

**Part 573 Safety Recall Report****15V-337****Manufacturer Name :** Mitsubishi Motors North America, Inc.**Submission Date :** JUN 25,2015**NHTSA Recall No. :** 15V-337**Manufacturer Recall No. :** SR-15-004**Manufacturer Information :**

Manufacturer Name : Mitsubishi Motors North America, Inc.

Address : 6400 Katella Avenue

Cypress CA 90630

Company phone : 714-372-6000

**Population :**

Number of potentially involved : 74,836

Estimated percentage with defect : 0

**Vehicle Information :**

Vehicle : 2006-2009 Mitsubishi Eclipse

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Only vehicles manufactured within the specified production dates are potentially affected by this recall.

Production Dates : APR 20, 2005 - FEB 13, 2009

**VIN (Vehicle Identification Number) Range**

Begin : 4A3AK24F16E000204

End : 4A3AK24F99E043581

 Not sequential VINs

Vehicle : 2007-2009 Mitsubishi Eclipse Spyder

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Only vehicles manufactured within the specified production dates are potentially affected by this recall.

Production Dates : DEC 23, 2005 - FEB 13, 2009

**VIN (Vehicle Identification Number) Range**

Begin : 4A3AL25F97E000500

End : 4A3AL25FX9E043584

 Not sequential VINs**Description of Defect :**

Description of the Defect : In the ABS hydraulic unit for the affected vehicles, potential corrosion may occur over time due to a reaction between the brake fluid and the surface treatment of the internal valves. If this occurs and the ABS hydraulic unit is activated, one or more of

the valves may seize at some position. If one or more of the valves were to seize, the brake pedal stroke will increase and braking performance may be reduced.

FMVSS 1 :NR

FMVSS 2 :NR

Description of the Safety Risk : In the event one or more of the internal valves were to seize after activation of the ABS hydraulic unit, an increase in brake pedal stroke and a reduction in braking performance could increase the risk of a crash.

Description of the Cause : An inappropriate matching between the brake fluid and the surface treatment (zincing) of the internal valves may cause corrosion to form over time on the valves, causing one or more of the valves to seize during operation of the ABS hydraulic unit.

Identification of Any Warning that can Occur : None

#### **Supplier Identification :**

##### **Component Manufacturer**

Name : Continental Automotive Systems, Inc.

Address : One Continental Drive

Auburn Hills MICHIGAN 48326

Country : United States

#### **Chronology :**

August 2011, MMC received a complaint from the field regarding long brake pedal stroke. MMC began an investigation.

From September 2011 - February 2012, as a result of its investigation, MMC found corrosion on the internal valves of the ABS hydraulic unit caused by reaction with the brake fluid. Using actual vehicle testing, MMC confirmed that braking performance and function, should this corrosion condition occur, would not be a safety risk in a sudden braking situation because braking performance (stopping distance and yaw control) was found to be equivalent to or better than the performance of the vehicle without ABS. MMC also confirmed that it had received only one field report for this condition. Consequently, MMC decided to monitor the field situation.

From March 2012 - July 2014, MMC confirmed through field reports and warranty claims that there was no significant increasing trend involving this occurrence and that it had not received any information regarding accident or injury in the field resulting from this condition. MMC also confirmed that its safety risk evaluation for this condition had not changed since February 2012. In an abundance of caution, however, starting June 2012 for the production of future service parts, MMC changed the surface treatment on the internal valves of the ABS hydraulic unit to reduce any potential for corrosion.

From August 2014 - March 2015, in response to information from MMNA regarding increasing shipments of service parts, MMC again investigated this issue including an analysis of potential future parts demand given the incoming information regarding service parts consumption.

On May 18, 2015, given the results of its further analysis, the anticipated continued demand for service parts, and in order to assure the continued long term performance of the subject ABS hydraulic unit, MMC decided to conduct a recall and informed MMNA to proceed with a recall. MMC has not received any claims of injury relating to this condition.

**Description of Remedy :**

Description of Remedy Program : Owners of all affected vehicles will be notified and encouraged to bring in their vehicles for inspection. The ABS hydraulic unit will be flushed and cleaned using high grade brake fluid (DOT4). The current brake fluid (DOT3) will then be changed permanently to high grade brake fluid (DOT4). The following actions will be taken to remind the vehicle owner and/or service technician that high grade brake fluid (DOT4) is required: 1) an appropriate warning label applied in the engine room, 2) a correction label applied to the owner's manual, and 3) removal of the embossed characters "DOT3" from the brake reservoir cap. During flushing and cleaning of the ABS hydraulic unit, if inside valve movement is determined to be poor, the ABS hydraulic unit will be replaced with a new one at no charge to the customer. Owners seeking reimbursement for any expenses associated with this recall will be directed in the notification letter to contact the Mitsubishi Customer Relations Department for instructions on how to apply for a refund.

How Remedy Component Differs from Recalled Component : NR

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

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : JUL 14, 2015 - JUL 14, 2015

Planned Owner Notification Date : JUL 21, 2015 - JUL 21, 2015

\* NR - Not Reported