

# Part 573 Safety Recall Report

## 20V-467

**Manufacturer Name :** Ford Motor Company**Submission Date :** AUG 10, 2020**NHTSA Recall No. :** 20V-467**Manufacturer Recall No. :** 20S40**Manufacturer Information :****Population :**

Manufacturer Name : Ford Motor Company

Number of potentially involved : 431

Address : 330 Town Center Drive

Estimated percentage with defect : 40 %

Suite 500 Dearborn MI 48126-2738

Company phone : 1-866-436-7332

**Vehicle Information :**

Vehicle 1 : 2020-2020 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

**Descriptive Information :** Ford's team reviewed plant production records to determine the population of affected parts.

Affected vehicles were built at Kansas City Assembly Plant on the evening shift that overlapped June 30, 2020 and July 1, 2020.

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 30, 2020 - JUL 01, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

**Description of the Defect :** Affected vehicles may be built with an improper attachment nut used to fasten the power supply cable to the starter motor.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Attachment nuts designed and used for a different application may have been used to fasten the B+ power supply to the starter motor. These nuts do not have the same attachment torque characteristics or conductive coating specified for the B+ power supply attachment to the starter motor. Usage of

**Description of the Cause :** an improper attachment nut that does not contain the specified attachment torque characteristics or conductive coating may not provide a secure connection to the starter and may not provide the required conductive properties. This could increase the potential for incremental heat generation during a vehicle start cycle, and electrical arcing, which could lead to a fire.

**Description of the Cause :** A box of attachment nuts designed and used to fasten the B+ power supply starter connection were inadvertently mixed with a box of attachment nuts designed and used for a different application.

**Identification of Any Warning that can Occur :** A customer may observe a grinding noise upon engine start-up or upon restart during a stop-start event, or the engine may not start.

## Involved Components :

**Component Name 1 :** M8 Nut and Washer

**Component Description :** M8 nut and captive washer with conductive coating

**Component Part Number :** W711953-S900

## Supplier Identification :

### Component Manufacturer

**Name :** NR

**Address :** NR

NR

**Country :** NR

## Chronology :

On July 9, 2020, an assembly concern on a 2020 F150 starter motor was brought into Ford's Critical Concern Review Group (CCRG) for review. The CCRG learned that on Wednesday, July 1, 2020, an operator at Ford's Kansas City Assembly Plant (KCAP) observed mix stock in the box of attachment nuts used to fasten the B+ power supply cable to the starter motor. This observation occurred at the start of the morning shift on July 1, 2020. This operator also worked the morning shift on Tuesday, June 30, 2020 and stated that the box of nuts was not mixed at the end of that shift. The mixed stock contained two nuts: 1) the correct M8 nut with a captive washer and conductive coating, and 2) an incorrect M8 nut with non-conductive coating and a flange design used for air conditioner lines. CCRG began an assessment of effect on vehicle operation, including starter functionality and electrical system function.

On August 3, 2020, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of fire, 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 starter motor B+ power supply attachment nut 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 remedy M8 attachment nut has the specified conductive coating and captive washer.

**Identify How/When Recall Condition was Corrected in Production :** Vehicles not included in this recall were built with the correct attachment nut used to fasten the power supply cable to the starter motor.

### Recall Schedule :

**Description of Recall Schedule :** Notification to dealers is expected to occur on August 11, 2020. Mailing of owner notification letters is expected to begin August 24, 2020 and is expected to be completed by August 28, 2020.

**Planned Dealer Notification Date :** AUG 11, 2020 - AUG 11, 2020

**Planned Owner Notification Date :** AUG 24, 2020 - AUG 28, 2020

\* NR - Not Reported