

**Part 573 Safety Recall Report****14V-526****Manufacturer Name :** Ford Motor Company**Submission Date :** SEP 02,2014**NHTSA Recall No. :** 14V-526**Manufacturer Recall No. :** 14S19**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 : 70,209

Estimated percentage with defect : NR

**Vehicle Information :**

Vehicle : 2005-2008 Ford Escape

Vehicle Type :

Body Style : ALL

Power Train : HYBRID ELECTRIC

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

Descriptive Information : obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Not sequential Vins (website will not allow box below to be checked).

Production Dates : OCT 13, 2003 - JUN 20, 2008

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2006-2008 Mercury Mariner

Vehicle Type :

Body Style : ALL

Power Train : HYBRID ELECTRIC

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

Descriptive Information : obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Not sequential Vins (website will not allow box below to be checked).

Production Dates : JUN 10, 2005 - JUN 20, 2008

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : In some of the affected vehicles, the original Motor Electronics Coolant (MEC) Pump may wear out and fail, resulting in a high temperature condition within the motor electronics system. This would invoke a Failure Mode Effects Management (FMEM) strategy that can result in a sudden partial or full loss of motive power in order to protect the vehicle powertrain. After a sufficient cool-down time, the vehicle will restart.

Description of the Safety Risk : Ford is not aware of any reports of accident or injury related to this condition. The vehicle may experience a sudden partial or full loss of motive power while driving caused by the FMEM strategy during a high temperature condition within the electronics cooling system. If this occurs, the vehicle's braking and steering systems will continue to operate normally. However, this condition can result in a sudden stall-like condition while driving. An engine stall without warning while driving may increase the risk of a crash.

Description of the Cause : Supplier quality issues have resulted in some of the MEC pumps being built with motor brushes that experience a high wear rate. Brushes that wear prematurely may eventually result in a loss of pump function.

Identification of Any Warning that can Occur : A partial or full loss of motive power is accompanied by audible and visual indicators in the instrument cluster.

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

Name : Robert Bosch LLC

Address : 15000 North Haggerty Road  
Plymouth MI 48170

Country : US

**Chronology :**

April 2014: Ford identified reports related to driveability issues, instrument cluster messages instructing the driver to stop the vehicle, and loss of power.

May 2014: This issue was opened in Ford's Critical Concern Review Group (CCRG) for analysis.

June – August 2014: Ford continued to review field data to understand the cause of the driveability and loss of power reports. It was found that variability in the material used for brushes inside the Motor Electronics Coolant Pump could result in an elevated and increasing rate of pump failure. It was found that certain pumps containing the potentially suspect brushes could fail prematurely after many years in service.

On August 25, 2014, 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(s) to a Ford or Lincoln dealer to have the Motor Electronics Coolant Pump inspected. If the original equipment pump is found, it will be replaced with an improved brushless pump. If the pump has already been replaced in service with the brushless pump, no additional repair is required. There will be no charge to owners for this service.

Ford's general reimbursement plan for the cost of remedies paid for by vehicle owners prior to notification of a safety recall was provided to the Agency on February 20, 2013.

The ending date for reimbursement eligibility for the cost of remedies paid for by vehicle owners per Ford's general reimbursement plan is April 30, 2015.

How Remedy Component Differs from Recalled Component : The replacement pump is a brushless motor design.

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

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : SEP 02, 2014 - SEP 02, 2014

Planned Owner Notification Date : OCT 27, 2014 - OCT 27, 2014

\* NR - Not Reported