

# Part 573 Safety Recall Report

# 17V-598

**Manufacturer Name :** Ford Motor Company**Submission Date :** SEP 25, 2017**NHTSA Recall No. :** 17V-598**Manufacturer Recall No. :** 17S29**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 : 39

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2018-2018 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

**Descriptive Information :**

- This issue affects certain Raptor Super Cab non-moonroof vehicles.
- Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing body roof structure production to specific vehicles

Structural braces in the roof of affected vehicles may have missing rivets in their attachment to the roof rail structure . Vehicles not included in the recall were not built during the suspect production period.

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 : JUN 08, 2017 - AUG 21, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** Structural braces in the roof of affected vehicles may have missing rivets in their attachment to the roof rail structure.

Ford is not aware of any reports of accident or injury related to this condition

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Vehicles with missing roof brace rivets may have reduced structural integrity, potentially increasing the risk of injury in a rollover.

**Description of the Cause :** An unrelated change to the vehicle assembly plant's control logic for the automated body shop assembly process inadvertently introduced an error affecting the roof brace attachments rivet robot, for Raptor non-moonroof vehicles. This error prevented the automated riveting of the roof brace to the roof header for this specific vehicle configuration. Other vehicle configurations and body styles were not affected by this error.

**Identification of Any Warning that can Occur :** A vehicle occupant may hear a squeak or rattle from the interior roof area.

## Supplier Identification :

### Component Manufacturer

Name : Kuka Systems North America, LLC

Address : 6600 Center Drive  
Sterling Heights MICHIGAN 48312

Country : United States

## Chronology :

On 24-Aug-2017, Ford's Critical Concern Review Group was informed that a non-moonroof Raptor vehicle had been identified with missing roof brace rivets. This vehicle had been identified during a standard production rough road drive at Ford's Dearborn Truck Plant (DTP). During this evaluation a technician observed a squeak and rattle in the interior roof area of a 2018 F-150 Raptor Super Cab non-moonroof equipped vehicle. The unit was later tested on the squeak and rattle machine at DTP which identified that the area of concern had missing rivets in the roof brace attachment to the roof rail structure. Subsequent investigation of the body framing station found that an unrelated change to DTP's control logic for the automated body shop assembly process that launched on 6/08/2017, inadvertently introduced an error affecting the roof brace attachments, for Raptor non-moonroof vehicles. This error prevented the automated riveting of the roof brace to the roof for this specific vehicle configuration. The investigation confirmed that no other vehicle configurations and body styles were affected by this error.

On September 18, 2017, Ford's Field Review Committee reviewed the concern and approved a field action.

## 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 rivets for the roof brace attachments installed. There will be no charge for this service.  
Ford will forward a copy of the notification letters to dealers to the agency when available.

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 : The remedy component will have the rivets installed at the dealers, per design intent, as instructed in the dealer bulletin technical information. Bracket, Header Reinforcement, FL34-15030B02/3-A

Identify How/When Recall Condition was Corrected in Production : The condition was corrected in production on 08/22/2017 by revising the control logic in the automated body shop assembly process and verifying with a physical build per the control plan.

## Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on September 26, 2017.  
Mailing of owner notification letters is expected to begin October,16,2017 and is expected to be completed by October 20, 2017.

Planned Dealer Notification Date : SEP 26, 2017 - SEP 26, 2017

Planned Owner Notification Date : OCT 16, 2017 - OCT 20, 2017

\* NR - Not Reported