

Part 573 Safety Recall Report

18V-389

Manufacturer Name : Ford Motor Company**Submission Date :** JUN 11, 2018**NHTSA Recall No. :** 18V-389**Manufacturer Recall No. :** 18S19**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 : 1,474

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 Ford F650

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : This condition affects certain F650 / F750 vehicles equipped with hydraulic brake hoses manufactured within the specified time periods. Ford reviewed supplier process and maintenance records to determine the population of affected parts.

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 : JAN 26, 2018 - MAR 13, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2018 Ford F750

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : This condition affects certain F650 / F750 vehicles equipped with hydraulic brake hoses manufactured within the specified time periods. Ford reviewed supplier process and maintenance records to determine the population of affected parts.

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 : JAN 26, 2018 - MAR 13, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : On the affected vehicles, some primary and/or secondary brake circuit hose assemblies located between the master cylinder and the hydraulic control unit may not have the specified anti-corrosion plating on the metal ferrules.

Ford is not aware of any reports of accident or injury related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Lack of anti-corrosion plating can lead to premature corrosion of the brake hose ferrules. This can subsequently result in brake fluid leakage, and reduced brake function, increasing the risk of a crash.

Description of the Cause : Inadequate supplier process control, and lack of a plating verification inspection, allowed unplated ferrules to be used for final hose assembly.

Identification of Any Warning that can Occur : Brake fluid leakage may be visually observed, and the "BRAKE" malfunction icon may illuminate on the instrument panel.

Supplier Identification :**Component Manufacturer**

Name : Martinrea Internacional de Mexico S.A de

Address : Carretera Antigua a Arteaga #2653 Coloni
Saltillo FOREIGN STATES 25298

Country : Mexico

Chronology :

March 2018: An issue concerning missing anti-corrosion plating on brake hose assembly ferrules was brought to Ford's Critical Concern Review Group (CCRG) for review. The brake hose assembly supplier notified Ford of a missed manufacturing process which resulted in shipment of brake hose assemblies without the specified anti-corrosion plating on the metal ferrules to Ford's Ohio Assembly Plant.

The supplier informed Ford that their empirical data indicated approximately 50% of metal thickness may be lost within 4.5 years of field exposure. Ford Engineering's initial assessment was that the supplier's field data was not specific regarding exposure level in Ford vehicle applications and a further assessment to determine severity and driver detectability was initiated.

April - May 2018: Ford Engineering and the supplier continued their evaluations of this issue specific to Ford

vehicles. Ford and supplier engineering assessments were that an increased risk of ferrule clamp relaxation exists.

On June 4, 2018, 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 both potentially affected brake hose assemblies replaced with parts that contain properly plated ferrules. 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 components contain ferrules with anti-corrosion plating.

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on June 12, 2018. Mailing of owner notification letters is expected to begin July 9, 2018 and is expected to be completed by July 13, 2018.

Planned Dealer Notification Date : JUN 12, 2018 - JUN 12, 2018

Planned Owner Notification Date : JUL 09, 2018 - JUL 13, 2018

* NR - Not Reported