

Part 573 Safety Recall Report

19V-726

Manufacturer Name : Ford Motor Company

Submission Date : NOV 15, 2019

NHTSA Recall No. : 19V-726

Manufacturer Recall No. : 19S34



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 : 17,965

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 Ford Ranger

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Ford's Manufacturing team reviewed plant records to determine the population of affected vehicles that may have been built with a suspect blower motor.

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 : AUG 01, 2019 - SEP 27, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : In some of the affected vehicles, the Heating, Ventilating and Air Conditioning (HVAC) blower motor may have been built with an improper clearance between an electrical terminal and the conductive base plate slot that may result in a resistive electrical short.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A blower motor built with this improper clearance between the electrical terminal and the conductive base plate may result in a resistive electrical short that can increase the risk of overheating, melting, smoke and/or fire.

Description of the Cause : The blower motor base plate supplier made a tooling change that resulted in an improper clearance between an electrical terminal and the conductive base plate slot.

Identification of Any Warning None
that can Occur :

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Detroit Thermal Systems

Address : 6505 Cogswell St.
suite 100 Romulus Michigan 48174

Country : United States

Chronology :

On September 19, 2019 a concern pertaining to reports of smoke or fire on Ranger vehicles that had not yet been delivered to final destination dealers was brought to Ford's Critical Concern Review Group (CCRG) for review. In the previous week, drivers had reported smoke (5 incidents) while driving or fire (1 incident) at vehicle start up. Ford conducted vehicle drive evaluations on four of the suspect vehicles and could not duplicate the concern.

Vehicle inspection and component tear down analysis on 6 of the reported vehicles subsequently identified a touch condition between an electrical terminal and the conductive base plate internal to the HVAC blower motor assembly. Ford was informed of a prior, unauthorized change by a tier 3 supplier to the blower motor conductive base plate for an unrelated reason. This change resulted in reduced clearance between the stator assembly phase terminals and the conductive base plate slots.

Blower motors that had been produced during the suspect timeframe were disassembled and evaluated for dimensional clearance variation. A series of tests, including vibration testing and electrical conductivity testing, were conducted to evaluate blower motors produced within the suspect timeframe.

On October 9, 2019, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is aware of one warranty report of smoke while driving potentially related to this concern. Ford is not

aware of any reports of accident or injury related to this condition.

OneGene is the tier 2 supplier for the blower motor and TaeSung is the tier 3 supplier for the base plate.

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 HVAC blower motor date code inspected. Motors built within the suspect timeframe will be 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 : Suspect blower motors were built with part number KB3B-19847-AC and a build date code of 190614 (June 14, 2019) through 190922 (September 22, 2019). Blower motors with a date code outside of these are not affected by this concern. The remedy components were produced after the quality concern was identified and corrective actions were implemented.

Identify How/When Recall Condition was Corrected in Production : Blower motor assemblies built with corrective actions were implemented into vehicle production on September 27, 2019.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on October 11, 2019. Mailing of owner notification letters is expected to begin December 2, 2019 and is expected to be completed by December 6, 2019.

Planned Dealer Notification Date : OCT 11, 2019 - OCT 11, 2019

Planned Owner Notification Date : DEC 02, 2019 - DEC 06, 2019

* NR - Not Reported