

**Part 573 Safety Recall Report****15V-271****Manufacturer Name :** PACCAR Incorporated**Submission Date :** JUN 15,2015**NHTSA Recall No. :** 15V-271**Manufacturer Recall No. :** 15KWF**Manufacturer Information :**

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST  
BELLEVUE WA 98004

Company phone : 999-999-9999

**Population :**

Number of potentially involved : 104,793

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2011-2016 Kenworth T270, T370, T440, T470, C500, C540, C550, T660, T800, W900 and 963

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The affected Kenworth population includes certain 2011, 2012, 2013, 2014, 2015,  
and 2016 model year T270/370, T440/470, T660, C500/540/550, T800, W900,  
and 963 chassis built between November 1, 2010 and April 7, 2015.

Production Dates : NOV 01, 2010 - APR 07, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**Description of the Defect : Water intrusion in the wiper motor head may lead to internal corrosion. The  
internal corrosion may form a conductive salt bridge that can create a short circuit.  
The defect has been observed to be more prevalent in regions of Canada and  
Northeast United States due to more severe weather and precipitation.Description of the Safety Risk : Internal corrosion may lead to progressive and/or potentially unexpected loss  
of windshield wiper functionality and then to a potential increased risk of fire.Description of the Cause : Defects in wiper motor assembly including: voids in potting material, poor potting  
material adhesion to wires and motor head case, and gasket shrinkage leading to  
compromised motor head seal.Identification of Any Warning that can Occur : When wipers are on intermittent setting, they may cease  
operating or functionality may be erratic.

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

Name : Commercial Vehicle Group - Sprague

Address : 527 West US Hwy 20

Michigan City MICHIGAN 46360

Country : United States

**Chronology :**

7/29/14 - Kenworth (KW) was notified of an incident in which the windshield wipers began un-commanded operation, followed shortly thereafter by smoke emanating from the engine compartment. The driver extinguished the fire.

8/1/14 - KW notified Safety & Compliance (S&C) of 2 more reports of fires potentially attributable to the wiper motor. KW electrical design engineering began investigating wiper motor failures.

12/8/14 - A dealer sent KW photo of a wiper motor with glowing red conductors and smoke discharging from the wiper head. The condition was observed in the course of performing unrelated repairs. A KW engineer inspected the chassis the next day and removed wiper motor assemblies from 5 sister trucks for further analysis.

12/12/14 - KW notified wiper motor supplier Commercial Vehicle Group (CVG) of issue.

1/15/15 - KW held a joint inspection with CVG. Using a CVG motor returned from the field, engineers replicated the smoking in a lab. Corrosion was observed on some of the wiper motors. Thereafter, CVG began investigating potential changes made by second tier supplier.

1/27/15 - CVG reported finding no production changes to which the issue could be attributed.

2/17/15 - KW and CVG conducted a joint field inspection trip. Of 20 trucks inspected, 14 showed signs of corrosion under the potting material.

3/17/15 - PACCAR identified 3 factors contributing to the water intrusion: voids in the potting material; poor potting material adhesion to the wires and to the motor head case; gasket shrinkage which compromises the integrity of the motor head seal.

3/24/15 - KW evaluated changes in vehicle design that would reduce contact with water runoff and ensure power is transmitted to wiper motor only when wiper switch is on.

4/21/15 - CVG supplied timeline for implementing improvements to the motor assembly itself.

4/30/15 - KW Product Safety Committee met and determined that defects in the CVG wiper motor related to motor vehicle safety.

**Description of Remedy :**

Description of Remedy Program : A remedy is in the process of being developed and tested.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : 4/7/2015 - Water shield and redesigned wiring harness were installed on vehicles in production

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported