

# Part 573 Safety Recall Report

# 18V-484

**Manufacturer Name :** Polaris Industries, Inc.

**Submission Date :** AUG 03, 2018

**NHTSA Recall No. :** 18V-484

**Manufacturer Recall No. :** L-18-02



## Manufacturer Information :

**Manufacturer Name :** Polaris Industries, Inc.

**Address :** 2100 Highway 55

Medina MN 55340

**Company phone :** 800-765-2747

## Population :

**Number of potentially involved :** 2,110

**Estimated percentage with defect :** 1 %

## Vehicle Information :

**Vehicle 1 :** 2016-2017 GEM E2 / E4 / E6 / ELXD

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** OTHER

**Power Train :** HYBRID ELECTRIC

**Descriptive Information :** 2016 and 2017 vehicles with the applicable part.

**Production Dates :** MAY 29, 2015 - MAR 09, 2017

**VIN Range 1 : Begin :** 52CG2AGA4G0012704 **End :** 52CG6AGAXH0016097  Not sequential

## Description of Defect :

**Description of the Defect :** The drive mode system can send an out-of-tolerance electrical signal to the vehicle controller, resulting in an incorrect drive direction selection. This failure may occur intermittently and does not occur in all drive mode selections. In some instances, this may result in an inoperative vehicle. In others, it may result in vehicle motion in an unintended direction.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the vehicle moves in an unintended direction, this may increase the risk of a crash or pose a risk to property or pedestrians.

**Description of the Cause :** Inspection of vehicles has indicated a variation in circuit resistance (increased) during the selection of the Forward Mode. Increased resistance in the circuit put the resultant system voltage into the range that is reserved for Reverse operation. Low wetting current through switch has also been identified as a contributing factor (electrical architecture).

**Identification of Any Warning that can Occur :** An audible back up alert beeper is activated and the reverse indicator is illuminated in the gauge panel when this occurs.

**Supplier Identification :****Component Manufacturer**

Name : NR  
Address : NR  
NR  
Country : NR

**Chronology :**

On 12/19/16, Polaris issued a safety bulletin regarding this issue under NHTSA recall 16V-884. This bulletin instructed dealers to replace the existing LH turn signal stalk with a new, more reliable rocker switch. Based on continued high warranty claim rates for this function, Polaris re-opened its investigation into the issue in spring of 2018. Based on that investigation, Polaris determined the existence of an obligation under Part 573 on 7/12/18.

**Description of Remedy :**

Description of Remedy Program : Polaris will issue a Safety Recall Bulletin to all Polaris dealers with instructions required to replace the existing analog system with a discrete system with separate inputs for each position (forward, neutral, reverse).

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 : The discrete system relies on separate inputs for each position (forward, neutral, reverse) rather than interpreting the resistance in one common signal to determine switch position.

Identify How/When Recall Condition was Corrected in Production : The discrete system was implemented in production on 3/9/17.

**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 : JUL 26, 2018 - JUL 27, 2018  
Planned Owner Notification Date : AUG 06, 2018 - AUG 08, 2018

\* NR - Not Reported