

PATRIOT

Stubble Crusher Installation Instruction Guide (Recommended two (or more) man job)

Step 1: Remove weight bracket if there is one.

Step 2: Attach stubble crusher undercarriage bracket.

Step 3: Re-attach weight bracket as shown below.



Step 4: Attach both the left and right side Height Adjustment Bar (Item 4) using provided u-bolts and nuts. Begin with bottom of the Height Adjustment Bar at 21" from ground.

Once the bars are set, you may want to re-adjust them later to fit, so leave them loose enough to make it easier to adjust, yet tight enough to hold.



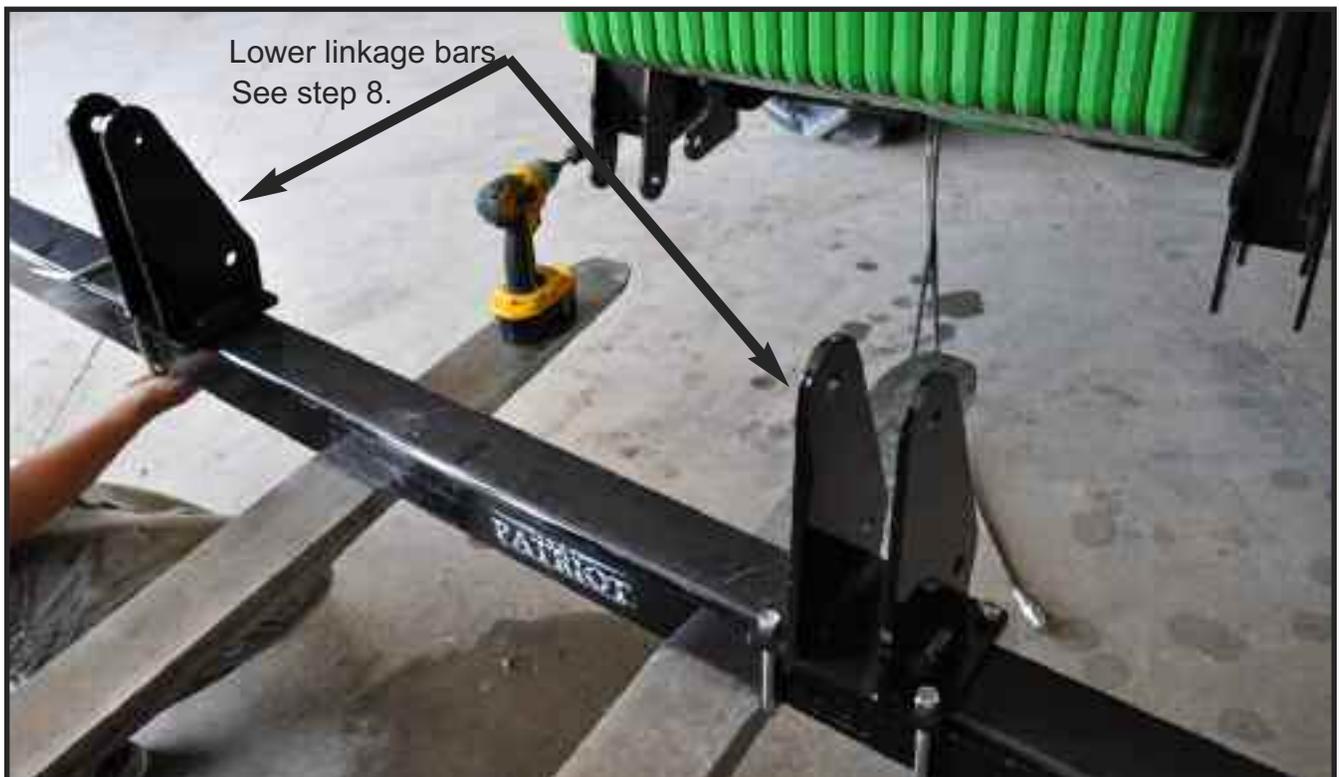
Step 5: Connect upper linkage bars (14) together using 3/4" x 4" Bolt Spacer Tube (11).



Step 6: Bolt linkage bars to height adjustment bars and attach Lower Linkage Arm (13) to Height Adjustment Bar (4).



Step 7: Place Tool Bar (15) in front of tractor. Measure to find and mark the center. Measure distance between each height adjustment bar and note. Align square tube center with middle distance between height adjustment bars.



Step 8: Loosely attach lower linkage bars (7) to Tool Bar using u-bolts.



Note: Depending on the make and model of your tractor, and the configuration of your weights, the hydraulic hoses will need to be attached from the inside or outside direction from the undercarriage bracket to the hydraulic cylinder. You may also need to modify your hoses with elbow joints in order to best attach your hydraulic hoses to the hydraulic cylinders.



Step 9: Attach hydraulic cylinder with 1" x 5 1/2" bolts to lower linkage arm (13).



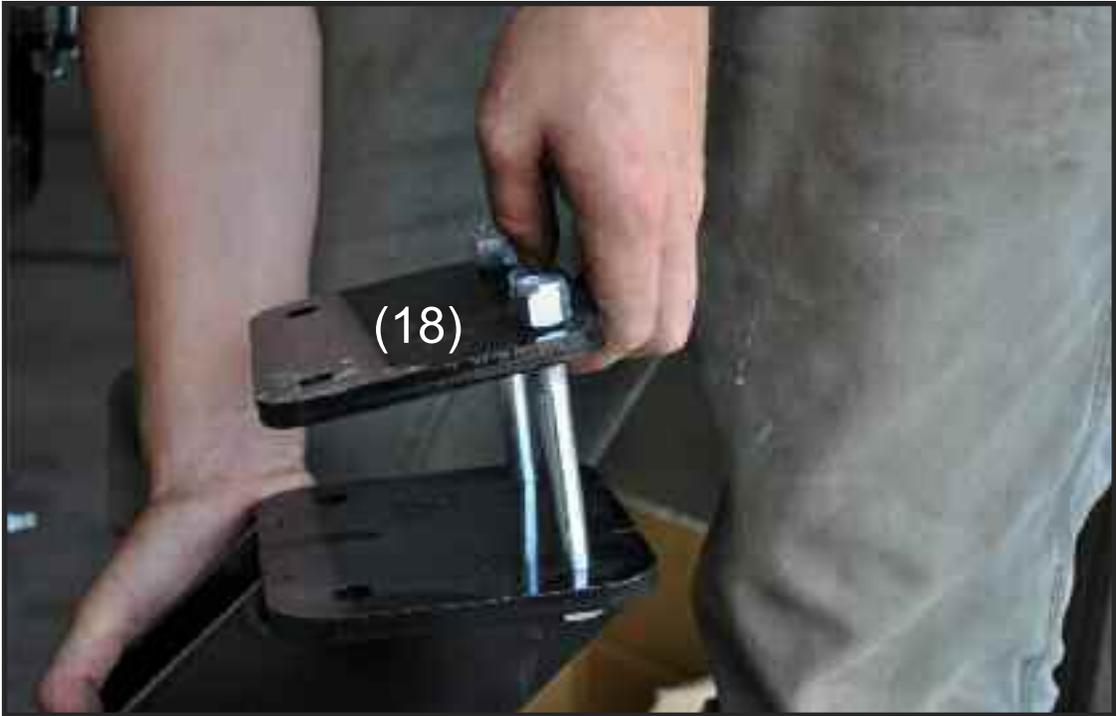
Step 11: Align lower linkage bar (7) with bottom bolt hole of lower linkage arm (13) and attach.



Step 12: Attach torsion springs (17) to tool bar (15), making sure they are aligned with the tractor tires.



Step 13: Place two bolts in front bolt holes on torsion shoe attachment plates (18).



Attach torsion shoes to torsion springs as shown below.



Step 14: Bolt two rear bolts to torsion shoe attachment plates as shown below.



Note: The height of your tool bar (15) may vary depending on the height of your tractor's front end. (Bar height examples below).



Note: Stubble Crusher shoes do NOT need to reach all the way to the ground in order to knock over corn stalks or stubble. Increased wear on shoes may occur if shoes are set too low.

