

Part 573 Safety Recall Report

17V-768

Manufacturer Name : Ford Motor Company**Submission Date :** NOV 29, 2017**NHTSA Recall No. :** 17V-768**Manufacturer Recall No. :** 17S41**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 : 390

Estimated percentage with defect : 40 %

Vehicle Information :

Vehicle 1 : 2017-2017 Ford Motorhome Stripped Chassis

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : Affected vehicles are equipped with suspect Antilocking Brake System (ABS) control modules. Ford's team reviewed supplier process records to determine the population of affected parts. The Ford process is not capable of tracing ABS control module production to the vehicle in which the ABS control module is 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.

Production Dates : NOV 10, 2016 - NOV 17, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2017 Ford Commercial Stripped Chassis

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : Affected vehicles are equipped with suspect Antilocking Brake System (ABS) control modules. Ford's team reviewed supplier process records to determine the population of affected parts. The Ford process is not capable of tracing ABS control module production to the vehicle in which the ABS control module is 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.

Production Dates : NOV 10, 2016 - NOV 17, 2016

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Certain 2017 MY Motorhome and Commercial Stripped Chassis incomplete vehicles equipped with an Antilock Brake Systems (ABS) may have brake Hydraulic Electronic Control Units (HECU) that are missing valve block ball plugs. The HECU may leak brake fluid or ingest air during Electronic Brake Distribution (EBD) and/or ABS activation. The amount of fluid that leaks is dependent on the number and duration of EBD and ABS events that occur. Air ingestion may result in unexpected increased brake pedal travel. Sufficient loss of brake fluid during ABS or EBD events may result in increased pedal travel and/or increased stopping distance, and may be accompanied by a brake warning light on the instrument cluster.

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

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Air ingestion into the HECU may result in unexpected increased brake pedal travel. Sufficient loss of brake fluid during ABS or EBD events may result in increased pedal travel and/or increased stopping distance. These conditions may increase the risk of a crash.

Description of the Cause : The supplier mistakenly shipped a pallet of ABS control modules that had not completed the assembly process.

Identification of Any Warning that can Occur : Sufficient loss of brake fluid may be accompanied by a brake warning light in the instrument cluster.

Supplier Identification :

Component Manufacturer

Name : Robert Bosch GMBH

Address : Robert Bosch-STR 1

Immenstadt FOREIGN STATES 87509

Country : Germany

Chronology :

November 2017: A report from a commercial chassis fleet customer of brake fluid leaking from the Antilock Braking System Hydraulic Electronic Control Unit (HECU) was brought to Ford's Critical Concern Group (CCRG) for review. The customer reported that during routine maintenance they found evidence of brake fluid leaking from the HECU caused by a missing valve block ball plug. Further inspection of their fleet found additional vehicles with a similar condition. Supplier review of manufacturing process records found that a pallet of incomplete HECUs without all valve block ball plugs installed was mistakenly labelled as complete, and subsequently shipped to Ford. Ford's investigation confirmed that HECUs missing valve block ball plugs may experience brake fluid leakage during Electronic Brake Distribution (EBD) or Antilock Braking System (ABS) activation.

On November 20, 2017 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 HECU inspected for missing valve block ball plugs. An HECU with missing plugs will be replaced. 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 component will have all required valve block ball plugs installed.

Identify How/When Recall Condition was Corrected in Production : The supplier reviewed production records to verify only one pallet of ABS control modules were shipped to Ford without completing the assembly process. As of November 16, 2017, the supplier revised its material handling process to ensure parts cannot be shipped unless they have completed all assembly operations.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on November 30, 2017. Mailing of owner notification letters is expected to begin January 22, 2018 and is expected to be completed by January 26, 2018.

Planned Dealer Notification Date : NOV 30, 2017 - NOV 30, 2017

Planned Owner Notification Date : JAN 22, 2018 - JAN 26, 2018

* NR - Not Reported