

# Part 573 Safety Recall Report

# 18V-804

**Manufacturer Name :** Suzuki Motor of America, Inc.

**Submission Date :** APR 26, 2019

**NHTSA Recall No. :** 18V-804

**Manufacturer Recall No. :** CZ



## 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 1 : 2012-2013 Suzuki SX4

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

**Descriptive Information :** The recall population was determined based on production records. 2012 model year vehicles produced before 9/3/2011 are not included (11,775 vehicles are included). All 2013 model year vehicles are included (6,898 vehicles are included). Supplier inspection data show that vehicles not included in the recall population were equipped with power steering pumps having spool valve/pump body and rotor/side plate clearances that were not at the low end of the specification range.

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

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

## Description of Defect :

**Description of the Defect :** Under cold start conditions in cold weather conditions, the power steering pump internal pressure may rise, resulting in seizure of the pump.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Seizure of the power steering pump can result in a sudden loss of steering assist, increasing the risk of a crash.

**Description of the Cause :** There are three factors that may contribute to the rotor and front and rear side plates inside the power steering pump coming in contact and causing seizure of the pump: (1) The rotor and front and rear side plate clearance measurement method used under the manufacturing process was inappropriate and may have resulted in the delivery of pumps with clearances under the minimum specified value, (2) The flatness variance of front and rear side plates was not controlled, resulting in some rotors being delivered with convex side plates

Identification of Any Warning  
that can Occur : NR

having low clearances, and (3) After a long period of parking under low ambient temperature, the temperature increase inside the pump resulting from the rapid increase of fluid temperature when the engine is started is much greater than the temperature increase of the power steering pump case. This temperature difference can cause convex-shape front and rear side plates to deform toward the rotor.

## Supplier Identification :

### Component Manufacturer

Name : Hitachi Automotive Systems Steering, Ltd  
Address : 2-2-1, Otemachi  
Chiyoda-ku, Tokyo, 100-0004 FOREIGN STATES  
Country : Japan

## Chronology :

The chronology of principal events is attached as a separate document.

## Description of Remedy :

Description of Remedy Program : Suzuki Service Providers will replace the power steering pump of affected vehicles with an improved pump. The improvements include use of a new measurement method for clearances between the rotor and front and rear side plates, control of the flatness of front and rear side plates, and a change in the clearances of the rotor and front and rear side plates to a proper value.

How Remedy Component Differs  
from Recalled Component : NR

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

## Recall Schedule :

Description of Recall Schedule : The notification schedule shown is a current estimate. Suzuki will provide notification of any schedule changes as necessary.

Planned Dealer Notification Date : JUL 05, 2019 - JUL 05, 2019

Planned Owner Notification Date : JUL 12, 2019 - JUL 12, 2019

\* NR - Not Reported