

**Part 573 Safety Recall Report****16V-110****Manufacturer Name :** Ford Motor Company**Submission Date :** FEB 22, 2016**NHTSA Recall No. :** 16V-110**Manufacturer Recall No. :** 16S05**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 : 2,894

Estimated percentage with defect : 0

**Vehicle Information :**

Vehicle : 2016-2016 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : Certain 2016 Ford F-150 vehicles equipped with Multi-Contour Seats (MCS) built at Dearborn Assembly Plant.

Production Dates : APR 27, 2015 - NOV 22, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : An adult in the front passenger seat may incorrectly be classified as a child by the Occupant Classification System (OCS) when the seat massage feature is activated.

Ford is not aware of any reports of accidents or injuries related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An adult occupant in the front passenger seat may be incorrectly classified as a child, suppressing the frontal airbag and increasing the risk of injury in a crash.

Description of the Cause : The software developed for this seat design may not properly classify an adult occupant sitting in certain positions in the front passenger seat when the seat massage feature is activated.

Identification of Any Warning that can Occur : The Passenger Deactivation Indicator (PADI) light indicates the passenger airbag to be "off".

**Supplier Identification :****Component Manufacturer**

Name : Delphi

Address : Parque Industrial Reynosa Plt 6  
Reynosa Tamps FOREIGN STATES 88780

Country : Mexico

**Chronology :**

- November 2015: During development testing for a forward model F-Series program, an adult sitting in the front passenger seat with the optional MCS massage feature set to “on” was classified by the OCS as a child. A stop ship was issued to hold F-series trucks with MCS at Dearborn Truck Plant and Kansas City Assembly Plant.
- November 19, 2015: This topic was introduced to Ford’s Critical Concerns Review Group (CCRG) for review.
- November 2015 – January 2016: Testing was initiated to evaluate the potential effect on vehicles in the field. As part of these evaluations, physical testing was performed on F-150 vehicles with (20) of each of the following: 5% occupants, 50% occupants and 95% occupants. The testing showed that on the 2016 MY F-150 vehicles, the 50% occupants and the 95% occupants could exceed a software memory threshold in certain seating positions.
- February 2016: The engineering analysis of the test data indicated that a physical change to the seat foam and OCS bladder for the 2016 MY F-150 revealed a latent software overflow issue. Certain OCS conditions can cause integer overflow in the software that creates a numeric value that is too large to be represented within available storage space. When an adult passenger creates a certain OCS condition, the software may classify the adult as a child, thus the Passenger Deactivation Indicator (PADI) light indicates the passenger airbag to be “off.”
- On February 15, 2016, Ford’s Field Review Committee reviewed the concern and approved a field action.

**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 Occupant Classification System Module (OCSM) reprogrammed with new software. 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 : Not required per 49 Part 573.

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 February 22, 2016. Mailing of owner notification letters is expected to begin March 7, 2016, and is expected to be completed by March 11, 2016.

Planned Dealer Notification Date : FEB 22, 2016 - FEB 26, 2016

Planned Owner Notification Date : MAR 07, 2016 - MAR 11, 2016

\* NR - Not Reported