

Part 573 Safety Recall Report

21V-505

Manufacturer Name : Bwise Manufacturing

Submission Date : JUL 01, 2021

NHTSA Recall No. : 21V-505

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Bwise Manufacturing

Address : 1002 Wayne Avenue
Suite 1 Chambersburg PA 17201

Company phone : (717) 261-0922

Population :

Number of potentially involved : 2,786

Estimated percentage with defect : 93 %

Vehicle Information :

Vehicle 1 : 2021-2022 BWISE See Attached List

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Wallace Forge notified BWISE that R25160 couplers shipped out between December 15, 2020 and May 1, 2021 contained an internal locking mechanism that was manufactured without the correct radius. BWISE identified all models manufactured between December 15, 2020 and June 4, 2021 that use the R25160 coupler. There were 3,009 trailers identified by VIN that fit this time frame. BWISE also quarantined all couplers in stock that had not been installed on trailers. It was determined that BWISE received 3,200 potentially defective couplers between December 15, 2020 and June 4, 2021. BWISE cannot connect the trailer VIN to a specific coupler because the couplers are not serialized, therefore, all models that use the R25160 coupler manufactured between these dates must be included. 223 trailer remain in finished goods and were inspected, and repaired if necessary, prior to shipment.

Production Dates : DEC 15, 2020 - JUN 04, 2021

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Per information supplied by the Wallace Forge Company as part of NHTSA RECALL notice 21E-051 the internal locking mechanism on coupler R25160 does not meet correct specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Per information supplied by the Wallace Forge Company as part of NHTSA RECALL notice 21E-051 excessive play in the coupler in extreme conditions could cause the trailer to become uncoupled, increasing the risk personal

Description of the Cause : injury and/or property damage.
Per information supplied by the Wallace Forge Company as part of NHTSA RECALL notice 21E-051 the internal locking mechanism was manufactured without the correct radius.

Identification of Any Warning that can Occur : There is no known prior warning that would precede the failure of the locking mechanism.

Involved Components :

Component Name 1 : 20,000# Adjustable Ball Coupler
Component Description : Ball Couplers
Component Part Number : R25160

Supplier Identification :

Component Manufacturer

Name : The Wallace Forge Company
Address : 3700 Georgetown Street NE
Canton Ohio 44704
Country : United States

Chronology :

On 5/27/2021 B Wise Manufacturing was notified by a dealer that a potential warranty concern was reported by a customer, wherein a R25160 ball coupler on a BWISE trailer disconnected from his tow vehicle. The vehicle and trailer were stationary and the customer was dumping a load of shingles. The coupler 'popped off' the ball while dumping, causing the trailer to lunge forward into the back of his tow vehicle. B Wise immediately notified the coupler supplier, The Wallace Forge Company and provided details of the report, including photo evidence, for their review. The Wallace Forge Company responded and subsequently requested the coupler be returned to them via next day air service. They inspected the coupler and submitted it for pull testing with an outside agency. B Wise immediately quarantined 956 R25160 ball couplers in inventory and 223 trailers that remained in finished goods, in anticipation of the results of Wallace's independent testing of the coupler. On 6/23/2021 Wallace emailed B Wise notice of their Recall, 21E-051. All inventory and trailers were inspected and 532 of the total 1179 couplers were found to have the incorrect internal locking mechanism.

Description of Remedy :

Description of Remedy Program : Bwise will notify all dealers of the recall and request that any and all trailers currently in their inventory that may contain the defective coupler be inspected. Bwise will coordinate with Wallace to provide replacement couplers for all trailers that are inspected and considered to have the defective internal locking mechanism. Dealers will be reimbursed for 15 minutes of labor to remove the existing coupler and replace it with a new coupler. Dealers will be asked to return the defective couplers to Wallace Forge. The replacement couplers and any freight associated with the coupler shipment or return of defective couplers will be covered by the manufacturer, The Wallace Forge Company.

How Remedy Component Differs from Recalled Component : The internally locking mechanism of the faulty coupler has a flat, straight surface. The correct mechanism has a radius, rounded surface. Both are clearly visible in the visual aids provided by The Wallace Forge Company.

Identify How/When Recall Condition was Corrected in Production : Upon notice from Wallace on June 4, 2021 that a potential problem existed, all couplers that remained in inventory were quarantined and no longer installed on trailers.

Recall Schedule :

Description of Recall Schedule : Notification of Dealers will begin as soon as practicable after issuance of the recall number by NHTSA. Notification of retail purchasers and registered owners will begin as soon as they are identified, but it is anticipated that the majority will be identified and have notices mailed to them on or before September 27, 2021.

Planned Dealer Notification Date : JUL 30, 2021 - AUG 16, 2021

Planned Owner Notification Date : AUG 30, 2021 - SEP 27, 2021

* NR - Not Reported