



## HOW TO UNINSTALL THE HAND-OPERATED SIMPLE PUMP

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## SECTION 1: CRITICAL RECOMMENDATIONS

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1. If you are a homeowner, **you must have a helper** for this process, and for reinstalling.
2. We recommend you view the installation video for an overview, before using these instructions. Even though the video is the reverse of this document (i.e. it is the installation), the visual image will still help... <http://www.simplepump.com/support/installation-videos/>
3. Read each section carefully before proceeding. Follow instructions step by step.
4. Pay particular attention to anything marked \*\*\*.
5. The following instructions should tell you everything you need to know. If you have questions, please phone 775-265-1220.

## SECTION 2: TOOLS REQUIRED

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- (1) SIM073 installation safety tool.
  - (1) Allen wrench set (English, not metric. 1/4", 3/16", 5/32")
  - (2) Channel locks: to grip 1 3/4" outer diameter PVC pipe
  - (2) Vise grips
- Optional: (1) T-handle Assist Tool. Recommended if you have 8 or more drop pipe units.  
(If you don't have this safety tool or a T-handle, you can purchase by phoning 877.492.8711 ext4.).

**Safety tool**



**T-Handle**



## SECTION 3: DO IT YOURSELF, OR CALL A PROFESSIONAL?

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**First, you need to first determine the SimplePUMP configuration... standard or pitless.**

**IF YOUR SIMPLE PUMP DELIVERS WATER OUT THE NOZZLE AT THE TOP OF THE PUMP, YOU HAVE A STANDARD CONFIGURATION**

With a standard configuration, a homeowner can uninstall the pump, as long as it's not very far down.

**\*\*\* STRONGLY RECOMMENDED:** Whatever your water level, two people should install and uninstall the SimplePUMP.

**\*\*\* STRONGLY RECOMMENDED #2:** If your water level is deeper than about 130 feet, we recommend a professional do the work. Each length of drop pipe is about 5 lbs. So at 200 feet water level, you would have to handle 130 lbs.

**We can't of course determine what weight you and your helper will be able to handle safely.**

## IF YOUR PUMP DELIVERS WATER UNDERGROUND... NO WATER COMING OUT THE TOP... YOU HAVE A PITLESS CONFIGURATION

With a pitless configuration, we strongly recommend having a professional install or uninstall the pump. Specific knowledge and tools are needed to do this safely.

## SECTION 4: REMOVE HANDLE AND PUMP HEAD

**Lay all parts on a clean tarp or old sheet.**

**\*\*\* WARNING:** Do NOT leave the fiberglass rods or pvc pipe in direct, summer sun for any appreciable length of time.

### DETACH THE BRACKET AND HANDLE

Using an Allen wrench, unthread the four cap screw that hold the bracket.

Hold the  $\frac{3}{4}$  inch stainless pump rod as shown. Unthread the handle.

**\*\*\* The threads are left-hand threads -- you LOOSEN them by going CLOCKWISE, NOT the usual counter-clockwise. \*\*\***

Unthread the handle completely.



### REMOVE THE RISER TUBE AND PUMP ROD

**\*\*\* One person must have the pump securely held.**

This might be by hand, or with a strap, or a winch assembly.

**\*\*\* Using an "L" allen wrench, loosen the three mounting bolts on the split flange FIRST. Then loosen the pinch bolt.**

Lift the pump up until the first drop pipe joint is a few inches above the split flange.

Slide the safety tool into position, as shown.

Lower the pump until it is resting on the safety tool.



## Variations on drop pipe

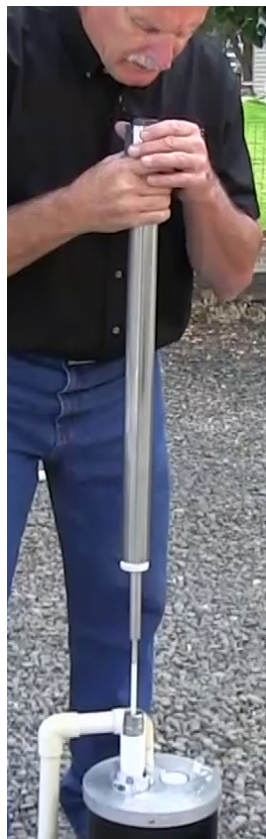
The bell-end type of pipe is shown. There are three types you could have, as below. The procedure is exactly the same for all.



### Unthread the riser tube.

To loosen you might hold the pipe by hand, or, more likely, you'll need two channel locks (not shown).

Then lift the riser tube up off the pump rod.

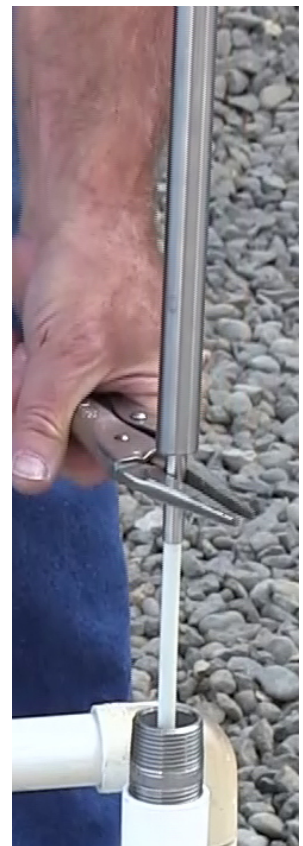


Grip the bottom sucker rod as shown (below)

**Unthread the 3/4 inch stainless pump rod** from the top sucker rod.

There are flats at the top of the pump rod that you can use to get a grip on the rod.

You can leave the stainless steel threaded connector on the end of the drop pipe.





## SECTION 5: DROP PIPES, LIFT RODS AND PUMP CYLINDER

### OPTIONAL: USING THE T-HANDLE FOR 8 OR MORE 9-FOOT DROP PIPE KITS

SimplePUMP recommends the T-Handle Assist Tool when:

- The installation requires 8 or more 9-foot drop pipe kits.
- Or if the person doing the installation has any concerns about being able to hold onto the weight of a lesser number of drop pipe kits.

#### HOW TO USE

The downward-facing 1" male threads on the T-Handle are threaded into the upward-facing 1" female coupler end on the drop pipe.

The T-Handle provides a safe grip area for the raising and lowering the drop pipe string.

--- end of optional section ---



### REMOVE THE FIRST DROP PIPE AND LIFT ROD

From resting on the safety tool, lift the drop pipe string until the next joint is coming through the split flange. Two people should do this together, hand over hand or using the T-handle as above.

When the joint is coming through, one person secures the pipe while the other removes the safety tool.

Then lift a few more inches, put the safety tool back, and carefully lower the pipe until that next coupler is resting on the safety tool.

As shown on the right, unthread the the drop pipe ends.

The helper should hold the drop pipe to keep it vertical.



Letting the lift rod bend, remove the drop pipe.



Use your vice grips and/or channel locks to unthread the first lift rod.

Your helper can hold the lift rod vertically as you work.



### Remove rod guides and keep separately.

The rod guide is just inside the open end, as shown. To make sure you don't lose any, please remove these as you go and keep separately in a small container or ziploc bag.



**Continue as above until all drop pipes and lift rods have been uninstalled.**

## REMOVE THE LAST DROP PIPE AND PUMP CYLINDER

When you remove the last drop pipe, you will have a 10.5-foot long assembly that includes that bottommost (9-foot) drop pipe, and the 18-inch-long pump cylinder.

Unthread the drop pipe, and unthread the last lift rod.



## END OF UNINSTALLING THE PUMP

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## TO REPLACE THE SEALS AND ROD GLAND

Read online: [simplepump.com/support/documents/maintenance1/](http://simplepump.com/support/documents/maintenance1/)

Or download a PDF: [simplepump.com/wp-content/uploads/2018/02/Maintenance.pdf](http://simplepump.com/wp-content/uploads/2018/02/Maintenance.pdf)

## TO REINSTALL THE PUMP

### **DO NOT USE THIS DOCUMENT IN REVERSE**

Use the **FULL INSTALLATION INSTRUCTIONS**, which are much more detailed. They contain many detailed points you must pay attention to when **INSTALLING**, but not when uninstalling.

If you don't have those instructions, you can

Read online: [simplepump.com/support/documents/simplepump-hand-pump-install1/](http://simplepump.com/support/documents/simplepump-hand-pump-install1/)

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