

Part 573 Safety Recall Report

21V-090

Manufacturer Name : Ford Motor Company**Submission Date :** FEB 18, 2021**NHTSA Recall No. :** 21V-090**Manufacturer Recall No. :** 21C06**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 : 79,017

Estimated percentage with defect : 95 %

Vehicle Information :

Vehicle 1 : 2021-2021 Ford F-150

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 parts. The Ford process is capable of tracing clearcoat & primer batch production to the vehicle in which it is applied.

Affected vehicles were produced with specific batches of clearcoat and/or primer that were verified to have substandard flow additive. Each paint color has a unique suspect date range.

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.

Volume F-150 32,240 total

Production Dates : OCT 27, 2020 - FEB 03, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2021 Ford Super Duty

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

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Volume Super Duty 46,777 total

Approx breakdown by series:

F250 - 24,922

F350 - 15,147

F450 - 3,330

F550 - 3,378

Production Dates : OCT 13, 2020 - JAN 23, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : Inadequate front windshield adhesion to the vehicle body structure.

FMVSS 1 : 212 - Windshield mounting

FMVSS 2 : NR

Description of the Safety Risk : The windshield may not stay adequately retained in a crash, which may increase the risk of injury to an occupant in a crash.

Description of the Cause : A non-conforming batch of the paint supplier's flow additive within the clearcoat & one specific primer resulted in reduced bonding performance to the urethane adhesive used to attach the windshield to the vehicle body structure.

Identification of Any Warning that can Occur : Customer may experience wind noise and/or water leak.

Involved Components :

Component Name 1 : Paint – Clearcoat, Primer

Component Description : Water born base clearcoat Gen5w / WBBC

Component Part Number : Gen5w Colorless Clear (RKA01199), Tinted Clearcoat (RKA01343), Leadfoot Gray Base (686-DP681) & Smok

Supplier Identification :**Component Manufacturer**

Name : Axalta Coating Systems, LLC

Address : 400 N. Groesbeck Highway
Mount Clemens Michigan 48043

Country : United States

Chronology :

January 2021 – On January 14th, an issue pertaining to windshield adhesion on certain F-150 vehicles was brought to Ford's Critical Concerns Review Group (CCRG) for review. One of Ford's paint suppliers had notified Ford of an F-150 windshield adhesion concern based on their weekly onsite panel test at Ford's Dearborn Assembly Plant. A review of vehicle glass cut-outs from available vehicles built within the suspect population showed similar adhesion concerns.

Further investigation found that an improper flow additive was utilized at the paint supplier, resulting in diminished adhesive performance within clearcoat and/or paint base layers. Subsequent review found suspect paint formulations were also utilized at Ford's Kentucky Truck Plant for certain F-Super Duty vehicles.

Vehicle glass cut-out inspections were conducted at both assembly plants across a multiple of paint color configurations and vehicle build timeframes. Based on the level of adhesion performance observed from the panel testing and vehicle glass cut-outs, Ford engineering was not confident that affected units would meet the requirements of FMVSS 212.

On February 11th, 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.

No warranty claims nor field reports are associated with this concern.

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 windshield removed and reinstalled using standard service procedures. 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 windshield will be removed and reinstalled using standard service procedures using the properly formulated materials.

Identify How/When Recall Condition was Corrected in Production : The paint system equipment was purged and reloaded with properly formulated verified material.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on April 6th, 2021. Mailing of owner notification letters is expected to begin April 6th, 2021 and is expected to be completed by April, 12th, 2021.

Planned Dealer Notification Date : APR 06, 2021 - APR 06, 2021

Planned Owner Notification Date : APR 06, 2021 - APR 12, 2021

* NR - Not Reported