

Part 573 Safety Recall Report

22V-453

Manufacturer Name : Ford Motor Company**Submission Date :** JUN 27, 2022**NHTSA Recall No. :** 22V-453**Manufacturer Recall No. :** 22C15**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 : 2,666

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 Ford F-150 BEV (EBP)

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : The recalled part was introduced into production on 10/14/2021 and was taken out of production on 06/09/22.

Affected vehicles are equipped with a battery electric powertrain and with 20" or 22" all season tires.

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.

2666 F-150 vehicles are affected.

Production Dates : OCT 14, 2021 - JUN 09, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : The tire pressure monitoring system (TPMS) light may not illuminate when intended.

FMVSS 1 : 138 - Tire pressure monitoring systems

FMVSS 2 : NR

Description of the Safety Risk : The tire pressure monitoring system (TPMS) light may not illuminate when intended and may not be able to provide adequate warning of low tire

inflation pressure. Low tire inflation pressure may lead to poor vehicle handling and a possible loss of vehicle control, increasing the risk of crash.

Description of the Cause : The recommended tire cold inflation pressure value in the Body Control Module (BCM) was incorrectly set to 35 psi rather than the correct inflation pressure of 42 psi.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Body Control Module Software

Component Description : BEV Power Tailgate

Component Part Number : NL3T-14C636-LAH

Component Name 2 : Body Control Module Software

Component Description : BEV Base Tailgate

Component Part Number : NL3T-14C636-KAH

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : One American Road
Dearborn Michigan 48126

Country : United States

Chronology :

On June 14, 2022, an issue pertaining to the Tire Pressure Monitoring System (TPMS) warning light configuration was brought to Ford's Critical Concern Review Group for review. Ford's Engineering Team had discovered a discrepancy between the recommended tire cold inflation value displayed on the FordPass mobile app and the value displayed on the placard (TREAD) label on a F-150 battery electric vehicle.

Further investigation determined that the recommended tire cold inflation pressure value in the Body Control Module (BCM) was incorrectly set to 35 psi on F-150 battery electric vehicles equipped with 20" A/S or 22" A/S tires rather than the correct inflation pressure of 42 psi. FMVSS 138 S4.2 requires the TPMS telltale to

illuminate when the pressure is either less than or equal to 25% below the vehicle manufacturer's recommended cold inflation pressure. As a result, FMVSS 138 would require the TPMS light on vehicles equipped with a 20" A/S or 22" A/S tires to illuminate at approximately 32 psi (25% below the recommended 42 psi inflation pressure). Because the recommended tire pressure value stored in the BCM on these vehicles is incorrectly set at 35 psi, the TPMS light would not illuminate until the tire reached 28 psi. The recommended tire pressure information on the placard (TREAD) label as installed on these vehicles is correct.

On June 17, 2022, Ford's Field Review Committee reviewed the concern and approved a field action.

Ford is not aware of any customer reports related to improper TPMS low tire pressure function.

Description of Remedy :

Description of Remedy Program : The remedy for this program is a BCM software update. Ford is anticipated to begin the Ford Power-Up deployment to update the BCM software for affected vehicles in 30 days. Alternatively, owners will have the option to take their vehicle to a Ford or Lincoln dealer to complete the software update. Owners will be encouraged to ensure their tire pressure matches the pressure values provided on the placard located inside the drive-side front door jamb before having the software updated. There will be no charge for this service.

Ford provided the general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall in May 2021. The ending date for reimbursement eligibility is estimated to be August 1st, 2022.

Ford will forward a copy of the notification letters to dealers to the agency when available.

How Remedy Component Differs from Recalled Component : The BCM software (NL3T-14C636-LAH and NL3T-14C636-KAH) was corrected to match the pressure provided on the vehicle placard (TREAD) label.

Identify How/When Recall Condition was Corrected in Production : On June 9, 2022, the cold tire inflation configuration in the BCM was corrected match the pressure provided on the vehicle placard (TREAD) label.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on June 27, 2022. Mailing of owner notification letters is expected to begin July 11, 2022 and is expected to be completed by July 15, 2022.

Planned Dealer Notification Date : JUN 27, 2022 - JUN 27, 2022

Planned Owner Notification Date : JUL 11, 2022 - JUL 15, 2022

* NR - Not Reported