



## Assembly & Tool Care

All tools have been assembled and checked prior to shipping. See assembly video at: <http://www.theuprooter.com/tool-features/assembly-and-maintenance/>

### Preparing to Assemble

1. Tools required for assembly:  
**Needle-nose pliers**
2. Assemble indoors to avoid misplacing cotter pins.

### Hardware & Supplies

Hardware & supplies per tool included (Figure A). Remove from attached bag:

**1 x long clevis pin**  
**2 x cotter pins**

**1 x short clevis pin**  
**1 x packet of grease**

### Instructions

1. Set base of the tool on a flat surface, open jaws, and flip the connecting bar back.
2. Grease clevis pins, holes, outer 3 faces of sliding arm (DO NOT grease inside face of sliding arm), and moving parts at lever arm connecting points.
3. Place lever arm over the back end of the base, align the holes.
4. Place short clevis pin through bottom aligned holes. Slide cotter pin through hole in clevis pin (Figure B). Use needle-nose pliers to bend tails of cotter pin outward (Figure D).
5. Place long clevis pin through connecting bar and top aligned holes. Slide cotter pin through hole in clevis pin (Figure C). Bend cotter pin (Figure D).

### Set Screw Adjustment or Removal for Uprooter (not included on Mini)

The original Uprooter features a mechanism that locks the jaws open to ease the process of placing them around a stem. This mechanism can be adjusted using the set screw. It should be set to a tension that allows the user to lift the tool up with the jaws remaining open, but easily be able to close the jaws when needed. If for any reason it is preferred to operate the Uprooter without this feature, simply use a hex head screwdriver or hex key to remove the set screw as well as the ball and spring behind the set screw. Store these parts for future use (See Figures E & F).

### To Disassemble

1. Bend cotter pin tails inward.
2. Remove cotter pins from clevis pins.
3. Remove clevis pins from holes connecting the lever arm and base.
4. Lift lever arm from base.

### Maintenance

To improve the functioning and life of the Uprooter:

- **Clean After Each Use** - Use a pointed object (stick, screwdriver, etc.) to loosen clumped dirt. Rinse off remaining soil and it's ready to be stored.
- **Lubricate** - Lightly grease moving parts, especially during initial use and in wet climates.

Visit [TheUprooter.com](http://TheUprooter.com) or Contact Us at (541) 226-9872



Figure A

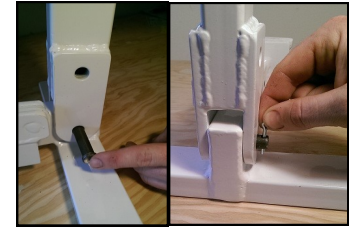


Figure B

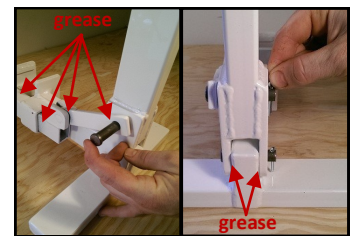


Figure C



Figure D



Figure E



Figure F



## Tool Operation & Guarantee

Please read the safety tips, operation instructions, & guarantee prior to operating the Uprooter. Suggestions for troubleshooting and handling varied conditions and situations can be found under Tips & Tool Care on the Uprooter website ([TheUprooter.com](http://TheUprooter.com)).

### Safety Rules

1. **Look and Know What's Behind You**—View the area behind you and make sure there are no sharp objects or dangerous changes in terrain. Prepare for the fall in the case a root breaks or an uneven jaw placement slips off.
2. **Watch Your Fingers**—Keep your fingers out of the jaws as well as any moving or mechanical parts to avoid crushing and pinching fingers.
3. **Be Courteous of Others**—Watch for others nearby when using or carrying the Uprooter. It's best to carry the tool with the base behind you and the long lever arm in front.
4. **Always Use**—Eye Protection & Gloves

### Basic Operation

#### Placing the Jaws

Open the jaws until you feel them lock open. Place the jaws around the stem and disengage the lock by putting your foot on the top of the lifting arm behind the jaw and pulling back on the grip handle. Continue to stabilize the tool with your foot while clamping the jaws to ensure a solid grip.

#### Uprooting the Plant

Once the jaws are clamped on, pull down firmly on the lever arm. If the plant seems to be uprooting easily, just keep pulling. If it feels more difficult, pull and release repeatedly as though pumping on the lever arm. You may hear a “pop” sound underground indicating the tap root has snapped. Other tools may be used to loosen the surface soil if needed.

#### Effect of Root Systems & Soil Conditions

Uprooter is best suited to remove shallow-rooted plants. Plants with intertwining root systems or deep, strong tap roots may be difficult to pull and could reduce the maximum diameter that the Uprooter is capable of pulling. Plants with root systems growing near or beneath concrete, stone, or other hard surfaces may effect the tool's capacity and/or ability to successfully remove the plant. Try to loosen and clear soil or remove rocks and stone wherever possible to improve operation. Dry or rocky soil conditions may also effect the capacity and application of the Uprooter. Other tools such as a mattock or pick axe may be used along side the Uprooter to improve the removal process. Exercise caution where root and soil conditions are unfavorable.

### Uprooter Guarantee

The Uprooter is 100% guaranteed for function, materials, and workmanship for a period of 1 year from the date your Uprooter is shipped. **Please call us in advance if:**

- You are uncertain if the Uprooter is appropriate for the job. We can assist in determining its effectiveness.
- Uprooter is not effective for your job. You may be able to return it in new condition and receive a refund of the purchase price.
- You want to return your Uprooter due to a manufacturing defect. We will pay the return shipping for the part in question (base or lever arm), repair or replace it, and return it to you for free. Otherwise, shipping charges for return transactions are the responsibility of the customer.

*If the tool is used improperly, it can lead to bending and permanent damage of parts.* Our guarantee excludes damage incurred by improper usage.

### Follow These Rules to Prevent Damage

- **Do Not Pull Sideways**—Uprooter is designed to pull straight back and should be pulled only at this angle.
- **Single-Person Operation Only**—Uprooter is designed to operate under the force of one person. Using a team to pull on the lever can bend and permanently damage the lever arm.
- **No Cheating**—The use of a cheater pipe or other equipment to increase leverage may bend handle or pins.
- **Keep Fulcrum Flat on the Ground**—Fulcrum must be flat when pulling to prevent damage to the fulcrum.