



# Bush Pump Above Grade Riser Pipe Replacement

Use this guide to replace the above grade riser pipe, or remove it for repair.

Written By: Jake Devincenzi



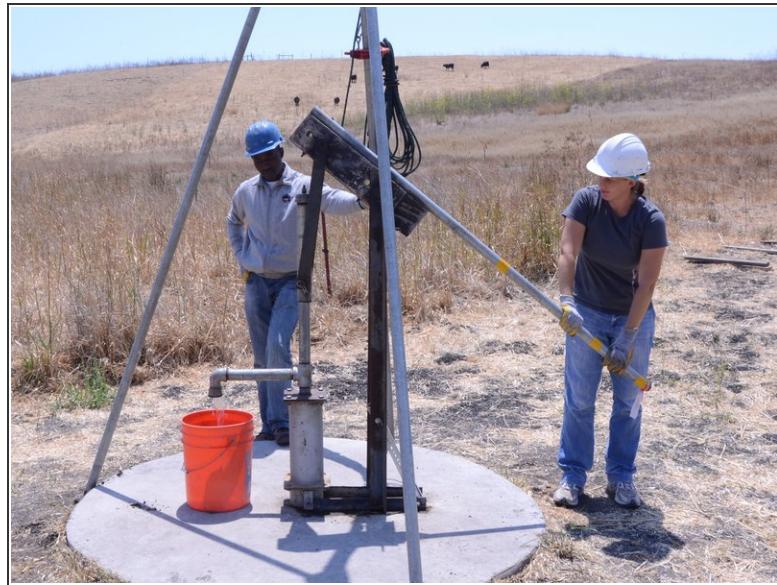
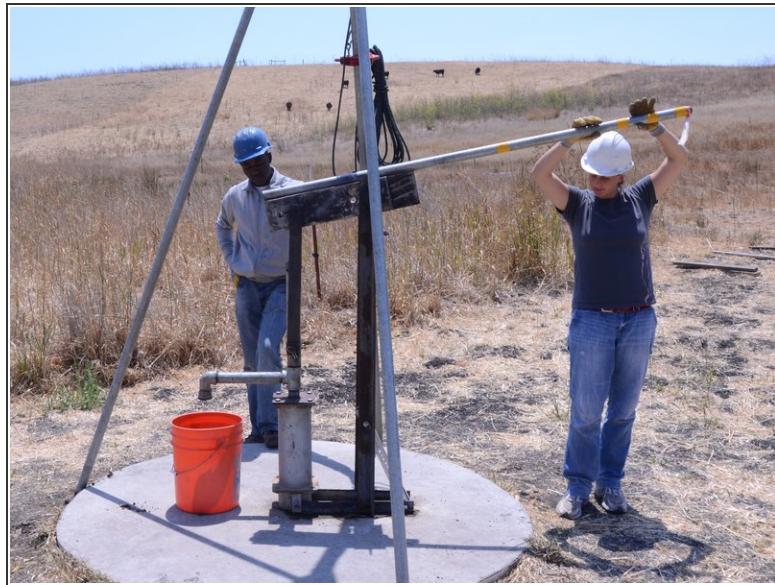
## INTRODUCTION

This guide will walk you through the procedure to remove the above grade riser pipe. You can then replace it with a new one, or perform any necessary repairs on it.

### TOOLS:

- [Pipe Wrench](#) (1)
- [T-Handle](#) (1)

## Step 1 — Head and Handle



- Test pump performance by pumping 40 strokes.
- ☒ An effective pump should return at least 10 liters.

## Step 2



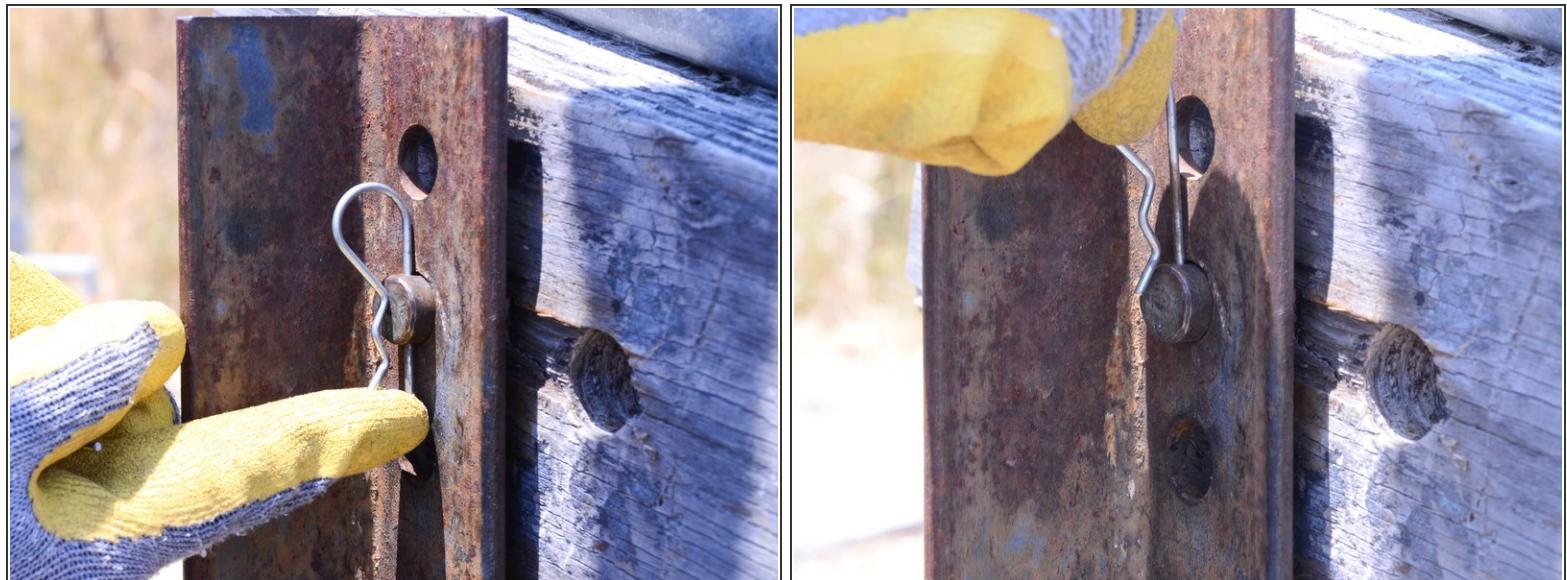
- Remove the two pins connecting the handle to the slider.

## Step 3



- Pull the two lever arms away from the slider.

## Step 4



- Lift the two pins attaching the pump frame to the head and handle up, off of the pump frame.

## Step 5



- ① Throughout this step, make sure you support the handle and head with at least three hands.
  - Slide the bearing rod out of the head.
- ② Inspect the bearing rod and head for any wear or tear.

## Step 6



- Remove the head and handle, and place them on a clean surface to prevent contamination.

## Step 7 — Riser Main Slider



- Firmly lift the riser main slider with two hands.

 Use caution not to drop the riser main, as this can damage the pump cylinder.

## Step 8



- Use a pipe wrench to fully loosen the above grade riser pipe.

## Step 9



- Lift the slider and riser main pipe.
- Place a pump rod clamp around the rod, and tighten it securely against the pump rod.
- Carefully lower the riser main and slider to allow it to rest on the rod clamp.

## Step 10



- Loosen and remove both the pump rod jam nut and pump rod nut on the top of the slider.

## Step 11



- Remove the riser main slider, and inspect it for wear and tear.
- Set the slider in a sanitary place to prevent contamination.

## Step 12 — Above Grade Riser Pipe



- Remove the above grade riser pipe.
- Firmly screw a T-handle onto the pump rod.

*(i)* If you are replacing the above ground riser main, leave the T-handle attached until you are ready to install the replacement part.

To reassemble your device, follow these instructions in reverse order.