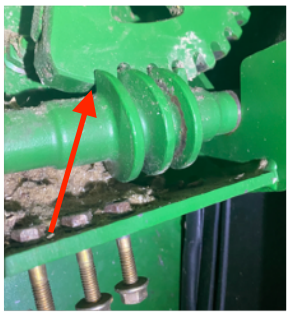
XPR3 ESTES CONCAVES | XPR2 ESTES CONCAVES

Estes Concaves Leveling



01 ZERO THRESHING CLEARANCE

Set concaves to 0 in the cab. Make sure worm gear for concave adjustment is bottomed out to the slotted bracket. If not bottomed, adjust hanger bolts.

02 CHECK Z-BAR BOLTS

Remove all horizontal / angled Z-bar bolts. Do NOT remove the vertical / top Z-bar bolts. Tighten each vertical / top Z-bar bolt to ensure they are tight (these bolts draw the concave up to the Z-bar) Once the vertical / top Z-bar bolts are double-checked for tightness, reinsert the horizontal / angled Z-bar bolts and tighten.

03 LEVEL CONCAVES

Loosen z-bar safety stop bolts. Count down 5 bars (on LH side) on CONCAVE #1, then insert a ¼" or 6mm Allen key between the rotor element (red line) and top of notch on 5th bar. You should be able to barely slide the Allen key from front to back on the bar while threshing element is aligned with it. (you may have to rotate rotor around by hand to line up rotor element to the 5th bar.)

Then, on the 5th bar of CONCAVE #3, insert an ⅛" or 3mm Allen key between rotor element and top of notch of 5th bar.

In order to get these measurements, adjust the front and rear linkage arms (you might have to go back and forth between adjustment arms a few times). If you can't get ¼" Allen on concave #1 and ⅛" Allen on concave #3, then make sure that CONCAVE #3 is CLOSER to the rotor element than concave #1 (anywhere from 1/4" to 1/32" closer).

04 CYCLE CONCAVES & CALIBRATE

Once level, cycle the concaves fully open and fully closed 2-3 times to ensure the full range is achievable. The full open position should be ~44-57mm, depending on the model. Fully close the concave to 0mm, ensure the worm gear is bottomed out. Locate the 'Re-Calibrate Threshing Clearance' on the display or corner post, and follow the procedure. After the recalibration is complete, fully open the concave to check the maximum setting for your machine, then fully close it again to verify it returns to 0mm, confirming the calibration was successful.

05 RE-CHECK LEVEL - CONCAVE #1

After cycling the concaves, re-check the level. On the 5th bar of Concave #1, use a 1/4" or 6mm Allen key (or the size you previously used) and verify that it can slide from front to back along the concave bar and rotor bar. If it doesn't slide, you'll need to slightly open the concave by adjusting the i-bolt and jam nuts.

06 RE-CHECK LEVEL - CONCAVE #3

Repeat step 5 on Concave #3 using a 1/8" or 3mm Allen key (or the size you previously used). Once you've confirmed that Concave #3 is closer (by 1/4" to 1/32") than Concave #1, tighten all jam nuts and set the Z-bar safety stop bolts.

Important: Take note what Allen you used on concave #3 (concave closest to element) i.e. if you used a ⅛" or 3mm, then 0mm in the cab is actually 3mm. So 20mm in cab is actually at 23mm, etc. Remember this when setting crops.