

TrampKit.com LLC Universal Retention Wall Instructions

*****Verify your trampoline is high quality, in good shape and you can easily get parts for it.**

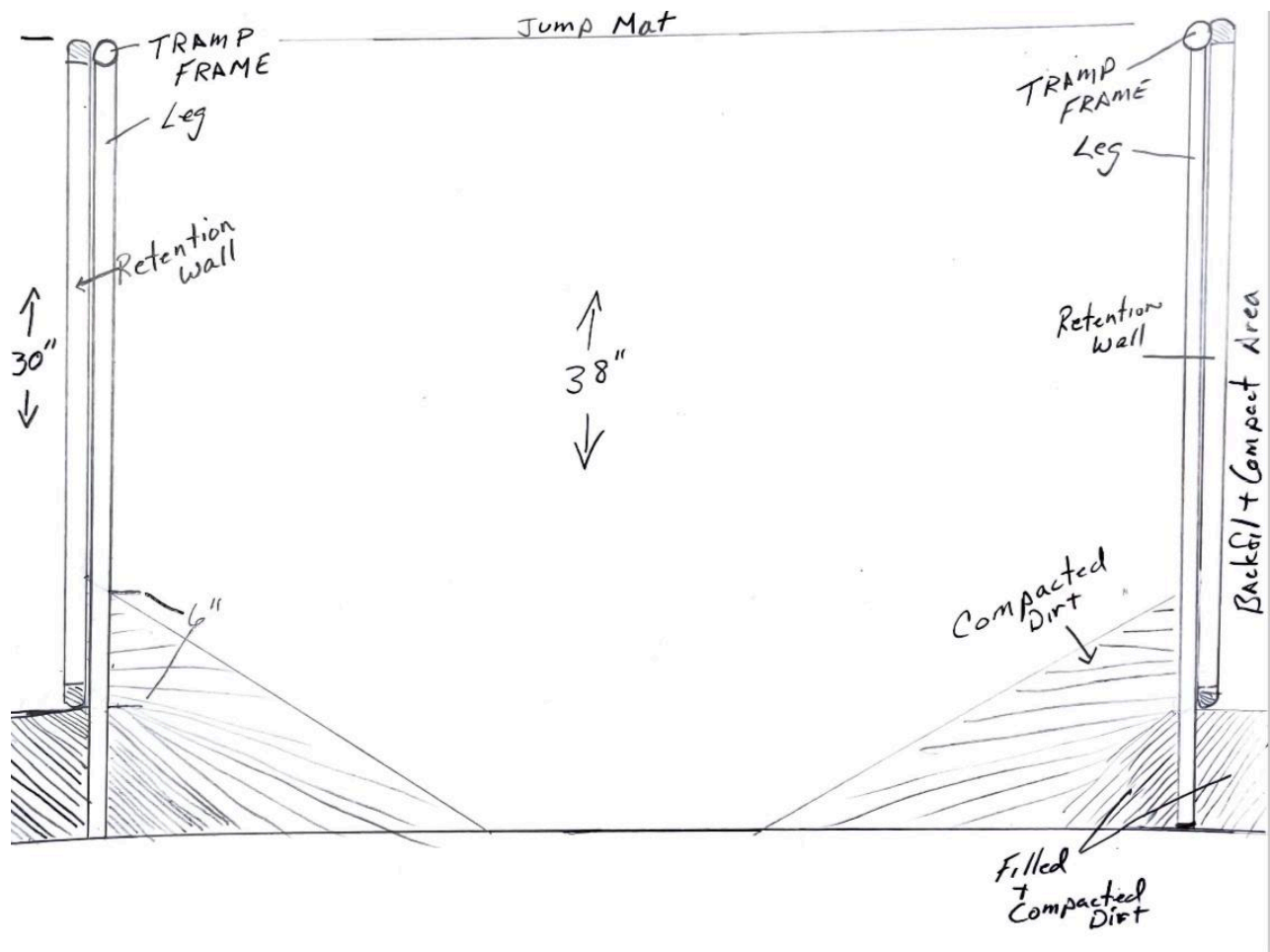
Step 1. Before beginning any installation, Read through instructions **entirely** and watch the installation video found on our web site on the “Universal Retention Wall” page.

Step 2. Verify you have enough wall panels to go around the entire trampoline frame.

Step 3. Retention wall panels are 30” high, your trampoline legs will be taller than 30”. You can choose between two options: A: Cut legs down so they are 30” from top of tramp frame to bottom of the legs. (this can be difficult or easy depending on the brand of trampoline) B: Dig your hole to match the depth of your particular trampoline legs, set the trampoline frame in the hole, then add and compact dirt around the perimeter of the hole and around the legs. Fill this area until the level of the “compacted” dirt is 30” below the top of the frame. Both of these options will allow the retention wall panels to sit on the compacted dirt and line up with the top of the frame. (Option B is shown in the sketch below)

Step 4. When digging the hole, dig it so that the hole is level and is 1’ larger than the trampoline frame all around the perimeter. This will allow room for a jump compactor as you backfill with dirt around the perimeter.

Note: When digging the hole, please be aware that the center of the Trampoline **MUST** have a jump depth clearance of a minimum of 38” from the jump mat to the ground. The bottom of the hole will be slightly “coned” or “tapered”. Deepest in the middle, then slopping up and outward toward the retention wall. This sloped dirt should go up the inside of the retention wall at least 6” to help support the retention wall and keep it from moving. This sloped dirt should be compacted to keep everything in place for years.



Step 5. After hole is dug and the trampoline frame is set in place, double check to make sure the top of the frame is extremely level. Adjust as needed.

Step 6. If needed, add dirt around the perimeter and compact it so the dirt is exactly 30" below the top of the frame.

Step 7. Start installing the retention wall panels one at a time. Loosely zip tie the panels to the frame and interlock each panel with provided pipes.



Step 8. Insert “caps” at each joint. Use provided self tapping screws to secure the caps and interlock pipes. (2 screws at each joint, one in the cap and one at the bottom.)





Step 9. On the last panel, you will need to cut it to fit. Before cutting, gently stretch all the panels around the frame and pull zip ties tight as you stretch them. This is to get a snug fit. Do not get western and over stretch the panels and deform the ribs between the caps. Now you are ready to measure and cut the final panel.

Step 10. Attach the last joint by using zip ties around the end pipes.



Step 11. With the frame and retention walls in place, pound wood stakes (not provided) around the inside perimeter of the retention wall every 18" to temporarily hold into position. Optional: For added stiffness, you can use a 1" schedule 40 PVC pipe around the bottom inside perimeter and then pound the stakes.



Optional: With PVC Stiffener



Step 12. Wrap the outside face of the retention wall with heavy duty weed fabric or similar. 36" wide fabric is best. Tape the fabric around the top of the tramp frame. This will secure the fabric and keep the frame protected during backfilling.



Step 13. Throw about 6" of dirt around the outside perimeter of the wall all the way around. Be careful not to distort the retention wall. Do the same around the inside perimeter. Now carefully compact the dirt on the inside and outside at the same time by stepping on the dirt. Use caution to keep the wall nice and straight. This step secures the bottom of the retention wall.



Step 14. Add about 12" of dirt to the outside perimeter and use a jump compactor to make it solid and keep it from settling over time. Continue to use caution not to deform the retention wall.

Step 15. If you went with option A in step 3, your hole is 30" deep. So now you need to dig the center of the hole deeper for appropriate jump clearance. Dig the hole at the center to at least a depth of 38". Taper the hole so it goes from 38" up to 6" above the bottom of the retention wall. As shown in the sketch below step 4.

If you went with option B and dug the entire hole to 38", you need to add dirt to create a sloping tapered hole inside the retention walls.



Note: If you are going to put weed fabric and gravel in the bottom of the hole, dig the hole down to at least 40" so you can add weed fabric and a couple inches of gravel and still have a final jump depth of 38" in the center.

Step 16. You are now ready to finish backfilling the outside perimeter for the retention wall. Add no more than 12" at a time while jump compacting. Repeat until dirt is within 2" of the top of the retention wall.

You may need a final finishing grade before sod is installed.



Step 17. Trim the weed fabric $\frac{1}{4}$ ' below the top of the retention wall.



Step 18. You can choose to install mat, springs and pads now or wait until sprinklers and lawn are finished.

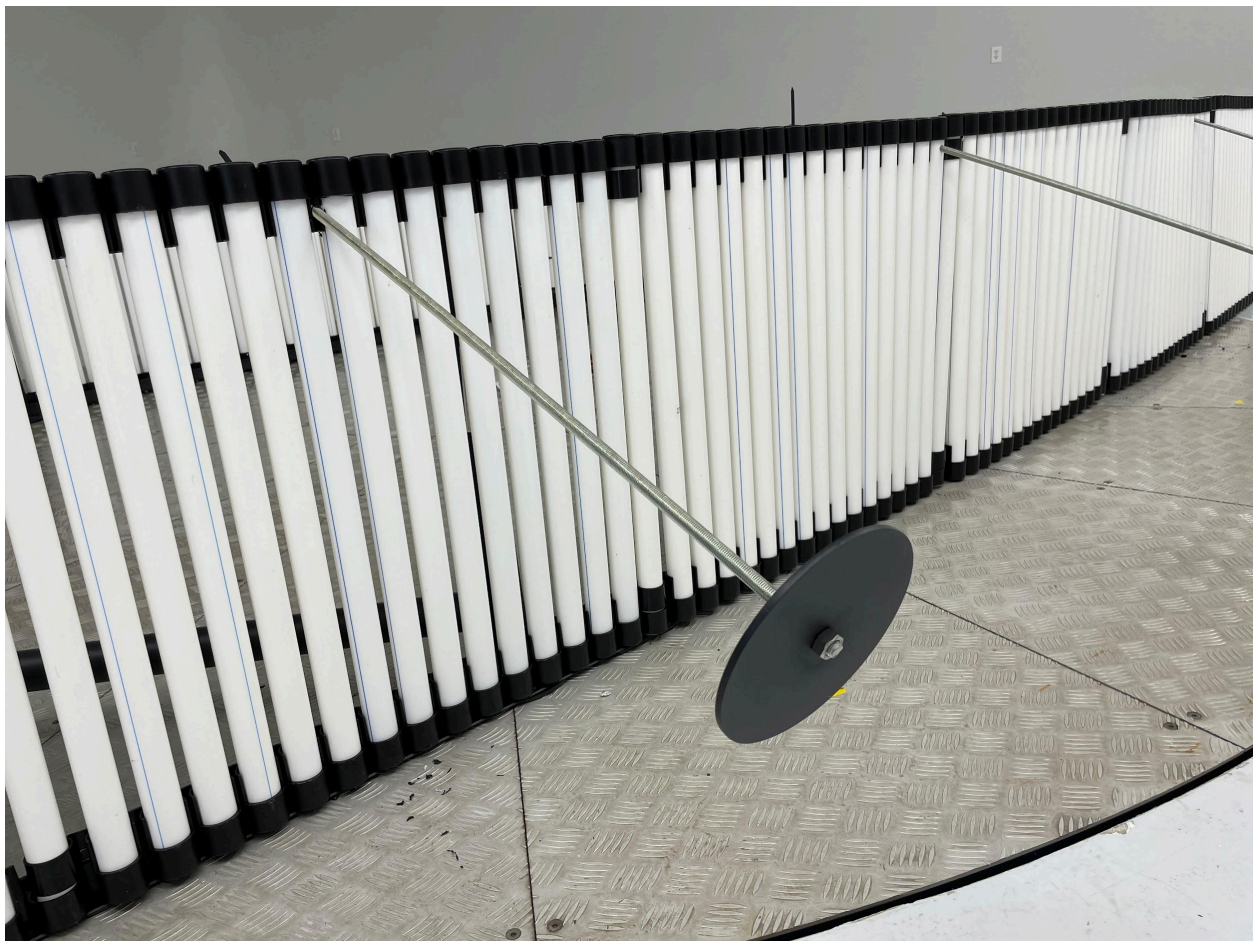
Note for Rectangle or square trampolines: Straight sides of a trampoline frame will flex inward as a person jumps on the trampoline. This flexing action can cause the yard dirt to gradually shift inward and over time press

tighter and tighter on the retention wall and frame. This can cause the springs to have less tension and jump performance may be compromised.

To alleviate this from happening, we recommend installing “Dead men” anchors on all trampolines with straight sides. (Round will not be a problem).

Dead men can be made of 36” of $\frac{1}{2}$ ” all-thread and 8” round plates at $\frac{3}{8}$ ” thick.

Installed as shown:



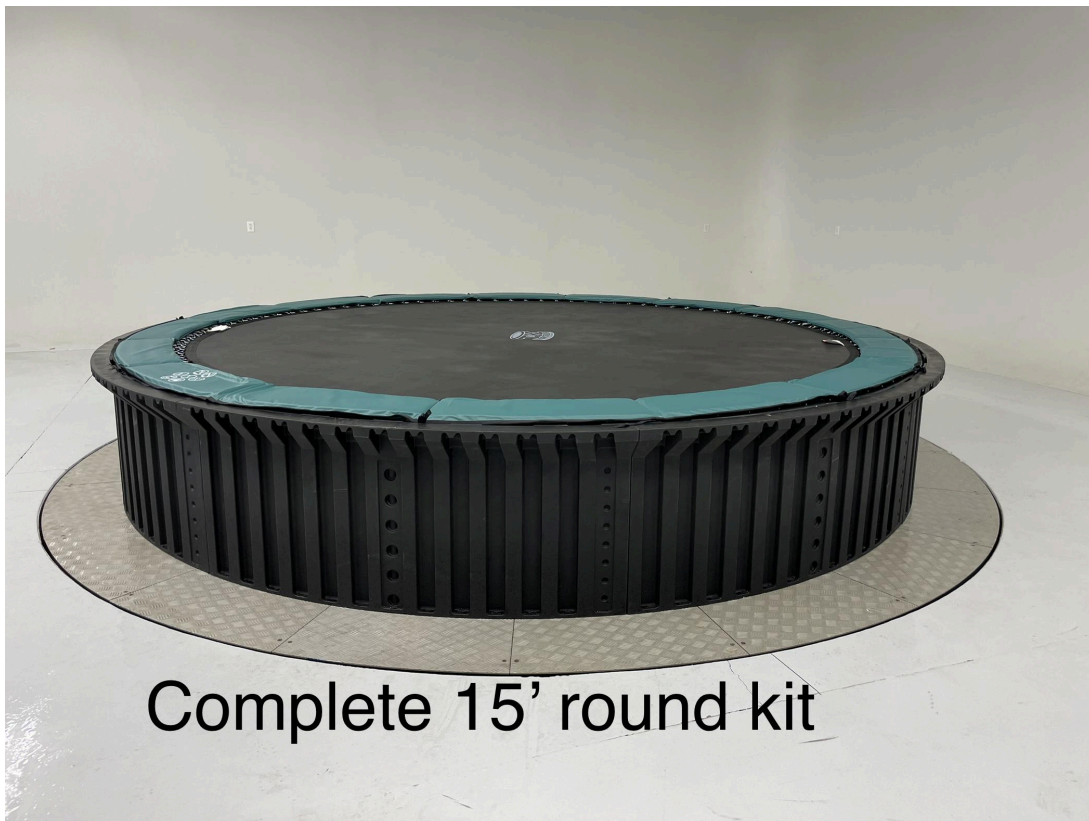




After installing the dead men anchors at about 30 degree slope, be sure to compact them in tight. This will keep your frame and walls from flexing inward.

TrampKit.Com LLC offers 3 main options for inground trampolines.

15' round kit with a patented retention wall system that has a 3" mow edge and integrated performance venting. The retention walls for this system will only work with our trampoline. It is not universal like the Cap strip universal system. This kit was specifically designed for inground use with features to help it maintain strong performance. Our pads do not have the flip over skirting that would get in the way of a retention wall when put in the ground. It is extremely easy to assemble and install. Parts are in stock and readily available as needed.



Complete 15' round kit



10x17 Rectangle Kit. This kit uses our universal retention wall system but the frame was specifically designed to work with our retention walls. The legs are already the correct length and it comes with a lower alignment rail to set the retention wall panels on. It also comes with the dead men anchors. Our pads do not have the flip over skirting that would get in the way of a retention wall when put in the ground. This kit greatly simplifies the installation process.





Universal retention wall panels: These panels will work with any shape or size trampoline so you can install your own trampoline in the ground. Be aware that all trampolines are made differently and you will need to do some type of adjustments or adaptations to finalize the install. This retention wall system is extremely strong when installed correctly. It will not rust, corrode or rot. It will not flex or cave in over time.





Whichever option you choose, there is a lot of expense and time involved. If you are using your own trampoline, make sure it is high quality, in great shape, and you can easily get parts for it. Don't try to save a few hundred dollars with a used low quality trampoline. It's just not worth it.