

Part 573 Safety Recall Report

18V-531

Manufacturer Name : Polaris Industries, Inc.

Submission Date : AUG 15, 2018

NHTSA Recall No. : 18V-531

Manufacturer Recall No. : T-18-03



Manufacturer Information :

Manufacturer Name : Polaris Industries, Inc.

Address : 2100 Highway 55

Medina MN 55340

Company phone : 800-765-2747

Population :

Number of potentially involved : 10,658

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2017-2019 POLARIS SLINGSHOT S / SLINGSHOT SL / SLINGSHOT GT LE / SLINGSHOT SLR

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : All Polaris Slingshot units produced from Model Year 2017 through current production are affected. Previous model year Slingshot units were produced with a different vehicle frame, and therefore are not impacted.

Production Dates : MAR 15, 2016 - AUG 03, 2018

VIN Range 1 : Begin : 57XAARFA8H7114828 **End :** 57XAASFAXK8131199 Not sequential

Description of Defect :

Description of the Defect : In Model Year 2017 and later vehicles, in a significant lateral impact, the seatbelt retractor on the side opposite the impact may separate and fail to maintain the locking of the belt.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the seatbelt retractor separates and fails to maintain the locking of the belt, this may increase the risk of injury in a crash.

Description of the Cause : If the retractor is side-loaded it may become unable to retain the seatbelt.

Identification of Any Warning that can Occur : None

Supplier Identification :

Component Manufacturer

Name : JOYSON
Address : 2500 INNOVATION DRIVE
AUBURN HILLS MICHIGAN 48326
Country : United States

Chronology :

9/19/2017 – Polaris receives opening resume from NHTSA indicating the opening of a Preliminary Evaluation (PE17-005) in response to Vehicle Owners Questionnaire (VOQ) #10981465, relating to a Model Year 2015 Slingshot vehicle. Per the ODI resume, this PE was “opened to determine if a defect in the seatbelts installed on the subject vehicles allows [the seatbelts] to release and prevent [the seatbelts] from properly restraining the occupants during a crash.”

9/29/2017 – Polaris receives an Information Request (IR) from NHTSA

11/2017 – Polaris submits responses to the IR.

2/2018 – Pursuant to NHTSA’s requests, Polaris provides exemplar used retractor and additional information including the incident vehicle to NHTSA.

3/2018 – Pursuant to NHTSA’s request, Polaris provides exemplar new retractors to NHTSA.

4/2018 – NHTSA ODI indicates potential finding of defect based on testing conducted at VRTC that indicated a potential for the belt to translate out of the T-slot retention channel during a significant lateral-impact collision, resulting in the application of a lateral load to the retractor spool and potentially in the separation and failure of the retractor. Polaris technical staff meets with NHTSA to discuss the matter.

5/15/2018 – Polaris and NHTSA discuss pass/fail criteria for relevant testing and agree that, while the vehicle is not subject to FMVSS 214, the performance standards expressed in that provision will be used as reference to test the performance of the retractor during a side impact.

6-7/2018 – Polaris conducts collaborative dynamic testing using FMVSS 214 requirements as reference and reviews results with NHTSA

(continued in comments to NHTSA Staff)

Description of Remedy :

Description of Remedy Program : If you have had this procedure 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 obtaining reimbursement please contact the Polaris Consumer Service Department using the contact information above.

How Remedy Component Differs from Recalled Component : Addition of the energy management loops will provide secondary coverage against lateral loading into the retractor.

Part No: 2208021 - Energy Management Loop Kit

Identify How/When Recall Condition was Corrected in Production : Polaris will implement a running change in Q3 of 2018 by installing the Energy Management Loop Kit.

Recall Schedule :

Description of Recall Schedule : Upon approval, dealers and owner notification letters will be mailed no later than 60 days after submission of this report.
Planned Dealer Notification Date : AUG 16, 2018 - AUG 23, 2018
Planned Owner Notification Date : AUG 28, 2018 - AUG 31, 2018

* NR - Not Reported