

Part 573 Safety Recall Report

22V-138

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : MAY 19, 2022

NHTSA Recall No. : 22V-138

Manufacturer Recall No. : SN708



Manufacturer Information :

Manufacturer Name : Terex South Dakota, Inc.

Address : 500 Oakwood Road
PO Box 1050 Watertown SD 57201

Company phone : 1-800-982-8975

Population :

Number of potentially involved : 17

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2021 Terex OM, Optima-HRX, TCX

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Terex model OM, Optima-HRX, and TCX aerial devices equipped with dual baskets with operator controls at each basket have been equipped with Emergency Stop controls that may not stop all boom functions. The population includes all aerial models built since June 1, 2016 that are equipped with dual baskets with operator controls at both baskets where the hydraulic plumbing will allow the controls in one basket to continue to function when the Emergency Stop is activated in the opposite basket. The requirement of the ANSI A92.2-2015 standard is that there must be an Emergency Stop at all boom positioning control stations that stops all upper control functions. There are 17 machines that do not meet this requirement.

Production Dates : JUN 27, 2016 - NOV 29, 2021

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : The upper control stations' Emergency Stop may not stop all upper control functions from both upper control stations.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The operator in the second platform may not be able to stop all boom functions using the Emergency Stop controls at the upper control stations which may increase the risk of injury. They will be able to counteract unintended movements.

Description of the Cause : Hydraulic circuit plumbing may allow the control station opposite the primary control station to still function when the Emergency Stop is actuated.

Identification of Any Warning : Operator is to conduct a daily inspection of all controls for proper operation, that can Occur : including Emergency Stop controls.

Involved Components :

Component Name 1 : Top Option Installation, Dual Platform

Component Description : Control station installation assembly

Component Part Number : 483395

Component Name 2 : Passenger Control Installation

Component Description : Control station installation assembly

Component Part Number : 612437

Component Name 3 : Passenger Control Installation

Component Description : Control station installation assembly

Component Part Number : 623324

Component Name 4 : Passenger Control Installation

Component Description : Control station installation assembly

Component Part Number : 624474

Component Name 5 : Passenger Control Installation

Component Description : Control station installation assembly

Component Part Number : 625210

Supplier Identification :

Component Manufacturer

Name : Terex South Dakota, Inc

Address : 3140 15th Ave SE

Watertown South Dakota 57201

Country : United States

Chronology :

The issue was first identified by a Terex team member on April 21, 2020 when testing an Optima-HRX aerial device. On May 19, 2020 the decision was made to research how the Emergency Stop functioned on other models of aerial devices with dual baskets. On September 1, 2020 the research into how the E-Stop functioned on other models was completed. On September 22, 2020 the research into a modified E-Stop for the Optima model began. On April 20, 2021 the research into a modified E-Stop for the Optima was completed. On June 1, 2021 research began to determine if the modified system could be retrofitted to older field units. Production changed to the modified E-Stop on December 1, 2021. On November 9, 2021 it was determined that an alternative method of modifying field units would be to use the Engine Stop/Start to stop all oil flow for the Emergency Stop. The Engine Stop/Start is already indicated in the Operator's Manual as an acceptable method of stopping machine function. Research and documentation of field retrofit kits for the Engine Stop/Start completed February 2, 2022. Even though there are no reports of issues, a decision to recall was made on March 3, 2022.

Description of Remedy :

Description of Remedy Program : The manufacturer will utilize the Engine Stop/Start control at both upper control stations as an Emergency Stop. If the machine isn't already equipped with Engine Stop/Start controls at both control stations, the required components will be added and Emergency Stop placards placed at the Engine Stop/Start controls at both upper control stations. This work will be done at no cost to the owner and take 3 hours to complete. If the Engine Stop/Start control was added to the upper control station by the owner prior to the release of the owner notification, Terex will reimburse the owner for the components and up to 3 hours of labor.

How Remedy Component Differs from Recalled Component : The remedied machine will have Emergency Stop placards at the Engine Stop/Start control at both upper control stations.

Identify How/When Recall Condition was Corrected in Production : For production units the hydraulic plumbing was changed so that when the Emergency Stop control was activated the upper controls are inactive from both control stations until the Emergency Stop is reset. This change went into effect December 1, 2021. The Operator's Manual will continue to list the Engine Stop/Start as a stop method.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by March 23rd. Owners will be notified by April 13th of alternate methods of stopping machine movement in case of an emergency. Emergency STOP placards for installation at the Engine Stop/Start controls and instructions for installation will be provided with

Planned Dealer Notification Date : MAR 23, 2022 - NR

Planned Owner Notification Date : APR 13, 2022 - NR

the owner notification. For machines requiring an Engine Stop/Start control to be added, parts will be provided to repair when available.

* NR - Not Reported