

**Part 573 Safety Recall Report****14V-552****Manufacturer Name :** Mazda North American Operations**Submission Date :** SEP 09,2014**NHTSA Recall No. :** 14V-552**Manufacturer Recall No. :** 7814I**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 46976 Magellan Drive

Wixom MI 48393

Company phone : 248-295-7859

**Population :**

Number of potentially involved : 423

Estimated percentage with defect : 0

**Vehicle Information :**

Vehicle : 2008-2008 Mazda Tribute Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Vehicles potentially affected are certain 2008 model year Mazda Tribute Hybrid vehicles built at Ford Motor Kansas City Assembly Plant from October 10, 2006,

Descriptive Information : thru May 23, 2008.

423 vehicles in the United States are potentially affected.

Production Dates : OCT 10, 2006 - MAY 23, 2008

**VIN (Vehicle Identification Number) Range**

Begin : 4F2CZ49H68KM00017

End : 4F2CZ49H18KM32146

 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 : Mazda is not aware of any reports of any 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 operating 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 :**

On June 24, 2014; Mazda was informed of Ford's investigation on the MEC pumps.

On August 15, 2014; Mazda received the information that the MEC pump's concerns were increasing and Ford was confirming vehicle's movement when fail-safe system operated.

On August 26, 2014; Mazda was informed that Ford had decided to conduct a field action for this concern on certain 2005-2008 model year Escape Hybrid vehicles.

On August 28, 2014, Mazda also decided to conduct a field action on 2008 model year Tribute Hybrid vehicles, because there is possibility that same issue may occurs on Tribute Hybrid Vehicle and a safety risk may exist. Also, 2008 model year Mazda Tribute Vehicle is the only model year that these vehicles were produced and offered for sale.

**Description of Remedy :**

Description of Remedy Program : Owners of record will be notified of this issue and instructed to take their vehicles to a Mazda 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. The inspection/repair will be performed free of charge to the vehicle owners.

A copy of the reimbursement application form to be sent to owners and dealers as an attachment to the owner notification letter will be submitted when it is available. With respect to reimbursement, customers will be reimbursed based on the submission of a receipt indicating the amount paid by the customer to remedy this problem.

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 : Dealers will be notified of the voluntary recall by October 31, 2014.  
The mailing of owner notification letters by first class mail will begin in early October, 2014.

Planned Dealer Notification Date : OCT 31, 2014 - OCT 31, 2014

Planned Owner Notification Date : NOV 03, 2014 - NOV 03, 2014

\* NR - Not Reported