

**Part 573 Safety Recall Report****15V-231**

**Manufacturer Name :** Forest River, Inc.  
**Submission Date :** APR 16,2015  
**NHTSA Recall No. :** 15V-231  
**Manufacturer Recall No. :** 51-03312015-0025

**Manufacturer Information :**

Manufacturer Name : Forest River, Inc.  
 Address : 55470 CR 1  
 P.O. Box 3030 Elkhart IN 46515-3030  
 Company phone : 219-533-5934

**Population :**

Number of potentially involved : 346  
 Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2015-2015 Forest River, Inc. Cargo Mate/Continental  
 Vehicle Type : TRAILERS  
 Body Style :  
 Power Train : NR

**Descriptive Information :** A limited number of Tru Ryde Hubs have been installed on Lippert Component Axles on Forest River products that are suspected in a case hardening of the wheel stud, the stud becoming brittle and sheering off. Lippert Components have isolated the subject Tru Ryde Hubs in house inventory to change the hub/stud assembly to a known Axle Tech or the Lippert Component hub/stud assembly that is not affected by this embrittlement.

Forest River is participating in the recall as Lippert Components have filed a their own recall to reflect this subject component. However, Forest River will replace the subjected hubs free of charge to the dealership/retail owner. If the axle serial number (on the sticker on the axle) matches the listed numbers and the hub/stud assembly is manufactured by Tru Ryde only.

"Broken wheel stud at in-process torque station not representative of improper torque process but rather a suspect process condition due to the location of the failure on the wheel bolt. The stud breakage was under the serrations located on top of the threads." - LCI Statement

Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Cherokee  
 Vehicle Type : TRAILERS  
 Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Wolfpack

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Limited Edition

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Hydra-Lift

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Salem/Wildwood - 4

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Salem/Wildwood - 44

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Shasta

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Salem/Wildwood LA - 63

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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stud, the stud becoming brittle and sheering off. Lippert Components have isolated the subject Tru Ryde Hubs in house inventory to change the hub/stud assembly to a known Axle Tech or the Lippert Component hub/stud assembly that is not affected by this embrittlement.

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Coachmen - Catalina

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Puma

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. US Cargo

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2015-2015 Forest River, Inc. Coachmen - Freedom Express

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

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Production Dates : MAR 01, 2015 - MAR 31, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : "Broken wheel stud at in-process torque station not representative of improper torque process but rather a suspect process condition due to the location of the failure on the wheel bolt. The stud breakage was under the serrations located on top of the threads." - LCI Statement

Forest River is participating in the recall as Lippert Components have filed a their own recall to reflect this subject component. However, Forest River will replace the subjected hubs free of charge to the dealership/retail owner. If the axle serial number (on the sticker on the axle) matches the listed numbers and the hub/stud assembly is manufactured by Tru Ryde only.

Description of the Safety Risk : "To date all failures have occurred at in-process torque or at PDI torque process station at the OEM. There have been no field failures. To date, there have been 11 total known wheel bolts break of this nature at two OEM's. As a precautionary measure we opted to locate the production date runs and

contain to ensure we do not have any problems while awaiting the test results."  
- LCI Statement

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Description of the Cause : "Cause is yet unknown. Samples were received of the broken wheel bolts from customer and sent to Exova

Lab. We are awaiting formal results to follow as additional samples were sent to the lab. Initial suspicion is embrittlement due to "Tempered Materialistic Embrittlement". - LCI Statement

Forest River is participating in the recall as Lippert Components have filed a their own recall to reflect this subject component. However, Forest River will replace the subjected hubs free of charge to the dealership/retail owner. If the axle serial number (on the sticker on the axle) matches the listed numbers and the hub/stud assembly is manufactured by Tru Ryde only.

Identification of Any Warning that can Occur : "No warning until final torque is placed on the nut." - LCI Statement

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**Supplier Identification :**

**Component Manufacturer**

Name : Lippert Components, Inc.

Address : 27403 College Ave.

Goshen FOREIGN STATES 46528

Country : NR

**Chronology :**

"March 25, 2015 – Customer contacted Bruce Bailey, LCI Axle Engineer, with a broken stud on three consecutive units on their line. All three occurrences were on the rear door side of the unit. Pictures were sent to Bruce Bailey. The location of the breakage was different than we would typically see on a cross thread or lug nut issue and all three were on a TRP supplied hub and drum. The decision at that time was to place all product built using the SZ141223 through SZ141228 Julian Date on the TRP hubs on hold as a precautionary measure while waiting further testing." - LCI Statement

Lippert Components have isolated the subject Tru Ryde Hubs in house inventory to change the hub/stud assembly to a known Axle Tech or the Lippert Component hub/stud assembly that is not affected by this embrittlement.'

Forest River conducted our own in house searching of our Warranty Data base using the following terms:

Wheel  
Wheel Off  
Lug  
Lug Nut  
Hub  
Hub Stud  
Stud  
Stud Break  
Stud Fail

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**Description of Remedy :**

Description of Remedy Program : "Lippert Components will replace the hub from another supplier that has no known issues." - LCI Statement

Furthermore, Lippert Components have isolated the subject Tru Ryde Hubs in house inventory to change the hub/stud assembly to a known Axle Tech or the Lippert Component hub/stud assembly that is not affected by this embrittlement.

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How Remedy Component Differs from Recalled Component : "Placed all TRP supplier 6 lug hub and drums on hold within the Lippert Facility until testing could be completed. If shipment was needed the product was replaced with a different supplier.

This issue has not been located in any other supplier's product or past production runs. Testing is underway in our R & D facility. A fixture was designed to try and repeat the breakage within a controlled environment. Testing is ongoing." - LCI Statement

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Identify How/When Recall Condition was Corrected in Production : "All hub and drums from TRP were placed on hold, on March 25, 2015." - LCI Statement

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**Recall Schedule :**

Description of Recall Schedule : Forest River is participating in the recall as Lippert Components have filed a their own recall to reflect this subject component. However, Forest River will replace the subjected hubs free of charge to the dealership/retail owner. If the axle serial number (on the sticker on the axle) matches the listed numbers and the hub/stud assembly is manufactured by Tru Ryde only.

However, Forest River is going to start notifications as needed to Dealers and Owners as provided in the Notification Dates.

Planned Dealer Notification Date : APR 30, 2015 - MAY 29, 2015

Planned Owner Notification Date : APR 30, 2015 - MAY 29, 2015

\* NR - Not Reported