

Part 573 Safety Recall Report

18V-802

Manufacturer Name : Ford Motor Company**Submission Date :** NOV 14, 2018**NHTSA Recall No. :** 18V-802**Manufacturer Recall No. :** 18S36**Manufacturer Information :****Population :**

Manufacturer Name : Ford Motor Company

Number of potentially involved : 4

Address : 330 Town Center Drive

Estimated percentage with defect : 100 %

Suite 500 Dearborn MI 48126-2738

Company phone : 1-866-436-7332

Vehicle Information :

Vehicle 1 : 2019-2019 Ford SuperDuty

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

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 6R140 transmission production to the vehicle in which the 6R140 transmission is installed.

Affected vehicles are equipped with the suspect 6R140 transmission cases.

Ford vehicles are not produced in VIN order and we typically cannot provide VIN specific information. However, in this instance Ford is able to provide the specific VIN list – see attachment VINs.

1FT8W3DT1KEC59318

1FT8W4DT7KEC44747

1FT7X2AT1KEC50187

1FT8W3BT5KEC59566

Production Dates : AUG 21, 2018 - AUG 23, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : Ford was notified by its supplier that certain transmissions built between 8/21/2018 and 8/23/2018 were produced with missing material in the transmission casting where the park pawl engages the transmission case. Loss of the transmission case ability to secure the park pawl assembly could result in unintended vehicle movement.

Ford is not aware of any reports of unintended vehicle movement, accident or injury related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of the transmission case ability to secure the park pawl could result in unintended vehicle movement, increasing the risk of accident or injury.

Description of the Cause : Fatigue fracture of a casting die insert for the transmission case resulted in missing material where the park pawl engages the transmission case.

Identification of Any Warning that can Occur : None.

Supplier Identification :**Component Manufacturer**

Name : NemaK Wisconsin

Address : 4243 Gateway Drive
Sheboygan WISCONSIN 53082

Country : United States

Chronology :

October 2018: An issue concerning certain transmission cases potentially produced with voids in the material where the park pawl engages the transmission case was brought to Ford's Critical Concern Review Group (CCRG) for review. The transmission case supplier indicated that certain transmissions built between 8/21/2018 and 8/23/2018 (Julian dates 227 and 228) may be missing material where the park pawl engages the transmission case. The majority of potentially affected vehicles were successfully quarantined through an in-transit stop ship that had previously been issued. However, four potentially affected vehicles were not contained and were delivered to customers.

CCRG requested an assessment of the effect on park function for a transmission case with missing material in this area. CAE analysis simulating this condition was conducted and found that the park pawl application duty cycle may surpass the long term predicted fatigue life for this area of the transmission case.

On November 5, 2018, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any reports of unintended vehicles movement, 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 transmission case inspected for Julian build dates 227 or 228 and replace as necessary. 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 : Potentially affected transmission cases are stamped with Julian build dates 227 or 228. Replacement transmissions were produced on different dates.

Identify How/When Recall Condition was Corrected in Production : Transmissions not included in this recall were built with a casting die insert that was corrected in production.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on 11/15/2018. Mailing of owner notification letters is expected to begin the week of 12/3/2018 and is expected to be completed by 12/07/2018.

Planned Dealer Notification Date : NOV 15, 2018 - NOV 15, 2018

Planned Owner Notification Date : DEC 03, 2018 - DEC 07, 2018

* NR - Not Reported