrate as a propellant. The remedy parts utilize Guanidine Nitrate as a propellant.

Identify How/When Recall Condition was Corrected in Production : This condition was identified post production

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on February 17, 2021. Mailing of owner notification letters is expected to begin March 8, 2021, and is expected to be completed by March 12, 2021.

Planned Dealer Notification Date : FEB 17, 2021 - FEB 17, 2021

Planned Owner Notification Date : MAR 08, 2021 - MAR 12, 2021

* NR - Not Reported