

CHIPPER CHECK OUT LIST

Show Customer Knife Condition _____

Starting Instructions _____

Proper Clutch Engagement _____

Control Panel Settings _____

Forward / Reverse Control Bar _____

Lower Safety Knee Bar _____

Proper Feeding Techniques _____

Fuel Tank Location _____ **Gas Only**

MISUSE WARNING: This chipper is for tree branches and limbs only! You are responsible for any damage caused by nail, metal, dirt or sand embedded wood, wire, rocks, etc. Misuse Voids The Equipment Protection Plan!

Employee Print: _____

Customers Signature: _____

Date: _____

Note: Upon Return The Condition Of The Knives Will Be Inspected!

WARNING TOWABLE CHIPPERS

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

Towing Requirements

Customer Acknowledges That They Have A 1/2 Ton Vehicle With A Towing Capacity And Hitch Rated At 7,000lbs Or More
Weight 4,680 lbs. 20 ga. fuel capacity

A TOOL SHED IS NOT RESPONSIBLE FOR BUMPER DAMAGE

<<< Not allowed over 100 miles from our outer most location. >>>

MISUSE WARNING

This chipper is for tree branches and limbs only! You are responsible for any damage caused by nail, metal, dirt or sand embedded wood, wire, rocks, etc.

Over feeding or putting piles of leaves or debris in the hopper will slow the cutter wheel causing it to jamb. This misuse will damage the belts. The Equipment Protection Plan does not cover damage from Misuse!

REQUIRES REGULAR GAS

IMPORTANT SAFETY RULES TO FOLLOW

 **WARNING** Before starting the Chipper. Make sure the area has been secured to keep bystanders clear and out of the restricted/operator's only area. (At least a 50 foot diameter circle around the Chipper) If necessary use barricades, cones, delineator posts and caution tape. Check to see that all the belt guards are in place and that the infeed hopper is clear of any foreign objects.

 **DANGER** Make sure to position the discharge chute into a safe and restricted area. Discharge chips are moving at a high rate of speed and can cause property damage and /or injuries to animals or pedestrians.
Note: Chips will break the back window out of a truck.

 **DANGER** When operating the Chipper never wear loose fitting clothing or gloves that do not fit your hands snugly. Loose fitting clothes can become entangled in the chippers moving parts or branches pulling you into the Chipper resulting in dismemberment or death. Always wear personal protective equipment including, hardhat, safety shoes, eye protection, ear protection and gloves. **CONTACT WITH ROTATING FEED ROLLER AND CUTTER WHEEL CAN KILL OR DISMEMBER.**

 **WARNING** Whenever feeding branches into the Chipper always stand to the curb side of the hopper infeed table. Never stand directly in hopper opening. Limbs and chips can be kicked back or thrown out of hopper. If working near traffic, wear high visibility clothing.

 **WARNING** Never push short branches, twigs or leaves into the Chipper. When you are feeding a longer branch simply toss the smaller pieces on top. The longer branch will pull them into the chipper automatically.

 **DANGER NEVER REACH INTO THE INFEED HOPPER!** If a feeding problem should occur place the feeder control bar in neutral, shut machine down and wait until the cutting wheel comes to a complete stop before resolving the problem. Do the same before refueling, cleaning or transporting.

ATTENTION Whenever feeding limbs into Chipper, feed butt end first. This practice will decrease the problem of wedging or jamming in hopper.

 **CAUTION** Always keep the chipper on level ground when unhooked from truck. Always block both tires front and rear, make sure rear stabilizer tube is down and locked to keep Chipper from tipping backwards. Chipper should always be sitting level from front to back when unhooked from truck. The chipper must be operated on a firm, level surface.

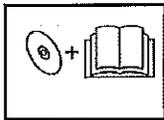
 **DANGER** Fuel and fumes can catch fire or explode and cause burns. Make sure engine is turned off and cooled down before refueling. Do not touch any hydraulic line that may burst. Hydraulic fluid is under extreme pressure and can cause serious burns or puncture your skin. Prevent fires by keeping engine compartment; battery, hydraulic lines, fuel tank and operator's station clean of trash, grease, and debris. Exhaust fumes can be fatal. Work outdoors only.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. If there is any doubt as to the operation or safety of the equipment,

DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!!

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH

Your rental associate or technician will explain each of the following operating steps and safety practices before you use this brush chipper.



WARNING: Do not use or attempt to operate the machine until you understand proper operation and safety of this brush chipper. Read the operator's manual. Read safety signs attached to the machine. In addition, a Vermeer Brush Chipper Operation and Safety Video is available for viewing at your rental center. If you are unsure of content or meaning of the safety messages or information regarding machine operation, ask your rental associate or technician for more details.

INTENDED USE: Vermeer BC1000XL Brush Chippers are designed solely for use in chipping organic material such as wood, bark, limbs, brush, and undergrowth.

OPERATING STEPS

1. Brush Chipper Transport:

- Vehicle must have towing capacity of 4860 lb (2204 kg), safety chain and highway light connections and equipped with a brake controller.
- Fold and latch feed table. Rotate and lock discharge chute facing tow vehicle. Stow tongue jack.

2. Brush Chipper Setup:

- Set up machine in area free of obstacles. **NEVER** setup under a tree being pruned or removed.
- Always keep machine attached to tow vehicle and feed table set a minimum of 24" (61 cm) off the ground.
- Rotate and lock discharge chute to direct chips away from work area.
- Wear appropriate personal protective equipment.
- If working along the road use all necessary signs, cones, and flag persons needed for the work situation.

3. Brush Chipper Start:

- Place "Cutter Engage/Throttle Lever" in DISENGAGED/LOW RPM.
- Place "Upper Feed Control Bar" in top "STOP" position.
- Turn ignition key clockwise to *ON/Preheat* position to turn on the electrical system (allow wait to start lamp to go out on 49 hp 36.5 kW).
- Start engine and let it warm up for 3-5 minutes before engaging the cutter drum.
- Grip "Cutter Engage/Throttle Lever" firmly and move it slowly to the ENGAGED/HIGH RPM position.
- Pull "Upper Feed Control Bar" into "FORWARD" feed position and push the green "Hold-to-Run" button on either side of machine. Feed roller will start rotating in "FORWARD" to pull material into brush chipper.

NOTE: When engine speed drops below selected RPM because of heavy chipping, SmartFeed will momentarily reverse and stop the feed roller. The feed roller will resume once engine speed RPM recovers.

4. Brush Chipper Feeding Tips:

- To reduce risk of being pulled into machine:
 - Feed from side of feed table, **NEVER** directly behind it.
 - Feed large end of log or branch into chipper first.
 - If wearing gloves, they must have narrow tight-fitting cuffs. **NEVER** wear gauntlet-style cuffed gloves.
 - Keep away from rotating feed roller. **NEVER** climb onto feed table.
 - Use wood object to push twigs or small short material into feed roller. **NEVER** push material with hands, feet, rake, shovel or other non-wood objects.
- To reduce risk of being struck by material, release limb immediately after it begins feeding, then turn away.

5. Stopping Brush Chipper Feeding:

- Push "Upper Feed Control Bar" toward front of machine to center "STOP" position or, Pull "Upper Feed Control Bar" toward rear of machine to "E-Stop" position or, Push "Lower Feed Stop Bar" toward front of machine.

6. Removing Plugged Material:

- If feed roller plugs or stalls, push "Upper Feed Control Bar" to "REVERSE" feed position. Reposition or trim oversize material and re-feed into chipper.
- If reversing the feed roller does not dislodge the plug, follow "Shutdown Procedure" outlined in attached operator's manual. Then follow instructions to unplug the machine.
- If cutter drum or discharge chute plugs, follow "Shutdown Procedure" outlined in attached operator's manual. Then follow instructions for unplugging.

7. Restarting Stalled Machine:

- Place "Upper Feed Control Bar" in center "STOP" position.
- Place "Cutter Engage/Throttle Lever" in DISENGAGED/LOW RPM position and restart engine.
- Place "Cutter Engage/Throttle Lever" in DISENGAGED/HIGH RPM position, use "Upper Feed Control Bar" to reverse material out of feed roller.
- Place "Cutter Engage/Throttle Lever" in ENGAGED/HIGH RPM position, pull "Upper Feed Control Bar" to forward position, push green "Hold-to-run" button and resume operation.

8. Shutdown Procedure:

- Place "Upper Control Bar" in center "STOP" position.
- Place "Cutter Engage/Throttle Lever" in the DISENGAGED/LOW RPM position and turn engine off and remove key.
- Wait for cutter drum to stop. Check left cutter drum bearing to ensure rotation has stopped.

IMPORTANT: Cutter drum will continue to rotate for a short time after engine has stopped.

Operator's manual and rental center guide are available in other languages. Contact productsafety@vermeer.com. Se dispone del manual del operador y de la guía de centros de alquiler en otros idiomas. Póngase en contacto con productsafety@vermeer.com.

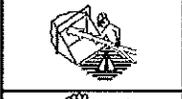
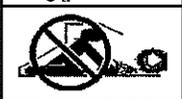
See other side for Safety Practices

Your rental associate or technician will explain to you each of the following safety practices and operating steps before you use this brush chipper.

INTENDED USE: Vermeer BC1000XL Brush Chippers are designed solely for use in chipping organic material such as wood, bark, limbs, brush, and undergrowth.

SAFETY PRACTICES

Below are selected safety messages. Additional safety information is contained in safety signs on the machine and in the Operator's Manual attached to the machine. A Vermeer Brush Chipper Operations and Safety Video is available for viewing at this rental center.

- | | |
|---|--|
|  | <p>WARNING: Keep all spectators and unprotected workers away from the machine and work area while in operation.</p> |
|  | <p>DANGER: Limbs can snag clothing. Rollers or blades can grab and pull you in faster than you can let go of limb. Cutting injury or death will result.</p> |
|  | <ul style="list-style-type: none">• Feed material from the side of the feed table. |
|  | <ul style="list-style-type: none">• Feed base of limb first. |
|  | <ul style="list-style-type: none">• If you wear gloves, gloves must have narrow tight-fitting cuffs. |
|  | <ul style="list-style-type: none">• Use wood object to push short material into feed roller. |
|  | <ul style="list-style-type: none">• Never climb onto feed table. |
|  | <ul style="list-style-type: none">• Keep away from rotating feed roller and blades. |
|  | <p>DANGER: Rotating knives in cutter housing can cut off hand. Thrown objects can strike you.</p> |
|  | <ul style="list-style-type: none">• Stop engine and wait for drum to stop. |
|  | <ul style="list-style-type: none">• Then open cutter housing access cover. |
|  | <p>WARNING: Use Shutdown Procedure explained in the operator's manual before servicing, cleaning, repairing or transporting the machine.</p> |



WARNING: Failure to follow any of the preceding safety instructions or those shown on the machine or in the operator's manual could result in serious injury or death. This machine is to be used for only those purposes for which it was intended as explained in the operator's manual.

See other side for Operating Steps

WARNING



This Chipper is for tree limbs and branches only!

The damage to the blade in this picture was caused by nail embedded wood. Feeding nail embedded wood, wire, rocks or any other foreign materials through this Chipper is considered misuse and is not covered by the Equipment Protection Plan.

Total cost of repairs billed to the customer for damages to the Chipper were \$410.18

Note: We always inspect the Chipper blades and bed knife before and after each rental.

SAFE WORKING AREA

In order to create a safe working area, each crew must consider:

- 1) Placement of equipment and the brush pile.
- 2) Keeping children, pets and onlookers at a safe distance.
- 3) Guard chipper discharge.
- 4) Minimize interference with auto traffic.

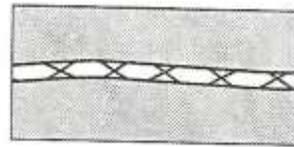
Using these safety tools, layout a safe working area that best fits your project and/or situation.



Barricade Signs



Safety Cones



Caution Tape

*The example below, is also a sticker on the side of your machine.
Please Note: This is a proposed layout, your safe working area may vary.*

