

Part 573 Safety Recall Report

18V-894

Manufacturer Name : Ford Motor Company**Submission Date :** DEC 18, 2018**NHTSA Recall No. :** 18V-894**Manufacturer Recall No. :** 18S45**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 : 410,289

Estimated percentage with defect : 6 %

Vehicle Information :

Vehicle 1 : 2015-2019 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : NR

Descriptive Information : This condition affects F-150 vehicles equipped with engine block heaters.

Vehicles produced before March 18, 2014, include block heater cables with different underhood packaging, routing and splice connector orientation from those included in this action. On November 17, 2018, updated engine block heater cables with grease applied to the splice connector were implemented into production.

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.

F-150's potentially affected: 179,873

Production Dates : MAR 18, 2014 - NOV 17, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2019 Ford F-Super Duty

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : GAS

Descriptive Information : This condition affects F-Super Duty vehicles equipped with 6.2L or 6.8L gasoline engines and engine block heaters.

Vehicles produced before October 8, 2015, include block heater cables with different underhood package, routing and splice connector orientation from included in this

action. On November 17, 2018, updated engine block heater cables with grease applied to the splice connector were implemented into production.

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.

F-Super Duty's with gasoline engines potentially affected: 64,439

Production Dates : OCT 08, 2015 - NOV 17, 2018

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 3 : 2017-2019 Ford F-Super Duty

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : DIESEL

Descriptive Information : This condition affects F-Super Duty vehicles equipped with 6.7L diesel engines and engine block heaters.

Vehicles produced before October 8, 2015, include block heater cables with different underhood package, routing and splice connector orientation from those included in this action. Vehicles produced after October 24, 2017 include block heater cables with grease applied to the engine block heater splice connector and/or revised underhood routing and connector orientation.

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.

F-Super Duty's with diesel engines potentially affected: 165,977

Production Dates : OCT 08, 2015 - OCT 24, 2017

VIN Range 1 : Begin : NR End : NR Not sequential

Description of Defect :

Description of the Defect : For vehicles equipped with an engine block heater, water and corrosive contaminant intrusion into the block heater cable's splice connector could cause corrosion and damage to the connector. Prolonged corrosion in the cable splice connector can cause a resistive short, inoperative engine block heater, and/or tripping of household breakers or GFCI equipped outlets while the vehicle is parked and the block heater is plugged in.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The risk to safety only exists while the vehicle is parked and the block heater cable is plugged into an electrical outlet. A resistive short in the engine block heater splice connector can increase the risk of overheated or melted wiring and fire.

Description of the Cause : The following combination of factors make the engine block heater cable installation in the included vehicles more susceptible to moisture accumulation: a female connector angled upwards at a 45 degree (or greater) angle, a low mounting position in the vehicle, and an unshielded or exposed mounting location. Vehicles operated in environments that contain corrosive contaminants such as road de-icing salt, over time, are more susceptible to corrosion of the splice connector's terminals. Prolonged corrosion of the terminals can cause a resistive short in the splice connector.

Identification of Any Warning that can Occur : The block heater may become inoperative, the household breaker or outlet GFCI may trip, the user may hear buzzing or sizzling noise, or observe smoke and/or sparks when the cable is plugged into a wall outlet.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

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 block heater cable inspected and replaced if damaged or corroded. If there are no signs of damage or corrosion, the dealers will pack the terminal connector with Motorcraft dielectric grease and reconnect. If a replacement cable is required but unavailable, the customer will receive an information sheet and will be notified via mail for a follow-up appointment once parts become available. 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 December 2018. The ending date for reimbursement eligibility is December 31, 2019.

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

How Remedy Component Differs from Recalled Component : Vehicles manufactured after the affected vehicle date have either grease applied to the engine block heater cable splice connector or have a rerouted engine block heater cable.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on December 20, 2018. Mailing of owner notification letters is expected to begin January 7, 2019 and is expected to be completed by January 11, 2019.

Planned Dealer Notification Date : DEC 20, 2018 - DEC 20, 2018

Planned Owner Notification Date : JAN 07, 2019 - JAN 11, 2019

* NR - Not Reported