

Part 573 Safety Recall Report

20V-200

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : APR 07, 2020

NHTSA Recall No. : 20V-200

Manufacturer Recall No. : SN682



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 : 20

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Terex C4045, C4047, C5050, C7066

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Failure of the vehicle hood switch or opening of the vehicle hood may not allow the remote engine control at the digger control location to stop the truck engine.

Production Dates : SEP 07, 2018 - DEC 03, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Failure of the vehicle hood switch or opening of the hood disables the Digger Derrick remote engine start/stop function.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Disabling the remote engine start/stop prevents the digger derrick operator from shutting the engine off in case of hydraulic issues on the digger.

Description of the Cause : The hood switch is interlocked to the remote engine controls through the engine computer program. If the hood switch fails or indicates the hood is open the remote engine controls are disabled by the computer program.

Identification of Any Warning that can Occur : N/A

Involved Components :

Component Name 1 : Diamond Logic

Component Description : Truck manufacturer's computer logic program

Component Part Number : N/A

Supplier Identification :

Component Manufacturer

Name : Navistar, Inc

Address : 2701 Navistar Dr.

Lisle ILLINOIS 60532

Country : United States

Chronology :

On 11/22/2019 it was realized that on International (Navistar) trucks the remote engine start/stop would not function when the chassis hood was open. Investigation showed no issues with the Terex South Dakota installed components. Subsequent investigation tied the issue to the hood tilt switch and the chassis software programming. The vehicle computer is programmed by the truck manufacturer, International, to disable remote engine controls if the hood switch indicates the hood was open or if the switch failed. This causes the remote engine start/stop to be disabled and not operate. This would prevent the operation of the emergency stop if the hood switch has failed or the hood is open. The decision to perform a recall was made on March 30, 2020.

Description of Remedy :

Description of Remedy Program : The truck computer program will be reprogrammed to only disable the engine start function if the hood switch indicates it is open. The truck computer will be reprogrammed at any of the truck manufacturer's dealerships and the dealership will not charge the customer for this reprogramming.

How Remedy Component Differs from Recalled Component : No identifiable way except to test, change is in the engine computer programming.

Identify How/When Recall Condition was Corrected in Production : Production units were corrected on installed units starting on January 31st, 2020 with updated computer program from the truck manufacturer. Eight trucks have been corrected since January 31st.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by 4/17. Owners will be notified by 5/1 to take their truck to a truck dealership to have the computer program updated.

Planned Dealer Notification Date : APR 17, 2020 - NR

Planned Owner Notification Date : MAY 01, 2020 - NR

* NR - Not Reported