Ultra-Chisel

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Models Affected: 6321UC, 6323UC, 6327UC, 6329UC, 6330UC, 6332UC, 6536UC, 6538UC, 6542UC, 6544UC

General Information

Proper servicing and adjustment is the key to the long life of all farm equipment. With careful and systematic inspection of equipment, costly maintenance, time and repair can be avoided. The following information will assist with recommended servicing and adjustments:
Unfolding The Implement:

1) Be aware of the vertical and horizontal clearances needed to unfold the implement.
2) Remove the transport wing pins and store them in their designated spots.
3) Put the track in Park and slowly begin to unfold the implement while watching for any signs of leaks or loose fittings.
4) Continue unfolding until both wings are fully extended and level on the ground.
5) Set the tractor remote to Neutral to lock the wings.

Folding The Implement:

1) Move the implement to level ground and be aware of the vertical clearance needed to fold the implement.
2) Put the track in park and slowly begin to fold the wings.
3) Continue folding until the wings rest within the transport nests.
4) Install the transport wing pins before transport the implement.

Center And Wing Leveling: Leveling of the machine should be done on a smooth level surface. Lower the implement so that the sweeps on the center frame are 1-2” off the ground.

Wing Leveling:

1) Set the 3-section and 5-section inner and outer wings to match the depth of the center section. This can be done by adjusting the rear wing turnbuckle on (1) each wing.
2) Loosen the jam nut (2) and begin adjusting the turnbuckle (1). Lengthen the turnbuckle tube to run deeper and shorten the turnbuckle to run shallower.
3) Tighten the jam nut (2) back against the turnbuckle tube to hold the adjustments in place. Note: In some conditions the wings will need to be set slightly lower than the center section, as the center section may ten to run deeper behind the tractor tires.

Center And Wing Gauge Wheel Adjustments:

1) Loosen the jam nut (3) and adjust the turnbuckle (4) on the gauge wheels to level it from front to back. Lengthen the turnbuckle to bring the front up or shorten the turnbuckle to bring the front down.
2) Level the machine with the front row shanks just slightly deeper or lower than the back.
3) Re-tighten the jam nut (3) back against the turnbuckle.
**Hydraulic Depth Stop:** The hydraulic depth stop will maintain constant depth every time the implement is raised and lowered. Adjust the per the following:

1) Simply screw the depth stop handle in to run the implement shallower. Unscrewing the depth stop handle will allow for the implement to run deeper. One full turn of the depth stop handle is equivalent to 1/4” of working depth. **Note:** If after setting the depth stop, the detent on the tractor kicks out before the stop contacts the button of the depth stop, slow the tractor hydraulic flow down. Do not adjust the rebound valve without first contacting the factory service representative.

**Rear Attachment Settings**

**Spike Drag Settings:** On the spike drag, start with 5 links hanging from the chain in drag arm bottom slot. (This is a starting point for worst conditions). The cleaner the ground, the shorter the pull chain may be pulled up.

On the spike drag, one of the links in the first row of angles is turned over to allow the trash to start flowing through the drag easier. **Note:** Make sure that the drag is never pulling off of the hang chains, if so, shorten the pull chains.

**Heavy Coil Tine Settings:** The factory setting will have the spring pre-set at 3-3 1/2” of bolt left to adjust. To adjust the down pressure:

1) Loosen the jam nut (5) and screw the spring bolt (6) in to apply more down pressure on the drag, or adjust the bolt out to apply less down pressure.

2) Re-tighten the jam nut (5) to secure all adjustments.

3) To change the angle of the coil tine, rotate the locking pin (7) and move the adjustment lever (8) forward or backwards. Moving the lever towards the rear of the machine makes the drag more aggressive while moving the lever towards the front of the machine will allow residue to flow through easier.

The adjustment lever has four positions and will change the coil tines several degrees.

4) Rotate the locking pin (7) back to its engaged position when the desired angle is achieved.

**Reel Settings:** If a reel is added to the back of the Ultra-Chisel, adjust the amount of down pressure by either shortening the springs for less pressure or lengthening them for more pressure: