



# FIELD KIT

## Vermeer Corporation

Environmental  
Pella, IA 50219 USA

<b>FIELD CAMPAIGN KIT#</b>	<b>IK003966</b>	<b>DATE:</b>	<b>16 July 2020</b>
<i>For Dealer Reference: Service Bulletin #SVC2020-092</i>			
<b>BC1500 Wheel and Tire Assembly Replacement Kit</b>			

<b>CAMPAIGN TYPE:</b>	<b>Mandatory-Product Safety</b> <b>DEALER INSTALLATION ONLY</b>
<b>CAMPAIGN CATEGORY:</b>	<b>Kit and Bulletin</b>

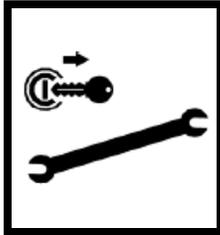
<b>MACHINE/ ATTACHMENT MODEL(S):</b>	<b>Serial Numbers</b>		
	<b>Included</b>	<b>Excluded</b>	<b>Kit Version</b>
<b>BC1500</b>	<b>11056 – 11110</b>	<b>11066, 11067, 11069, 11074, 11076 – 11080, 11082, 11090 – 11092, 11097, 11101, 11102, 11107, 11109</b>	<b>IK01</b>



**PURPOSE: POSSIBLE LOSS OF WHEEL AND RISK OF CRASH** After April 18, 2020, specific 16” x 8”, 8 on 6.5” wheels provided to Vermeer Corporation by a supplier have a manufacturing variance in the lug nut seat height which can cause the lug nuts to loosen. If lug nuts loosen when towing the brush chipper, the risk of wheel loss and a crash is possible resulting in death or serious injury. Property damage may also occur. This kit has been created to provide the necessary parts and instructions to replace the wheel and tire assembly and install a new wheel/tire specification placard decal.

### SPECIAL TOOLS AND CONDITIONS:

- None



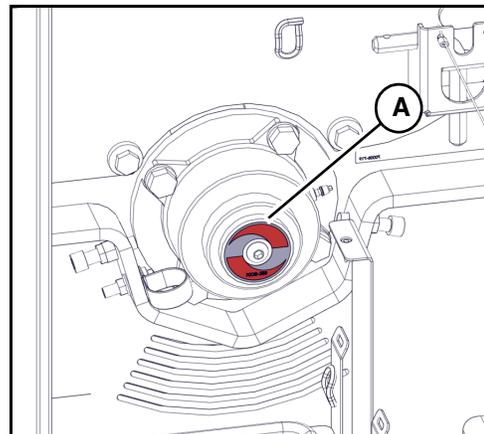
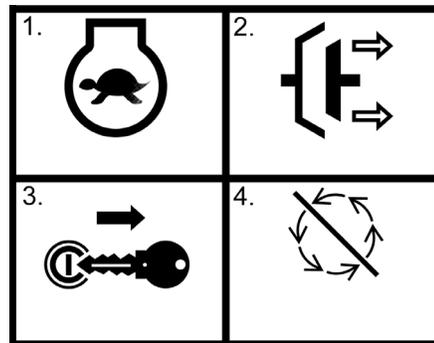
**WARNING:** Failure to use shutdown procedure can result in unexpected hazard(s). Death or serious injury could result due to entanglement, crushing, cutting, or other hazardous contact. Follow Shutdown Procedure after operating, before performing any service or maintenance, and before transporting.

## Shutdown - BC1500

For your safety and safety of others, use the shutdown procedure before working on the machine for any reason, including servicing, cleaning, unclogging, inspecting, or transporting the chipper.

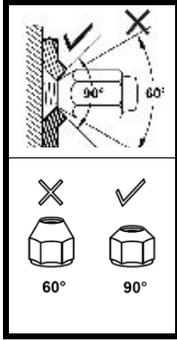
A variation of this procedure may be used if so instructed within this manual or if an emergency requires it.

1. Return *Upper Feed Control Bar* to STOP position.
  2. Place Throttle Switch to LOW RPM.  
  
Whenever practical and safe, allow engine to idle for 1 to 5 minutes before shutting down after operating at full power. Please consult machine's engine manual for details.
  3. Wait for cutter drum to slow.
  4. Move *Clutch/Throttle Lever* to DISENGAGED/ LOW RPM position.
  5. If so equipped, shut off remote control if in use.
  6. Shut off engine and remove key.
  7. Wait for cutter drum and belt to stop.
- NOTICE:** Cutter drum rotation can be checked by looking at the end of the shaft (A) on the left side of the cutter drum housing.
8. Close and latch feed table.



Unless indicated, new parts from kit have callouts with numbers. Callouts with letters indicate existing parts or general items.

## PROCEDURE: WHEELS, AXLES, AND SUSPENSION MAINTENANCE



**WARNING:** Incompatible lug nuts may loosen and cause wheel loss.

Use only 5/8-18 lug nuts with a 90° conical taper.

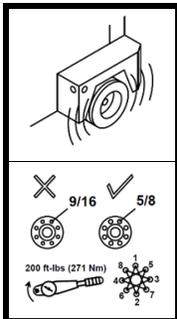
**NOTICE:** Improper or mismatched lug nuts and wheels can cause wheel loss leading to a crash. The conical taper of the lug nuts must properly engage the wheel lug nut seats.

The wheels and axle hubs on this trailer use special 5/8"-18 lug nuts with a 90° conical taper.

Never use incompatible lug nuts, such as those with a 60° taper or a flat face.

Never use wheels intended for 9/16" wheel lugs.

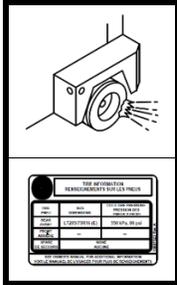
Never use wheels that do not utilize a 90° conical lug nut seat taper.



**WARNING:** Incompatible wheels or loose lug nuts can cause wheel loss and machine damage.

Use only wheels that are compatible with 5/8 lug studs and 90° conical nuts. Check lug nut torque regularly.

Properly tighten lug nuts in a star pattern using only hand tools. DO NOT use impact wrenches which can damage the lug nuts, lug nut seats, and hub studs. Torque and recheck every 500 miles (800 km).



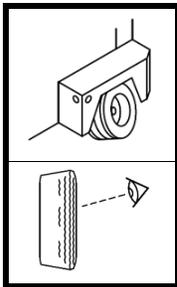
**WARNING:** Improper tire pressure can cause a blowout.

Set cold tire pressure according to tire placard.  
Check pressure monthly.

**NOTICE:** Under-inflation causes tire damage and can lead to a blowout.

Set the tire air pressure to the value listed on the machine's tire placard, **NOT** the pressure printed on the sidewall of the tire. Recheck monthly. Tires normally lose 1–2 psi (6.9–13.8 kPa) per month.

Tire pressure can also drop if the temperature outside has dropped significantly, so check more often in cold weather.



**WARNING:** Worn or damaged suspension can cause premature tire wear and machine damage.

Uneven wear on tires can be an indication of worn suspension or poor alignment.

Axle or suspension damage can cause premature tire wear and tire failure, or axle failure.

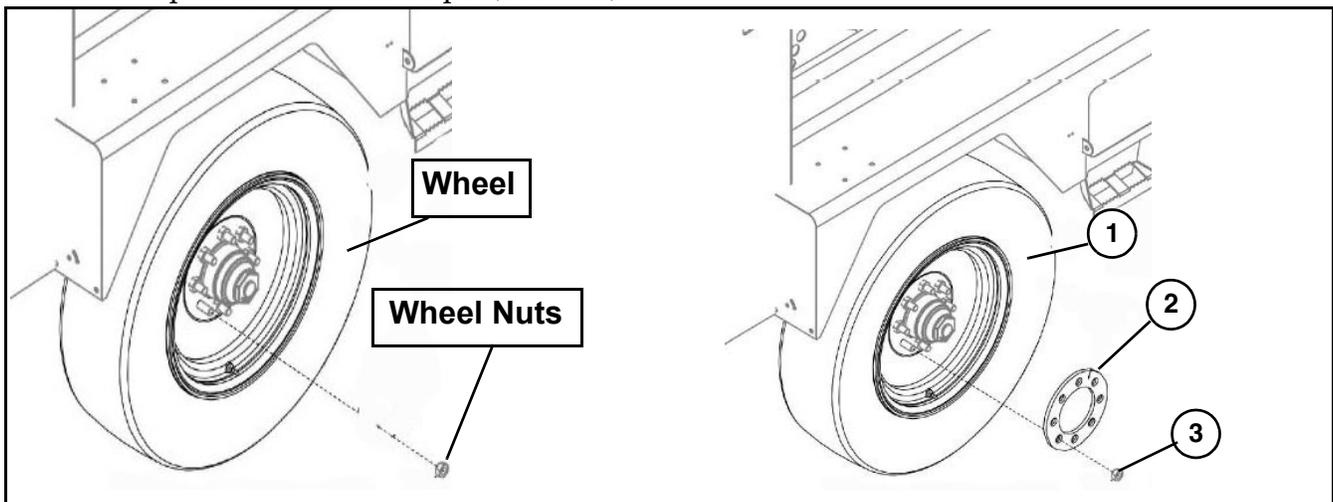
Have your trailer checked if you suspect misalignment, if your tires have suffered any type of impact, or if you observe uneven tire wear.



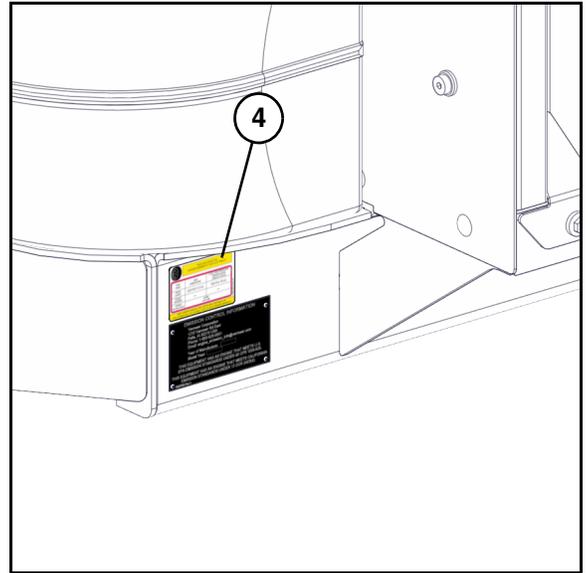
**WARNING:** Raised load can shift or fall. Death or serious injury could be possible if struck or crushed by falling load. Never allow anyone under a raised load unless load is securely supported to prevent it from shifting or falling.

### PROCEDURE: WHEEL AND TIRE ASSEMBLY 17.5 IK01

1. Using a suitable lifting device capable of lifting approximately 10,000 lb (4550 kg), raise machine off ground to allow adequate room to remove tire.
2. Place suitable blocking under trailer frame and remove lifting device.
3. Remove and discard eight wheel nuts, and wheel from each side of machine. Weight of each wheel is approximately 91 lb (42 kg).
4. Torch cut wheels across lug nut area.
5. Take a photo(s) of destroyed wheels and attach to campaign warranty claim.
6. Discard wheel nuts so they can no longer be used or sold for any purpose.
7. The removed used tires may be retained in your **used** tire inventory or disposed of. Cost of tire removal is included in labor hours.
8. Install new wheel (1) on the axle. Slide clamp ring (2) on axle. Secure using eight wheel nuts (3). Weight of each wheel is approximately 91 lb (42 kg).
9. Torque wheel nuts in a star pattern to 200 ft-lb (271 Nm).
10. Repeat steps 8 and 9 for opposite side.
11. Check tire pressure to be at 85 psi (590 kPa).



12. Attach one new tire information decal (4) on left side of machine.
13. Remove Figure 1 and attach to the invoice or place in the manual storage box so unit owner can place with existing Parts Manual.



UNIT OWNER COPY:  
 Insert into Parts Manual  
 for future reference

**Figure 1**

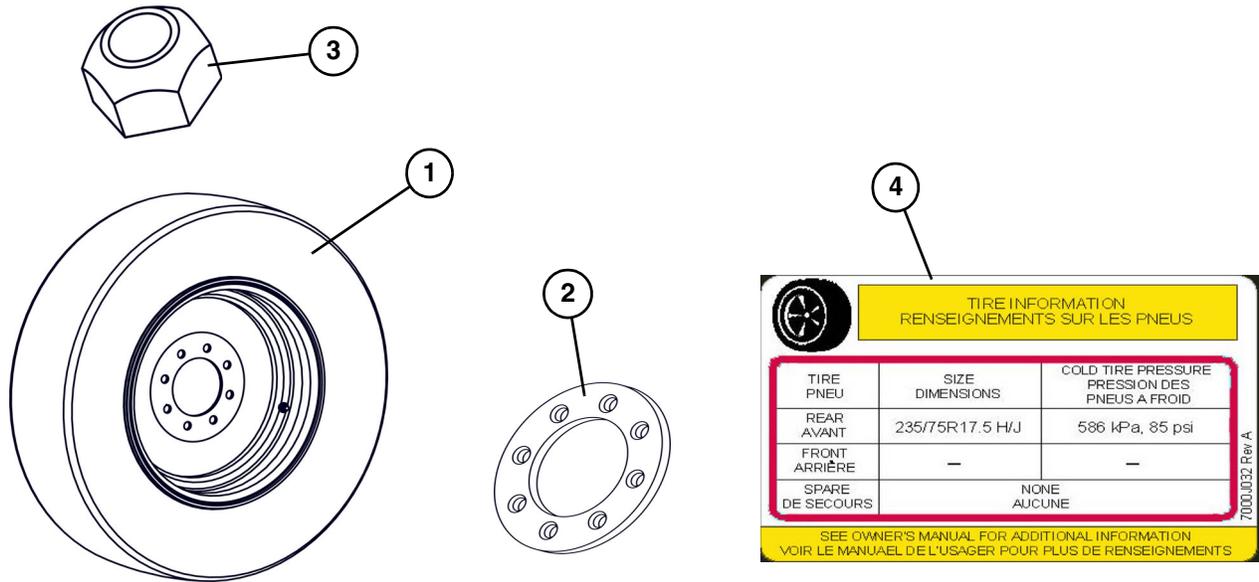


FIGURE 1 Parts List			
REF. NO.	PART NO.	DESCRIPTION	IK01 QTY.
1	163713905	HEAVY DUTY - WHEEL ASSY - 235/75R17.5 H/J; 5/8 S	2
2	215490049	CLAMP RING	2
3	116621009	WHEEL NUT 5/8in 18 CONE 90°	16
4	7000J032	DECAL- TIRE INFORMATION	1
Kit IK01 includes all items in Figure 1 Parts List.			