

**Part 573 Safety Recall Report****15V-022****Manufacturer Name :** Polaris Industries, Inc.**Submission Date :** JAN 16,2015**NHTSA Recall No. :** 15V-022**Manufacturer Recall No. :** SLI-15-02**Manufacturer Information :**

Manufacturer Name : Polaris Industries, Inc.

Address : 7290 Vikings Blvd E

Wyoming MN 55092

Company phone : 651-408-7579

**Population :**

Number of potentially involved : 1,896

Estimated percentage with defect : 30

**Vehicle Information :**

Vehicle : 2015-2015 SLINGSHOT™ SLINGSHOT™ SL (T15AAPFAAB, T15AAPFABB)

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The affected vehicles were identified based on manufacturing records. The VINs identified contain all of the potentially affected machines.

Production Dates : AUG 18, 2014 - JAN 10, 2015

**VIN (Vehicle Identification Number) Range**

Begin : 57XAAPFA8F5100084

End : 57XAAPFA0F5102427

 Not sequential VINs

Vehicle : 2015-2015 SLINGSHOT™ SLINGSHOT™ (T15AASFAAC, T15AASFABC)

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The affected vehicles were identified based on manufacturing records. The VINs identified contain all of the potentially affected machines.

Production Dates : AUG 26, 2014 - JAN 09, 2015

**VIN (Vehicle Identification Number) Range**

Begin : 57XAASFA5F5100157

End : 57XAASFA9F5102381

 Not sequential VINs**Description of Defect :**

Description of the Defect : In some vehicles, the upper pinion bearing for the steering rack assembly could fail unexpectedly. This could allow the pinion to move so that it no longer is engaged with the steering rack. The result of such a failure would be a loss of steering

Description of the Safety Risk : If the steering pinion gear is no longer engaged with the steering rack, a loss of

steering could result in a loss of control which would increase the risk of a crash

Description of the Cause : In some vehicles, the bearing elements for the upper pinion bearing in the steering rack assembly may not have been heat treated correctly. Bearings in this condition may not be able to withstand the high loads encountered during slow speed operation.

While the SLINGSHOT™ division of Polaris Industries Inc has determined that the bearings that have been inspected may have been improperly heat treated, the root cause has not been identified. The vendor processes for these bearings are suspect and other bearing suppliers are being sourced for the field repair and future production.

Identification of Any Warning that can Occur : None has been identified.

**Supplier Identification :**

**Component Manufacturer**

Name : Maval Manufacturing, Inc.

Address : 1555 Enterprise Parkway  
Twinsburg OHIO 44087

Country : United States

**Chronology :**

December 29, 2014

A field contact indicated that a consumer had lost steering while in the process of completing slow speed maneuvers. Those parts were requested to be sent to SLINGSHOT™.

The part was received on January 6, 2015 and disassembled for inspection.

January 6, 2015.

A vehicle in the SLINGSHOT™ division's control was discovered to have an abnormal steering condition (abnormal noise). Upon disassembly it was determined that the upper pinion bearing had failed.

The supplier was contacted and an investigation was began both at the supplier and at SLINGSHOT™.

December 30, 2014, through January 15, 2015.

Supplier inspections were conducted at the supplier for the bearing and the completed components.

Metallurgical analysis of the bearing for the unit in our possession found that there was evidence that could indicate a heat treat issue.

January 14, 2015

A third report was received. This one was from the field and the consumer indicated that he lost steering control while pulling into his garage. Those parts are coming back to SLINGSHOT™.

January 15, 2015

While information is still being gathered and investigations are ongoing, The SLINGSHOT™ division of Polaris Industries has decided that the best course of action was to conduct a safety recall.

**Description of Remedy :**

Description of Remedy Program : The SLINGSHOT™ division will release a service bulletin to SLINGSHOT™ dealers instructing them to replace the steering rack assembly on the identified machines.

SLINGSHOT™ will send a Safety Recall Letter to all consumers of record instructing them to present their machine to a SLINGSHOT™ dealer so that the steering rack assembly can be replaced at no cost to the consumer.

The following appears in the consumer notice:

If you have had this repair performed before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For more information regarding reimbursement please contact your SLINGSHOT™ dealer or the SLINGSHOT™ Consumer Service Department using the information above.

How Remedy Component Differs from Recalled Component : The remedy component will have a bearing sourced from a different vendor and it will have a new part number.

Identify How/When Recall Condition was Corrected in Production : All vehicles in our possession were placed on quality hold once it was determined

that a defect may exist in the steering rack assembly. Those machines will be reworked with the new part number component. All future production will use the new part number.

**Recall Schedule :**

Description of Recall Schedule : SLINGSHOT™ dealers to replace the steering rack assembly on affected machines in their inventory. Consumers with affected machines will be contacted by mail instructing them to present their machine to a SLINGSHOT™ dealer for a free replacement.

On January 16, 2015, the SLINGSHOT™ division of Polaris Industries Inc issued a stop sale to our dealers and a stop ride to our customers of record. This is to remain in place until the steering rack assembly is replaced on an identified vehicle.

Planned Dealer Notification Date : JAN 22, 2015 - JAN 22, 2015

Planned Owner Notification Date : JAN 26, 2015 - JAN 30, 2015

\* NR - Not Reported