

Part 573 Safety Recall Report**15V-587****Manufacturer Name :** Suzuki Motor of America, Inc.**Submission Date :** SEP 18,2015**NHTSA Recall No. :** 15V-587**Manufacturer Recall No. :** VS**Manufacturer Information :**

Manufacturer Name : Suzuki Motor of America, Inc.

Address : 3251 East Imperial Highway

Brea CA 92821-6795

Company phone : 714-996-7040

Population :

Number of potentially involved : 18,673

Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2012-2013 Suzuki SX4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : 2012 model year vehicles produced before 09/03/2011 are not included. All 2013 model year vehicles are included.

Production Dates : SEP 03, 2011 - APR 05, 2013

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

☐ Not sequential VINs**Description of Defect :**

Description of the Defect : After a long period of vehicle non-operation (such as overnight parking) in a very cold environment, if the engine speed is gradually increased with the steering wheel turned fully to the right or left, the power steering oil temperature increases rapidly. The oil flow control valve (spool valve), which moves as oil pressure increases to relieve the oil pressure when it becomes too high, heats up more quickly than the surrounding pump body due to its lower mass, and expands. Some power steering pumps were produced with clearance between the spool valve and surrounding pump body that is at the low end of the design specification range and may have inadequate performance under this condition, particularly when contamination is present. For these pumps, the spool valve may not move correctly to relieve the oil pressure when it becomes too high. If the spool valve cannot properly relieve the oil pressure, the oil pressure can exceed the maximum design pressure and the pump side plate can deform to the extent that it contacts the pump rotor, causing seizure of the pump. Attached is an illustration showing the power steering pump and pump mechanism.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the power steering pump seizes, the pump system cannot supply sufficient oil pressure to the steering gear to provide steering assist. This condition will require the driver to use increased steering effort, increasing the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Hitachi Automotive Systems Steering, Ltd

Address : 25-10 Miyako Namekawa-cho

Hiki-gun, Saitama prefecture, 355-0812 FOREIGN STATES

Country : Japan

Chronology :

The chronology is attached as a separate document.

Description of Remedy :

Description of Remedy Program : Suzuki Service Providers will replace the power steering pump with an improved part. Attached is a copy of Suzuki Motor of America Inc.'s plan for reimbursing owners who have paid for repairs to remedy the defect in advance of recall notification.

How Remedy Component Differs from Recalled Component : The remedy component was produced with a revised clearance specification range that provides increased clearance between the oil flow control valve and surrounding pump body.

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

Recall Schedule :

Description of Recall Schedule : The recall will be conducted by the following authorized Suzuki automobile distributors in the U.S.: Suzuki Motor of America, Inc. - continental U.S.; Servco Pacific, Inc. - Hawaii; Suzuki Del Caribe, Inc. - Puerto Rico.

Planned Dealer Notification Date : OCT 02, 2015 - OCT 02, 2015

Planned Owner Notification Date : OCT 09, 2015 - OCT 09, 2015

* NR - Not Reported