

Part 573 Safety Recall Report**15V-511**

Manufacturer Name : Pierce Manufacturing
Submission Date : SEP 29,2015
NHTSA Recall No. : 15V-511
Manufacturer Recall No. : 74B264

**Manufacturer Information :**

Manufacturer Name : Pierce Manufacturing
 Address : 2600 American Drive
 P.O. BOX 2017 Appleton WI 54912-2017
 Company phone : 414-832-3000

Population :

Number of potentially involved : 12
 Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2014-2015 Pierce Velocity, Quantum
 Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
 Body Style : ALL
 Power Train : DIESEL
 Descriptive Information : Certain vehicles equipped with LED headlamp assemblies.
 Production Dates : FEB 10, 2014 - JAN 08, 2015

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Noncompliance :**

Description of the Noncompliance : The headlamps when operated in extreme cold temperature conditions, may not provide a steady illumination, but may flicker, in noncompliance to the requirement that all lamps must be steady burning.

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS 2 : NR

Description of the Safety Risk : The output of the headlamp may not be steady burning but flicker. It may distract or cause confusion to other drivers, or may not provide full illumination. There have been no notifications of complaints or crashes from the field.

Description of the Cause : Application of product exceeded product design for operation in cold temperature extremes and voltage levels.

Identification of Any Warning that can Occur : No warning prior to occurrence. Operator may notice flickering of lamps in some cases.

Supplier Identification :**Component Manufacturer**

Name : JW Speaker

Address : N120 W19434 Freistadt Rd.

PO Box 1011 Germantown WISCONSIN 53022

Country : United States

Chronology :

Jan15 - Pierce production notices issue with headlamps. Observed flickering of lamps when vehicle brought in after being parked outside in near zero temps for extended period of time. No formal notice issued.

2-5Mar15 Production issues work order regarding observations of headlamps

18Mar15 - 1st meeting to discuss issue with engineering, quality, manufacturing, purchasing, product safety

20Mar15 - Conference call with supplier to inform them of concerns.

24Mar15 - Pierce contains issue with production vehicles by removing option from in-process & future builds

1Apr15 - JW Speaker duplicates flickering lamp performance. Conditions set to produce flicker were low temp & low voltage

8Apr15 - Pierce engineering determines voltage drop for vehicles equipped for suspect lamp. Determine levels of drop indicated but supplier not valid & reject theory of defect. Request further analysis to determine defect.

Apr-Jul15 - Discussions continue w/ supplier to determine true defect. No significant progress.

28May15 - Supplier provides report (108 testing) for new LED lamp design that functions at low temp extreme. No defect presented for original issue.

10Jun15 - Pierce meeting held to discuss proposed design & possible solution. Further analysis to continue to determine defect.

24Jun15 - Issue presented to Pierce Safety committee. Recommended to take action to replace lamp with new design, even though defect is not known. Committee decision to move forward when testing complete but to continue investigation for defect. Option for LED lamps reactivated using new design.

30Jun15 - Additional testing completed & results reviewed (at environmental conditions expected that produced original concern – on new lamp design)

Jul15 - Notice drafted and circulated for approvals. Since no defect had been determined, notice was issued based on a new design correcting issue

7Aug15 - Exec approvals received

7Aug15 - Notice posted to NHTSA portal

3Sep15 - NHTSA posts recall

Description of Remedy :

Description of Remedy Program : The lamp circuit design was inadequate to function as required in the application used. The lamp will be replaced containing the updated circuitry at no charge to the customer.

How Remedy Component Differs from Recalled Component : Nothing visible - internal circuitry is different.

Identify How/When Recall Condition was Corrected in Production : The availability of option was cancelled for any future production vehicles. Any in-process vehicle builds, the lamp option was changed to a halogen design lamp that was able to meet the requirements for this application. The LED lamp circuitry design

was modified to provide proper function for application.

Recall Schedule :

Description of Recall Schedule : Pending NHTSA approval

Planned Dealer Notification Date : AUG 10, 2015 - AUG 24, 2015

Planned Owner Notification Date : AUG 10, 2015 - AUG 24, 2015

* NR - Not Reported