

Part 573 Safety Recall Report

23V-206

Manufacturer Name : Vermeer Manufacturing Company**Submission Date :** MAY 30, 2023**NHTSA Recall No. :** 23V-206**Manufacturer Recall No. :** IK4395**Manufacturer Information :**

Manufacturer Name : Vermeer Manufacturing Company

Address : 1210 VERMEER ROAD EAST

PO BOX 200 PELLA IA 50219-0200

Company phone : 641-628-3141

Population :

Number of potentially involved : 1,210

Estimated percentage with defect : 97 %

Vehicle Information :

Vehicle 1 : 2021-2023 Vermeer BC700XL

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Design change in July 2016 is where it was determined this change occurred. Further investigation revealed it was a move in production line from one production plant to another that put those bolts side by side on the line. The recalled products may have a shorter safety chain retention bolt than the products being excluded due to shorter bolts being on the production assembly line floor. This recall affects approximately 1210 units.

Production Dates : FEB 27, 2021 - MAR 09, 2023

VIN Range 1 : Begin : 1VRC101VOM1004442 End : 1VRA10AL4P1051662 Not sequential**Description of Defect :**

Description of the Defect : Production may have used an incorrect length of retention bolt in the safety chain assembly. If the incorrect bolt was used the bolt will not properly engage the locking feature of the retaining nut.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the incorrect length bolt is used, the safety chain may become separated from the brush chipper tongue/towbar leading to potential crash or injury.

Description of the Cause : The design change caused two size bolts to be used on the production line. One 25 mm in length and one 30 mm in length. Production moving from one production plant to another caused them to be placed side by side on the production line so assembly may install the incorrect length bolt in the safety chain.

Identification of Any Warning that can Occur : There is no warning that can precede or occur before possible failure.

Involved Components :

Component Name 1 : Retaining Nut

Component Description : NUT-HEXFLGL-M10-1.50

Component Part Number : 507085010

Component Name 2 : Retaining Bolt

Component Description : SCREW-HFS-M10-1.50X30-10.9-FT

Component Part Number : 507612030

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

03-Mar-23-Shipping employee notified quality of a safety chain coming off when moving machine to prepare for transport. Engineering was contacted and investigated. It was determined the unit had a short 25 mm bolt instead of the required 30 mm installed.

08-Mar-23-Engineering contacted manufacturing engineering to ask why a 25mm bolt was used instead of the 30 mm bolt. Manufacturing began investigating the production line while work was completed to check and update factory inventory to the correct bolt if incorrect bolt was installed. All units were completed and production line replaced bolt inventory with correct bolts.

09-Mar-23-Engineering called Product Safety about the chain coming off and set up a meeting for 20-Mar-23 when those individuals were back in the office.

13-Mar-23 Engineering spent that week reviewing design, warranty, QNFs and possible impact to prepare for the meeting with Product Safety personnel.

20-Mar-23-Product Safety and engineering met to discuss potential hazard. Product Safety then met with Legal to discuss.

22-Mar-23-Determination was made by Product Safety this was a safety recall.

17-Apr-23-Discussion occurred between Product Safety, Compliance and Engineering around allowing owners to inspect and install this kit. It was determined there was no torque values or other specific instructions that would require dealers to install. Owners will be sent the bolts and reimbursed for their time to inspect and/or install the kit.

Description of Remedy :

Description of Remedy Program : Vermeer will prepare field remedy kits which will include the necessary parts and instructions to resolve safety issues. These field remedy kits will be provided to owners to install. Upon inspection and/or installation and receipt of Work Completion Certificate (WCC), owners will be reimbursed for the parts and labor. Parts certificates for \$50 USD will be sent to owners after receiving the WCC. Owners will be notified of the potential safety risk and available field remedy kit by letter according to the product database records maintained by Vermeer Corporation.

How Remedy Component Differs from Recalled Component : The remedy retention bolt is the correct length according to the machine's Bill of Material. The recalled retention bolt is shorter than the correct retention bolt used in production.

Identify How/When Recall Condition was Corrected in Production : Production assembly line was retrained. All inventory on the production line was updated to the correct bolt only on 08-Mar-23.

Recall Schedule :

Description of Recall Schedule : TBD but the recall kit and bulleting will be released with owner notification letters being sent out within the 60 day timeline.

Planned Dealer Notification Date : MAY 11, 2023 - MAY 11, 2023

Planned Owner Notification Date : MAY 25, 2023 - MAY 25, 2023

* NR - Not Reported