

# Part 573 Safety Recall Report

## 20V-103

**Manufacturer Name :** Terex South Dakota, Inc.**Submission Date :** JUN 12, 2020**NHTSA Recall No. :** 20V-103**Manufacturer Recall No. :** SN681**Manufacturer Information :****Manufacturer Name :** Terex South Dakota, Inc.**Address :** 500 Oakwood Road  
PO Box1050 Watertown SD 57201**Company phone :** 1-800-982-8975**Population :****Number of potentially involved :** 523**Estimated percentage with defect :** 100 %**Vehicle Information :****Vehicle 1 :** 2011-2020 Terex TM**Vehicle Type :** LOW VOLUME VEHICLES**Body Style :****Power Train :** NR**Descriptive Information :** The level sensor which signals the platform level has two limit switches in case of malfunction. The switches' mounting orientation is incorrect and will not limit the platform movement to 15 degrees out of level as designed.**Production Dates :** FEB 17, 2011 - MAY 12, 2020**VIN Range 1 : Begin :** NR**End :** NR☐ Not sequential**Description of Defect :****Description of the Defect :** The limit switch does not stop platform level if it goes beyond 15 degrees out of level. Which only happens when a malfunction occurs.**FMVSS 1 :** NR**FMVSS 2 :** NR**Description of the Safety Risk :** The limit switch is intended to stop movement in either direction in case of other system or operator issues. The platform could dump or tilt upward more than 15 degrees.**Description of the Cause :** The two limit switches were installed in the incorrect orientation.**Identification of Any Warning that can Occur :** The platform could continue leveling in either direction, more than 15 degrees out of level, after boom movement has stopped.**Involved Components :**

Component Name 1 : Tilt Control Assembly

Component Description : Assembly with 2 level switches, a level sensor, and wiring

Component Part Number : 611967

Component Name 2 : Tilt Control Box Assembly

Component Description : Enclosure box containing 2 level switches, a level sensor, and wiring

Component Part Number : 605610

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

The first report of an issue was August 27, 2019. The cause was determined to be a cable was damaged which caused the level system to malfunction and continue moving upward. The two occupants remained in the platform and were lowered without incident. Researching continued on the cause and it was determined the 15 degree limit switch was not assembled correctly. Subsequent testing in late November 2019 verified the that one switch was assembled incorrectly. The Vendor makes this subassembly, 611967, exclusively for TSD. They were contacted and the cause was verified as being incorrect since 2014. On 01/09/2020 the possible affected units were determined. On 2/3/2020 a second unit was reported with the platform occupants lowered without incident. A decision to recall was made on 2/14/2020. On 5/12/2020, it was discovered that the initial instructions did not resolve the issue. Further investigation revealed that the switches were in the wrong position in addition to one being upside down. This increased the number of machines that required correction after reviewing with the vendor.

## Description of Remedy :

Description of Remedy Program : The limit switches will be removed and reinstalled in the correct orientation and tested at no cost to the owner. It will take one hour to complete.

How Remedy Component Differs The remedied machine will have both limit switches with the wire coming

from Recalled Component : out of the switch above the mounting screw, the inner switch potting is away from the mounting plate, and switch marked A is the outer most switch.

Identify How/When Recall Condition was Corrected in Production : The vendor was contacted and all component stock was inspected. All units at TSD were corrected after 5/12/2020.

### Recall Schedule :

Description of Recall Schedule : The owner notification will begin by 4/3/2020

Planned Dealer Notification Date : JUN 17, 2020 - NR

Planned Owner Notification Date : JUN 25, 2020 - NR

\* NR - Not Reported