

Part 573 Safety Recall Report

20V-635

Manufacturer Name : Ford Motor Company**Submission Date :** OCT 15, 2020**NHTSA Recall No. :** 20V-635**Manufacturer Recall No. :** 20S59**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 : 689

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Ford Escape

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The Body Control Module (BCM) radio frequency (RF) receiver intermittently may not pick up the signal from the rear tire pressure monitor system (TPMS) sensors or the Remote Key Fob in Escape vehicles.

Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing the BCM production to the vehicle in which the RF receiver is installed.

Affected vehicles are equipped with a keyed (i.e. not push button) start.

689 vehicles are affected.

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 26, 2020 - AUG 14, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : The TPMS has an intermittent RF hit rate from the rear wheels to the internal receiver located in the BCM.

With the intermittent RF reception hit rate, the BCM may function in a reduced capacity, and the RF reception may intermittently fail.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A BCM working in a reduced capacity may not adequately warn a driver of low air pressure in the rear tires. Low tire pressure may lead to poor vehicle handling and a possible loss of vehicle control, increasing the risk of crash.

Description of the Cause : The supplier mis-oriented a polarity sensitive "saw" filter in the BCM. The mis-orientation attenuated the RF reception capability of the BCM, leading to a reduced ability to receive signals from the most distant (rear) wheels.

Identification of Any Warning that can Occur : A TPMS malfunction indicator lamp will illuminate in the instrument cluster when the TPMS signal from the rear tires is not received during a continuous 18 minute period.

Involved Components :

Component Name 1 : BCM

Component Description : Body Control Module

Component Part Number : LX6T 15604 FCF

Supplier Identification :**Component Manufacturer**

Name : Bosch

Address : AV ROBERT BOSCH 1150
CIUDAD JUAREZ CHIHUAHUA FOREIGN STATES 32557

Country : Mexico

Chronology :

On July 31, 2020, the Louisville Assembly Plant (LAP) discovered that certain TPMS sensors that were showing to be configured at dynamic end of line testing were then failing at static end of line testing.

On August 4, 2020, LAP brought the topic into the Critical Concerns Research Group for review.

August – September 2020, Ford investigated the effect on vehicle operation and population.

On October 8, 2020, 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.

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 their BCM 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 BCM contains the Q9000 filter in the proper orientation.

Identify How/When Recall Condition was Corrected in Production : On August 1, 2020, the supplier discovered the mis-oriented filter and corrected it for the start of production on August 3, 2020.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on October 15, 2020. Mailing of owner notification letters is expected to begin November 23, 2020 and is expected to be completed by November 27, 2020.

Planned Dealer Notification Date : OCT 15, 2020 - OCT 15, 2020

Planned Owner Notification Date : NOV 23, 2020 - NOV 27, 2020

* NR - Not Reported