

Part 573 Safety Recall Report

24V-444

Manufacturer Name : Ford Motor Company**Submission Date :** JUN 14, 2024**NHTSA Recall No. :** 24V-444**Manufacturer Recall No. :** 24S37**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 : 552,188

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2014-2014 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Ford's team reviewed manufacturing records to determine the population of affected vehicles. The Ford process is capable of tracing Powertrain Control Module calibrations to the vehicle in which the calibrations are installed.

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.

552,188 2014 model year Ford F-150 vehicles are affected.

Production Dates : JUN 17, 2013 - DEC 23, 2014

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Some vehicles may experience an intermittent loss of the transmission Output Shaft Speed (OSS) sensor signal to the Powertrain Control Module (PCM), potentially resulting in a temporary, unintended downshift into first gear.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Depending on the vehicle speed at the time of an intermittent OSS failure, an abrupt transmission downshift to first gear could occur. A downshift to first gear without warning could result in a loss of vehicle control, increasing the

risk of a crash.

Description of the Cause : Ford has identified various causal factors of an intermittent OSS signal in this population of vehicles, including contamination, power short to ground, connector corrosion, connector pin swaging, and incorrect outputs from the OSS sensor.

Identification of Any Warning that can Occur : A downshift to first gear may illuminate a Malfunction Indicator Light (MIL). In some cases, the OSS signal could recover while driving and the vehicle will resume normal function; in other cases, the vehicle may need to be stopped and restarted to regain normal transmission operation.

Involved Components :

Component Name 1 : Powertrain Control Module

Component Description : Powertrain Control Module Calibration – MY2014

Component Part Number : CL3A-14C204-*

Component Name 2 : Powertrain Control Module

Component Description : Powertrain Control Module Calibration – MY2014

Component Part Number : DL3A-14C204-*

Component Name 3 : Powertrain Control Module

Component Description : Powertrain Control Module Calibration – MY2014

Component Part Number : EL3A-14C204-*

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : 1 American Road
Dearborn Michigan 48126

Country : United States

Chronology :

Chronology is provided as an attachment.

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 PCM calibration 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 2023. Owners who have paid to have these repairs completed at their own expense may be eligible for reimbursement, in accordance with the recall reimbursement plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : The updated PCM calibrations (CL3A-14C204-*, DL3A-14C204-*, EL3A-14C204-*) will include an OSS signal plausibility check to prevent unintended downshifts into first gear if an intermittent OSS fault occurs and illuminate the Malfunction Indicator Light (MIL) in the event of an intermittent OSS signal.

Identify How/When Recall Condition was Corrected in Production : Not required per 49 Part 573.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on June 17, 2024. Mailing of owner notification letters is expected to begin July 01, 2024, and is expected to be completed by July 05, 2024.

Planned Dealer Notification Date : JUN 17, 2024 - JUN 17, 2024

Planned Owner Notification Date : JUL 01, 2024 - JUL 05, 2024

* NR - Not Reported