

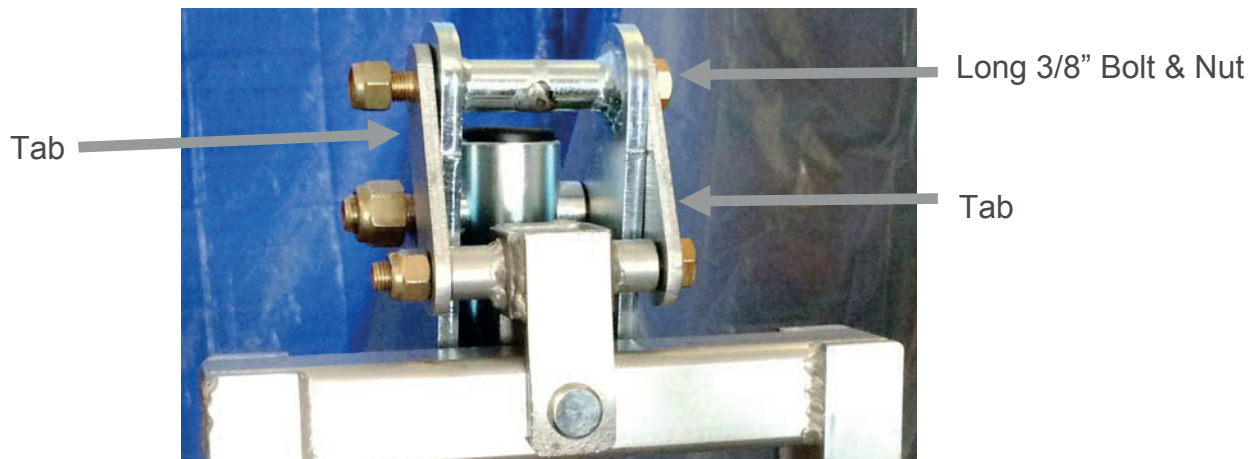
JACKJAW 313 LOAD CELL STAKE EXTRACTOR ASSEMBLY INSTRUCTIONS

Tools Required: Two 3/4" wrenches. Two 9/16" wrenches
Your finished assembly should look like the photo on the right.

1. Open the boxes and move the contents to a work bench or the floor with the central post standing on base.
2. Rotate the Mount/Slide Block Assembly around the post so that the jaws are facing outward, away from the base.
3. Place the lever arm over top of the post, and insert the 1/2" (large fat) bolt through the side of the lever arm and through the pivot pushing of the post.



4. Start the 1/2" nut onto threads of pivot bolt with fingers. Use two 3/4" wrenches to tighten the nut onto the bolt until snug. Lever arm should pivot up and down freely.
5. Put lever arm over your shoulder (or have someone lift the lever arm) while lifting the load cell mount up to the front of the lever arm. Rotate the tabs up to the front bushing of the lever arm, placing one tab on each side of the lever arm. Insert long 3/8" bolt through the tab, lever arm front bushing and opposite tab. See photo below.



6. Place the washer on the threaded side of the bolt. Start the 3/8" nut with fingers onto the bolt. Using two 9/16" wrenches, tighten the nut to the bolt until snug up against the washer. Then, back off the nut a 1/2" turn. The lever arm and load cell mount should move freely when lifting the lever arm.
7. Remove the Transport Link and store the link in the case for the EDJr-1T load cell.
8. Remove the EDJr-1T load cell from its case. Insert the batteries as shown in the enclosed quick start brochure.
9. Place the top ring of the load cell in the upper left side of load cell mount. Insert the 1/2" clevis pin through mount and load cell as shown below. Immediately insert the clip pin to lock the clevis pin in mount.

Clevis Pin



10. Swing the lower link arm to the bottom of the load cell. Insert the second (skinny one) clevis pin through the link arm and lower Load cell hole. Insert clip to lock lower clevis pin in link arm.

Assembled unit back view.



Clip pin

You are now ready to test the holding power of stakes. See the operating instructions on the next page.

JackjawStake Tester Operating Instructions

Now that your JJ0313 or JJ0513 is assembled you are ready to test some stakes.



1. Go to the proposed site for the tent, and drive four to eight test stakes into the job site. Drive stakes all the way down, as you would intend to use them to hold down your tent.
2. Record the location of the test stakes on your site plan.
3. Turn the electronic display of the JJ0313/JJ0513 "on" and make sure that the load is zero.
4. Set the base of the JJ0513 close to the stake and make sure that the shaft of the puller is pointing the same direction as that of the test stake.
5. Grab on to the test stake with the Jaws of the JJ0513. Using a steady, slowly increasing pressure on the lever arm, push the handle down slowly while watching the display.
6. Record the highest value that you see. Double the reading from the scale and write this number on the stake on your test plan.
7. Repeat this procedure for each test stake.
8. Change your staking plan for the proposed job as needed to insure that you have enough holding power for each stake line.

NOTE: The force that is shown on the SCALE readout is only half of the force that the stake is holding into the ground. You must double the scale readings to get the actual holding force of the stake.

The EDJr-1T Digital Scale, used on the Model JJ0313 and JJ0513 is designed to read up to 2500 lbs. This will allow you to get stake readings of up to 2200lbs accurately.

Operating Tip: Since the tent ropes or straps for your tent apply a force to the stakes at an angle of 30-45 degrees off vertical, the real holding power of the stakes should be significantly (15-20%) higher than the force required to pull the stakes straight out of the ground.