



# Rental Center Guide

## Operating Steps and Safety Practices

### Vermeer CTX100 Mini Skid Steer

For **Safety Videos** and other resources, go to **Support/Safety** on [www.vermeer.com](http://www.vermeer.com)

Visit Vermeer at [www.vermeer.com](http://www.vermeer.com) to locate your local Vermeer dealer.

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



**WARNING:** Do not use or attempt to operate the machine until you understand proper operation and safety of the machine. Read the Operator's Manual. Read safety signs attached to the machine. In addition, a Vermeer Mini Skid Steer 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 details.

**INTENDED USE:** Vermeer CTX100 Mini Skid Steer is a self-propelled track machine with stand-up operating station that can be equipped with a variety of attachments for light and medium duty work. It is designed for short runs and working in small areas.

#### OPERATING STEPS

##### **1. Engine Start:**

- a. Check all machine fluid levels and condition of air cleaner before starting machine.
- b. Stand with both feet on rear platform to engage "Operator Presence".
- c. Place "Ground Drive" and "Auxiliary Attachment" controls in NEUTRAL.
- d. If equipped with a preheater, hold in "Preheat" position until indicator light turns off.
- e. Use "Key Switch" to start engine. After engine starts, maintain "Throttle" at low speed and let engine warm up.

##### **2. Highway Transport:**

- a. Before transporting machine on a trailer, read trailer manual for safety precautions and loading information. Ensure gross weight of machine with attachments is within the gross weight limits of the trailer and the towing vehicle. Approximate machine weight with standard size bucket is 3515 lb (1594 kg). Refer to Maintenance Manual for weights of other machine configurations.
- b. Clean machine to keep any debris off highway. Position machine in-line with trailer ramps, set "Throttle" to 1/2 speed. With trailer attached to tow vehicle and parked on level ground, slowly and smoothly drive machine squarely onto trailer and stop machine when tie-down position is reached. Avoid loading if ramps are slippery. **NOTICE: With standard bucket, loading forks or no attachment, back up ramps and drive forward down ramps. Driving with operator downhill may result in machine tipping backward. With attachments weighing more than 200 lb (90 kg), drive forward up ramps and back down ramps. Driving with the heavy attachment end downhill may result in machine tipping forward. Always travel on ramps with attachment as low as practical. Minimize steering while on ramps.**
- c. Fully lower attachment to trailer bed. Shut off engine and remove key.
- d. Secure machine to trailer using standard tie-down procedures with one front and two rear tie-down points. Secure any loose attachments.
- e. Reverse procedure for unloading machine from trailer. Ensure trailer is on level ground. Avoid unloading if ramps are slippery.

##### **3. Setup:**

- a. Contact the local One-Call system in your area to request location of all underground utilities near work area.
- b. Operating the machine will require you to wear protective equipment. Always wear a hard hat, safety shoes, hearing protectors, and eye protection. If working near traffic, wear reflective clothing.
- c. Examine work area for any obstructions, conditions, or situations which may impair machine operation or create a safety hazard for the operator or other persons. Look for evidence or notices of underground placements, manhole covers, drop boxes, and recent trenching activity. All utilities in these areas should be marked and avoided. Check for and stay away from steep slopes, banks, overhangs, drop-offs, and trenches which can cave in. Use the information on safety signs on the machine and in the Operator's Manual combined with your own good judgment when identifying operating hazards and avoidance measures.
- d. Refer to the Operator's Manual for detailed instructions on installing and removing attachments and connecting any attachment hydraulic functions.

**WARNING: Using unauthorized attachments may cause difficulties with steering, stopping, stability and other undesirable performance or handling characteristics. Never use unauthorized attachments.**

##### **4. Driving the Machine:**

- a. Place your hands, palms down, on the "Handgrip Bar" so your fingers are on the forward area of the bar and the palms on the rear portion of the bar, with the joystick knob cradled between your thumb and forefinger. This provides a secure grip and good lever control.
- b. Drive machine at a speed suitable for the terrain. Always keep both hands firmly on the "Handgrip Bar" when moving the machine. Return controls to NEUTRAL before removing your hands from the bar.
- c. Move "Ground Drive Joystick" slowly to start moving the machine smoothly. Avoid sudden stopping, starting, or turning unless necessary.
- d. When driving over an object such as a curb, bump or depression, the machine can pitch forward or backward quickly. Watch for these objects and travel very slowly. Avoid excessive speed, quick turns and terrain which could make the machine unstable.

##### **5. Digging, Filling and Emptying Bucket Attachment:**

- a. Refer to the Operator's Manual for detailed instructions on bucket attachment and operation.

##### **6. Moving Machine with a load:**

- a. When moving the machine, keep loaded bucket as low as practical (carry position). Raise bucket only enough to clear any ground obstructions.
- b. When moving the machine on a slope with a loaded bucket, go up or down slope with the bucket facing **UP** the slope. When moving the machine on a slope with an empty bucket, go up or down slope with the bucket facing **DOWN** the slope. Avoid operating across a slope or incline.

##### **7. Shutdown Procedure:**

- a. Park machine on level surface and place "Ground Drive" and "Auxiliary Attachment" controls in NEUTRAL.
- b. Fully lower attachment to ground.
- c. Reduce engine speed to idle, run for a minimum of 15 seconds to cool, then shut off engine and remove key.

Operator's Manual and Rental Center Guide are available in other languages. Contact [productsafety@vermeer.com](mailto: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](mailto:productsafety@vermeer.com).

**See other side for Safety Practices**



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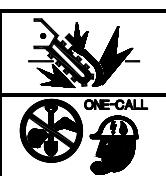
Your rental associate or technician will explain each of the following **safety practices and operating steps** before you use this machine.

### SAFETY PRACTICES

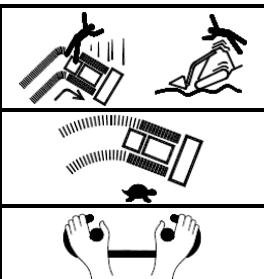
Below are selected safety messages. Additional safety information is contained in safety signs on the machine and in the Operator's Manual attached to the machine.



**WARNING:** Keep all spectators and unprotected workers away from the machine and work area while in operation.

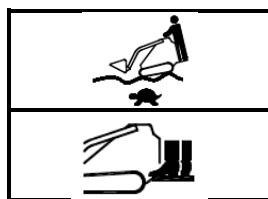


**WARNING:** Before you start any digging project, call the local One-Call system in your area and any utility that does not subscribe to the One-Call system.



**WARNING:** Abrupt movement and uneven terrain can throw operator off machine.

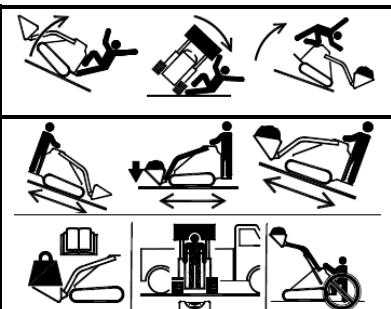
Avoid abrupt starts,  
stops, and turns.



Slow down on rough and  
uneven terrain.

Keep both hands  
firmly on grips.

Keep both feet on platform.



**WARNING:** Traveling on slopes or with load elevated may result in tip over. Serious crushing injury or death can result.

Always travel with load lowered when traveling up or down slopes. You may also need to keep heavy end uphill for added stability.

Do not exceed rated load capacity. Load on firm and level ground. Do not step off platform with load raised.

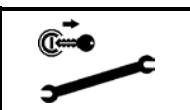


**WARNING:** Falling load can crush.

Keep load level when raising loader arms.



**WARNING:** Never work under an attachment unless it is adequately supported to prevent it from falling unexpectedly.



**WARNING:** Use Shutdown Procedure explained in the Operator's Manual before servicing, cleaning, repairing, or transporting the machine.



**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**