

Part 573 Safety Recall Report

17V-321

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : MAY 15, 2017

NHTSA Recall No. : 17V-321

Manufacturer Recall No. : SN659



Manufacturer Information :

Population :

Manufacturer Name : Terex South Dakota, Inc.

Number of potentially involved : 444

Address : 500 Oakwood Road

Estimated percentage with defect : 100 %

PO Box1050 Watertown SD 57201

Company phone : 1-800-982-8975

Vehicle Information :

Vehicle 1 : 2012-2017 Terex and others C4000, C5000, C6000, C7000, General, HR, OM, RM, RMX, SC, SCM, TC, TCX, TL, TM, XT

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : This series of vehicles are installed with Digger Derricks or Aerial Devices for utility line work when stationary.

Production Dates : JUN 21, 2012 - APR 28, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Failure of the vehicle hood switch disables the Aerial or Digger Derrick remote engine controls functions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Failure of the hood switch prevents the remote engine controls from shutting the engine off in case of hydraulic issues on the Aerial or Digger Derrick while the power take off (PTO) is engaged. It will not allow operation of the auxiliary power system to stow the booms or it may turn the auxiliary power on depending on the model.

Description of the Cause : The hood switch is interlocked to the auxiliary controls and the PTO. If the hood switch fails or indicates the hood is open the auxiliary controls are disabled by the computer program.

Identification of Any Warning that can Occur : None

Supplier Identification :**Component Manufacturer**

Name : Daimler Truck North America
Address : 2477 Deerfield Drive
Fort Mill SOUTH CAROLINA 29715
Country : United States

Chronology :

There have been sporadic cases of users having intermittent issues with the trucks going to idle state, the PTO turning off and then in some cases the engine shutting off after 5 minutes. The issue was reported to TSD in March 2017. Investigation showed no issues with the TSD installed components. Subsequent investigation tied the issue to the hood tilt switch and the programming when the PTO is engaged. The vehicle computer is programmed by the truck manufacturer, Freightliner, to shut down and disable auxiliary engine controls if the hood switch indicated the hood was open, or if the switch failed, while the PTO is on. This caused the auxiliary engine controls, hydraulic power source, and possibly the letdown power for the Aerial or Digger Derrick to be disabled and not operate. The decision to perform a recall was made on May 11, 2017.

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.

How Remedy Component Differs from Recalled Component : No identifiable way except to test change in the computer program.

Identify How/When Recall Condition was Corrected in Production : Production units were corrected on installed units starting on 5/1/2017.

Recall Schedule :

Description of Recall Schedule : Recall will begin when it has been approved by NHTSA.

Planned Dealer Notification Date : MAY 31, 2017 - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported