

Part 573 Safety Recall Report

19V-904

Manufacturer Name : Ford Motor Company**Submission Date :** DEC 18, 2019**NHTSA Recall No. :** 19V-904**Manufacturer Recall No. :** 19S54**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 : 600,166

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2006-2010 Ford Fusion

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford's team reviewed the supplier process to determine the population of affected parts. Ford engineering can identify specific ABS Module design levels and their associated start and end dates in production. The population has been defined using the introduction of CCI DOT 3 (WSS-M6C62-A) into production at Ford's Hermosillo Assembly Plant, along with Seiko zinc-plated armatures from Continental.

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 : FEB 22, 2006 - JUL 15, 2009

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2006-2010 Mercury Milan

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford's team reviewed the supplier process to determine the population of affected parts. Ford engineering can identify specific ABS Module design levels and their associated start and end dates in production. The population has been defined using the introduction of CCI DOT 3 (WSS-M6C62-A) into production at Ford's Hermosillo Assembly Plant, along with Seiko zinc-plated armatures from Continental.

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 : FEB 22, 2006 - JUL 15, 2009

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2006-2010 Lincoln Zephyr/MKZ

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford's team reviewed the supplier process to determine the population of affected parts. Ford engineering can identify specific ABS Module design levels and their associated start and end dates in production. The population has been defined using the introduction of CCI DOT 3 (WSS-M6C62-A) into production at Ford's Hermosillo Assembly Plant, along with Seiko zinc-plated armatures from Continental.

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 : FEB 22, 2006 - JUL 15, 2009

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : In some of the affected vehicles, a normally closed valve inside the hydraulic control unit (HCU) may be stuck open, which may result in extended brake pedal travel.

Ford's engineering analysis showed that while customers driving vehicles with ABS systems that include stuck-open normally closed valves may experience a longer brake pedal travel, the condition does not result in a loss of braking function or loss of vehicle control, and the vehicles can be safely brought to a controlled stop.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A stuck-open valve inside the HCU may result in extended brake pedal travel potentially increasing the risk of a crash.

Description of the Cause : Zinc plating used to prevent rust on the normally-closed ABS HCU valve armatures can react with aged DOT 3 brake fluid. Over time, this chemical reaction can result in the formation of a zinc carboxylate gel in the bore of the valve cylinder that may cause the normally-closed valves to either respond slowly, or, at times remain open or partially open after an ABS activation event.

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : Continental Automotive Systems North Ame
Address : 1 Continental Drive
Auburn Hills MICHIGAN 48326
Country : United States

Chronology :

See 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 for an inspection of their ABS module assembly. There will be no charge for this service.

Dealers will inspect the Hydraulic Control Unit (HCU) using the dealership's Integrated Diagnostic System (IDS) tool for signs of stuck or slow responding HCU valves. If the HCU does not exhibit signs of stuck or slow responding valves, the system will be pressure flushed with DOT 4 brake fluid. If the HCU does exhibit signs of a stuck or slow responding valve, the HCU will be replaced and the system will be pressure flushed with DOT 4 brake fluid. Dealers will also replace the DOT 3 reservoir cap with a new DOT 4 cap.

Ford provided the general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall in February 20, 2019. The ending date for reimbursement eligibility is April 17, 2020.

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

How Remedy Component Differs from Recalled Component : The replacement HCU will have valve armatures which are not zinc-plated. All vehicles will receive a brake fluid flush and a brake fluid replacement with DOT 4 brake fluid.

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on December 19, 2019. Mailing of owner notification letters is expected to begin January 13, 2020 and is expected to be completed by January 17, 2020.

Planned Dealer Notification Date : DEC 19, 2019 - DEC 19, 2019

Planned Owner Notification Date : JAN 13, 2020 - JAN 17, 2020

* NR - Not Reported