

Part 573 Safety Recall Report

20V-344

Manufacturer Name : Vermeer Manufacturing Company**Submission Date :** APR 29, 2021**NHTSA Recall No. :** 20V-344**Manufacturer Recall No. :** IK3966**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 : 55

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Vermeer BC1500

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Due to ongoing campaign 20V085, conversations occurred with wheel manufacturer, The Carlstar Group LLC., to replace the supplier defective wheel (PN 163647345) included in 20V085 campaign. Carlstar replacement wheels PN 163802001 were received through distributor Midtown Tire on or after April 18, 2020. A field report was received on May 15, 2020, involving a BC1500 brush chipper wherein a failure of lug nuts became loose while traveling on roadway in Illinois. Wheel did not detach, and no injuries occurred.

Inspection of the damaged wheel and lug nuts (PN 163802001) on the failed machine in Illinois, as well as inspection of BC1500 brush chippers in factory inventory, indicated a manufacturing variance by Carlstar was the causation of the lug nut failure. All factory inventory with this Carlstar wheel (PN 163802001) are on ship hold and will no longer be installed on Vermeer BC1500 brush chippers.

BC1500 brush chippers in factory inventory with Carlstar wheels (Vermeer PN 163802000) shipped by Vermeer Corporation to its dealers after April 22, 2020, will be recalled. There are approximately 55 Vermeer brush chippers affected by this recall.

Production Dates : APR 22, 2020 - JUN 12, 2020

VIN Range 1 : Begin : 1VR2161V1L1011056 End : 1VR2181V9L1011110

 Not sequential

Description of Defect :

Description of the Defect : Wheels have incorrect lug nut seat height.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Wheel lug nut may loosen, and loss of wheel may occur while traveling on public highway.

Description of the Cause : NR

Identification of Any Warning that can Occur : Loose or missing lug nuts.

Involved Components :

Component Name 1 : NR

Component Description : WHL-16"X8"silver,8 on 6.5";5/8" STD;1/2 offset

Component Part Number : 163802001

Supplier Identification :**Component Manufacturer**

Name : The Carlstar Group LLC.

Address : 725 Cool Springs Blvd, Suite 500
Franklin Tennessee 37067

Country : United States

Chronology :

15 May, 2020 – Field report from Vermeer Midwest in Aurora Illinois – BC1500 SN011047 Customer complaint of loose lug nuts and damaged wheel. Wheel did not separate from machine. EV Service requested axle hub and wheel be returned to Vermeer Corporation for engineering review.

18 May, 2020 – Engineering notifies Product Safety of field report and begins investigation into failure.

21 May, 2020 – Failed parts arrive – Reviewed by engineering.

26 May, 2020 – Engineering identifies possibility of lug nut bottoming out through review of parts and current inventory.

27 May, 2020 – Engineering investigation of measure available thread length in relation to lug nut depth.

01 June, 2020 – Engineering identifies wheel manufacturer variance in lug nut seat area.

06 June, 2020 - Product Safety meets with engineering to review investigation and determines a recall is required.

Description of Remedy :

Description of Remedy Program : Vermeer Corporation will provide necessary parts and instructions to its authorized Vermeer dealers to resolve the defect issue. The parts and instructions are internally known as IK3966. Upon receipt of warranty claim from dealers indicating IK3966 field remedy kit has been installed, Vermeer Corporation will reimburse dealers for the parts and labor. Vermeer Corporation pays for all parts and labor for product safety recalls regardless of whether or not the machine is still covered by its one year standard limited warranty or whether the warranty has expired. Vermeer Corporation will reimburse a retail customer/machine owner when the owner has paid for a repair prior to the product safety alert field campaign. Owner must provide proof of repair. For an owner to obtain reimbursement, owner must inquire with an authorized, independent Vermeer dealer.

How Remedy Component Differs from Recalled Component : Vermeer Corporation has identified a field remedy to provide replacement 17.5" wheel/tire assembly and tire specification placard, internally known as IK3966. The defective wheels in the field were a 16" wheel/tire assembly.

Identify How/When Recall Condition was Corrected in Production : An Engineering Change Notice (ECN) is in process to stop installation of 16" wheel and tire assembly and replace with 17.5" wheel and tire assembly on production BC1500 brush chipper trailers.

Recall Schedule :

Description of Recall Schedule :

- 1) dealer notification will be published on factory-to-dealer internet site;
- 2) a report to each dealer identifying the affected machines and owners in their area of responsibility will be emailed on 07/16/2020;
- 3) owner notification letters will be mailed via US Postal Service certified/registered mail on 07/30/2020. Translated owner notification letters will be included, where official/primary language of country is not English.

Planned Dealer Notification Date : JUL 16, 2020 - JUL 16, 2020

Planned Owner Notification Date : JUL 30, 2020 - JUL 30, 2020

* NR - Not Reported