



Kelly Tillage System Field Finish Adjustments

See operators manual for detail on height adjustments. These slides are intended to help troubleshoot uneven field finish.

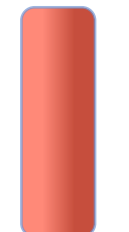
In principal, if there is a ridge created, the leading disc in line with that ridge is the culprit.

For furrows, the trailing disc in line with the furrow will be the culprit.

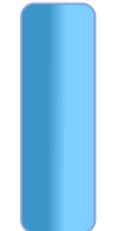
Almost always the solution is to raise the swivel at that point.

Ridge to the right of centre

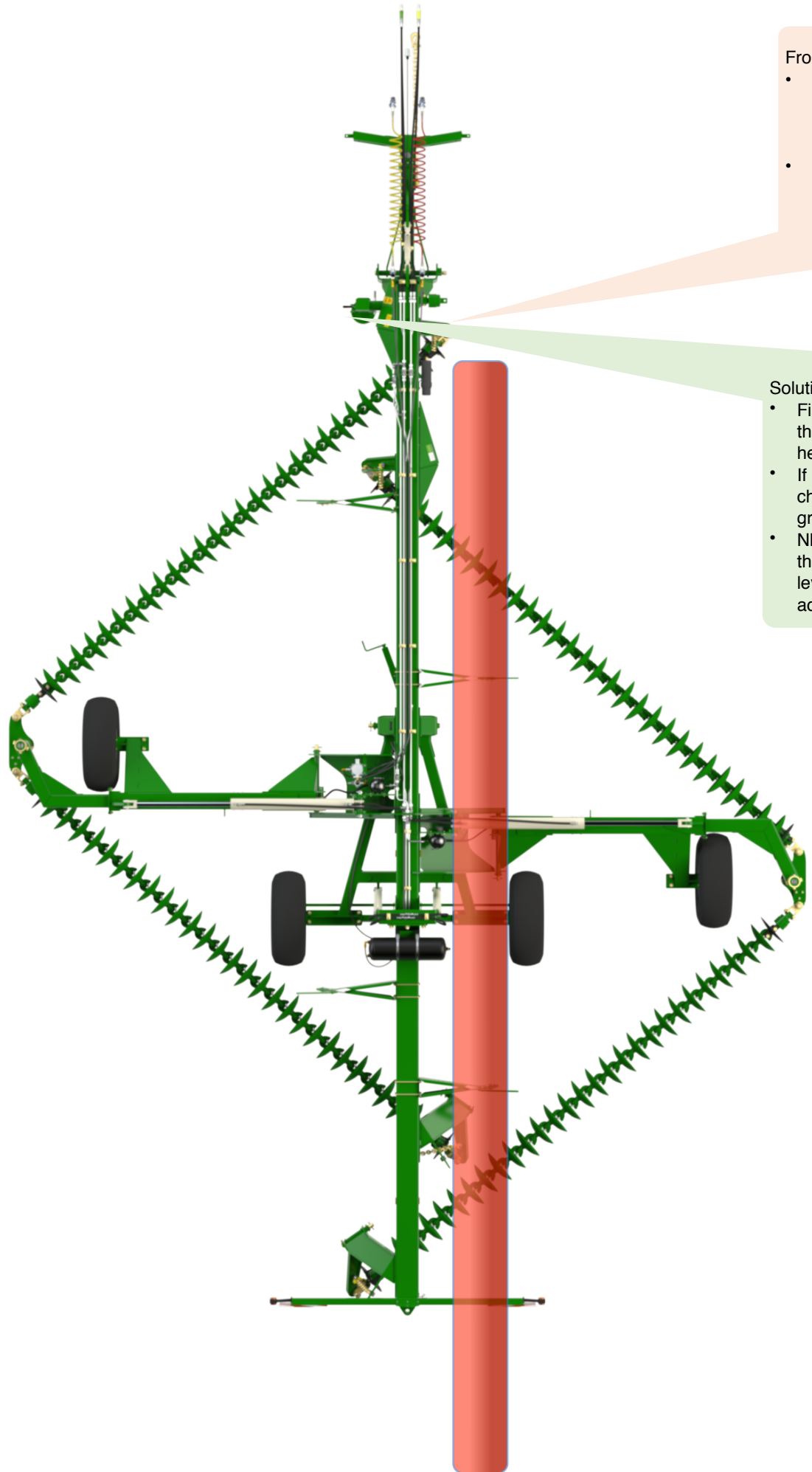
Furrow to right of centre



Ridge



Furrow

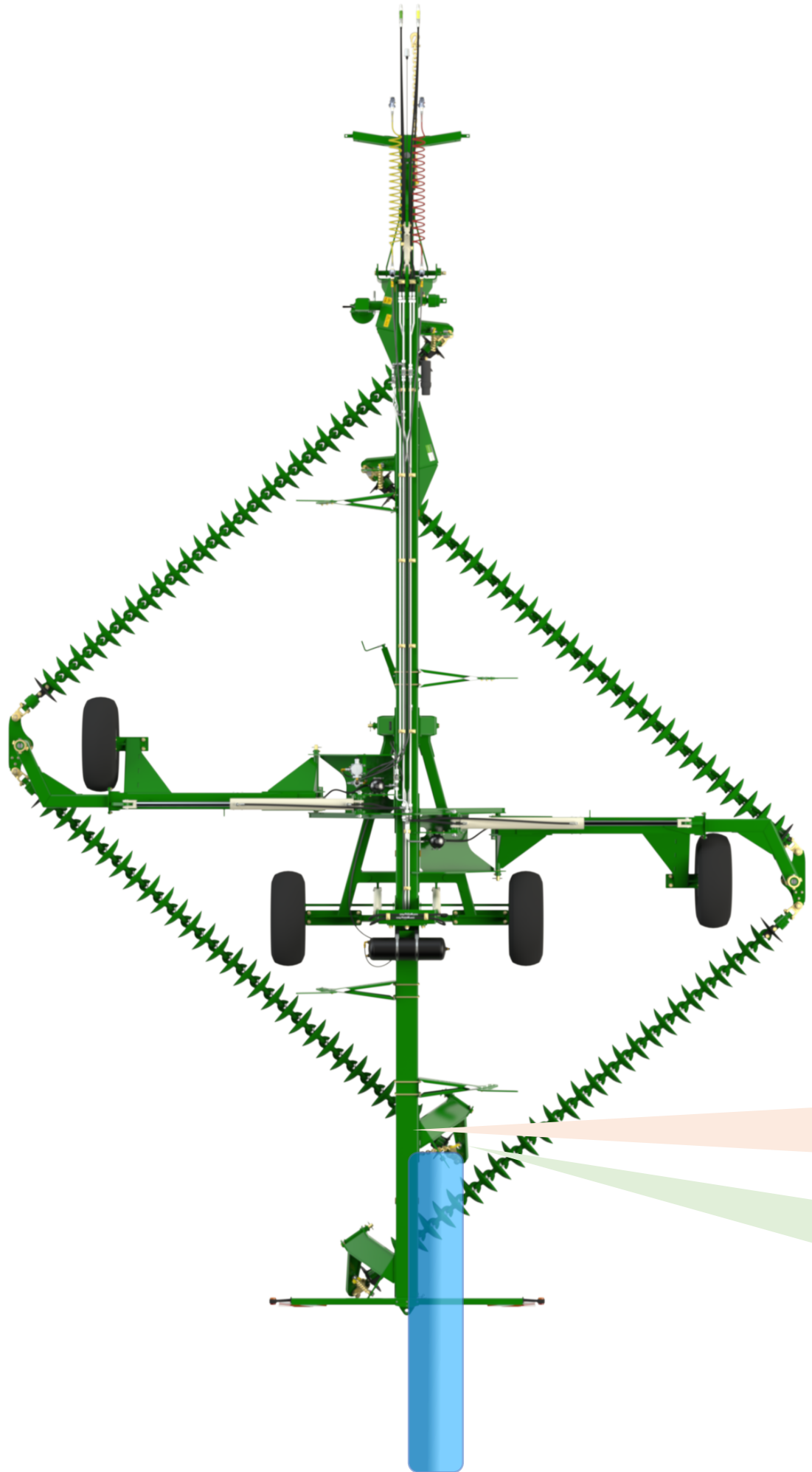


Front left gang too low.

- leading edge at front of chain gang can create ridges if set too low.
- In this instance the Swivel is set too low and will throw soil to the right of centre.

Solution

- Firstly ensure the main frame is parallel to the soil surface, correcting the drawbar height for adjustment.
- If needed, also raise swivel height adjusting chain links until the first disc just skims the ground.
- NB changing the drawbar height will effect the rear of the machine also. It is critical to level the main frame before making further adjustments.



Rear of left rear gang is too low.

- The trailing edge of chains can create furrows.
- The rear should counteract the slight ridging from the front gang. Balancing the effect is managed by adjusting either rear only or both front and rear swivel heights.

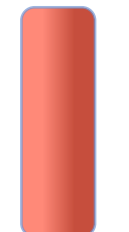
Solution

- Ensure main frame beam is parallel to the soil surface.
- Raise swivel height adjusting chain links until end disc just skims the ground.
- Further fine tuning may be required.

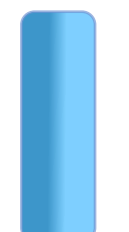


Ridge to the left of centre

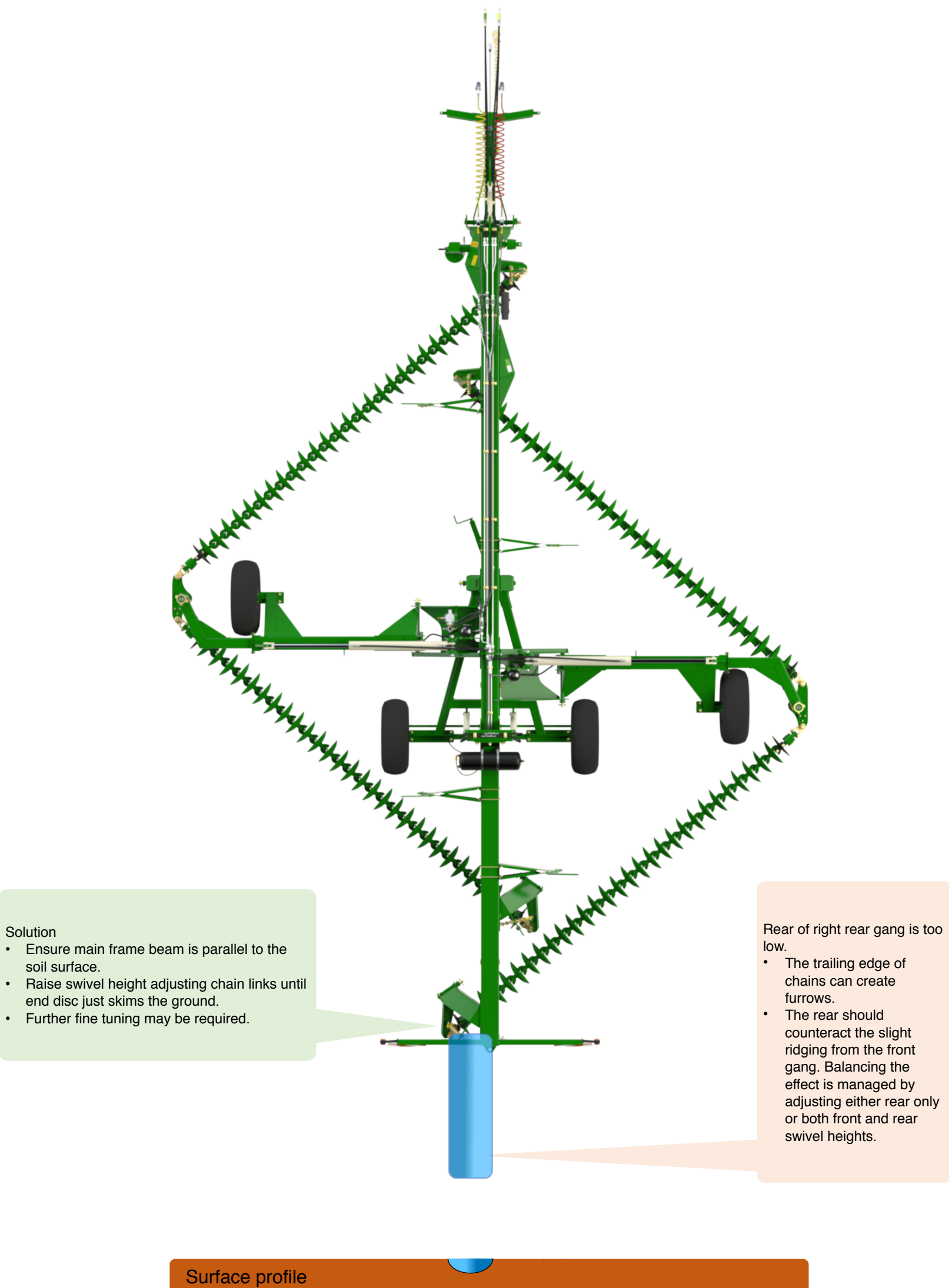
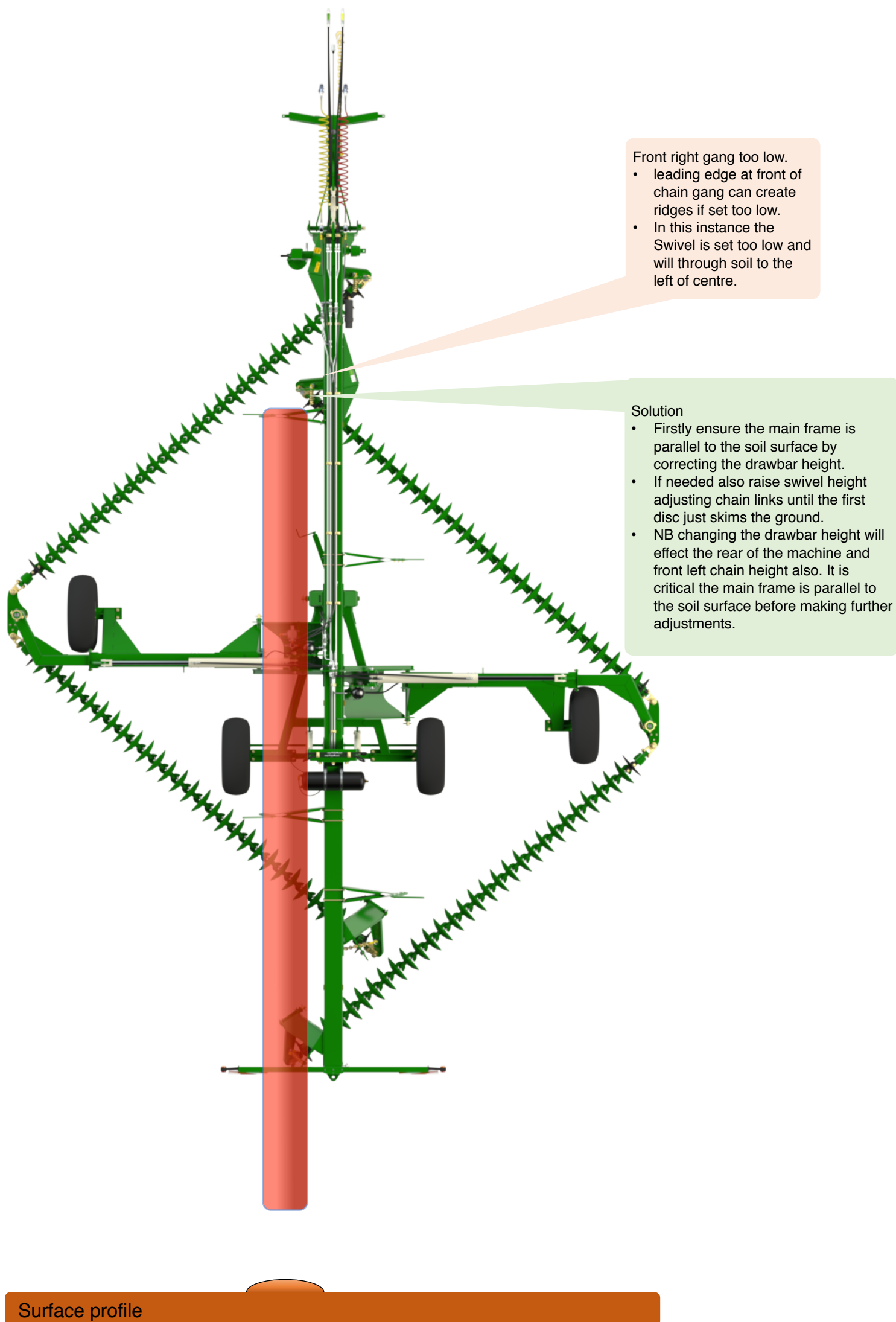
Furrow to left of centre



Ridge



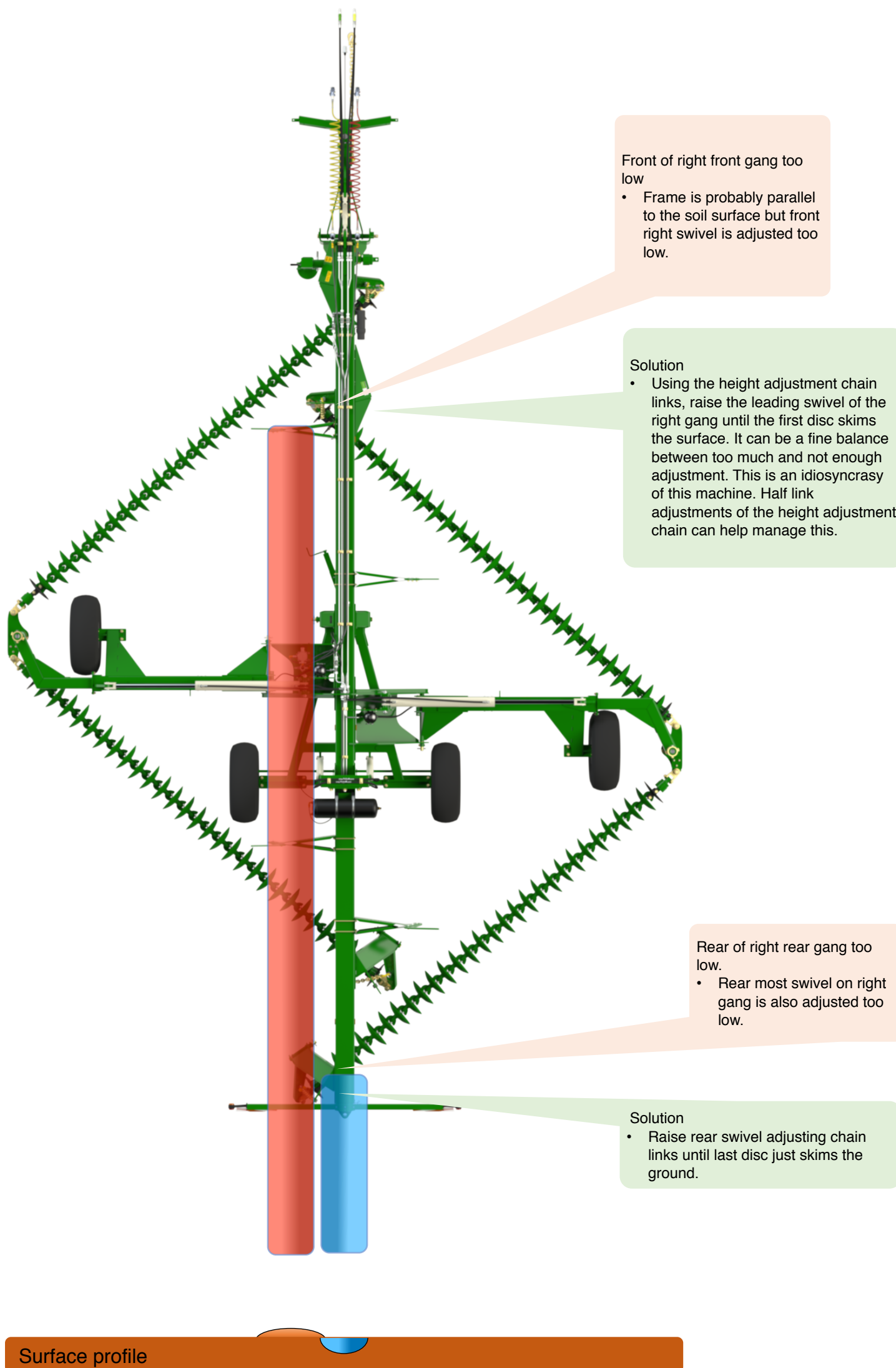
Furrow



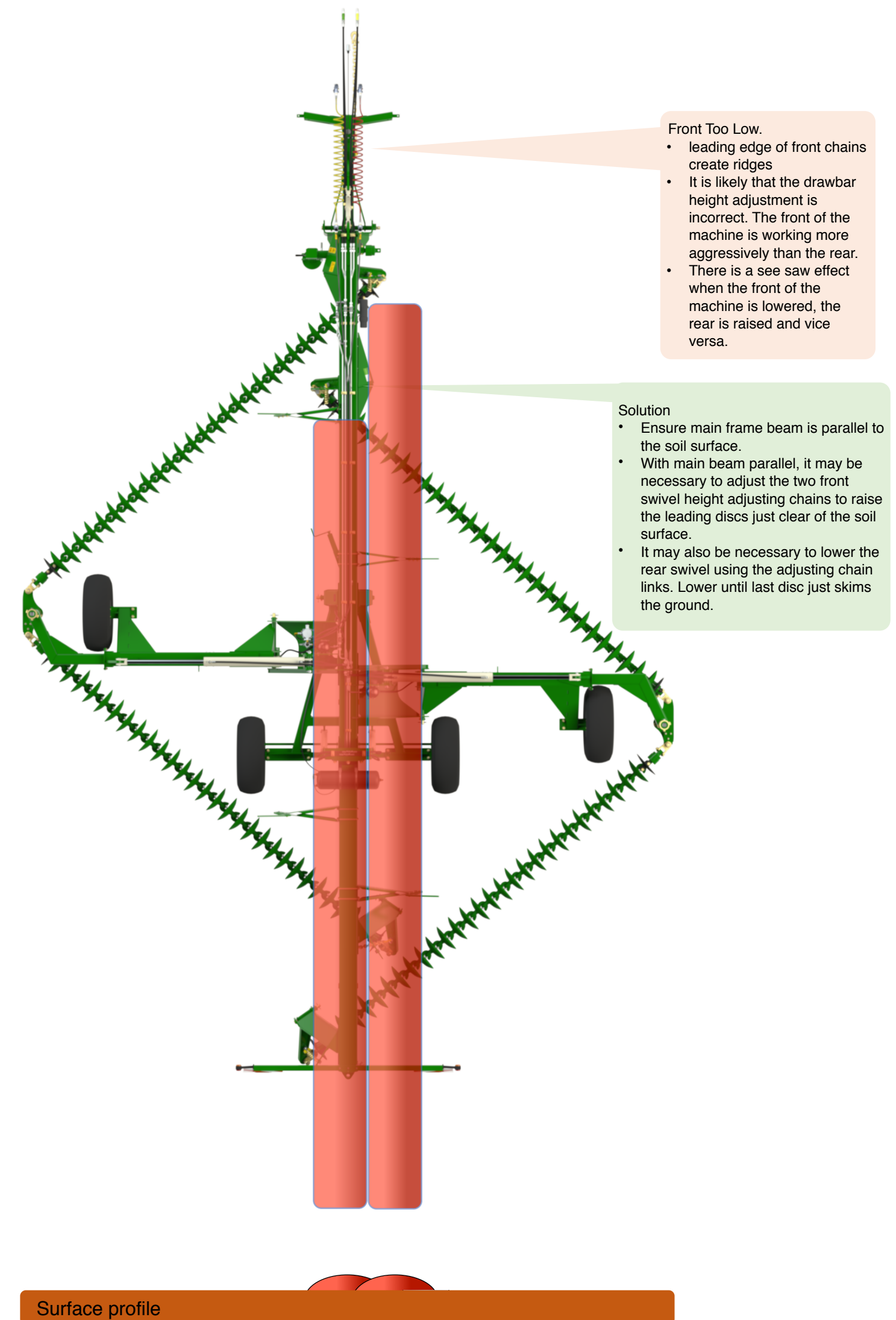
Ridge to the left with furrow in centre

Ridge

Furrow

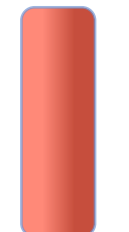


Broad ridge through centre

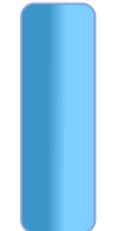


Ridge to the right with furrow in centre

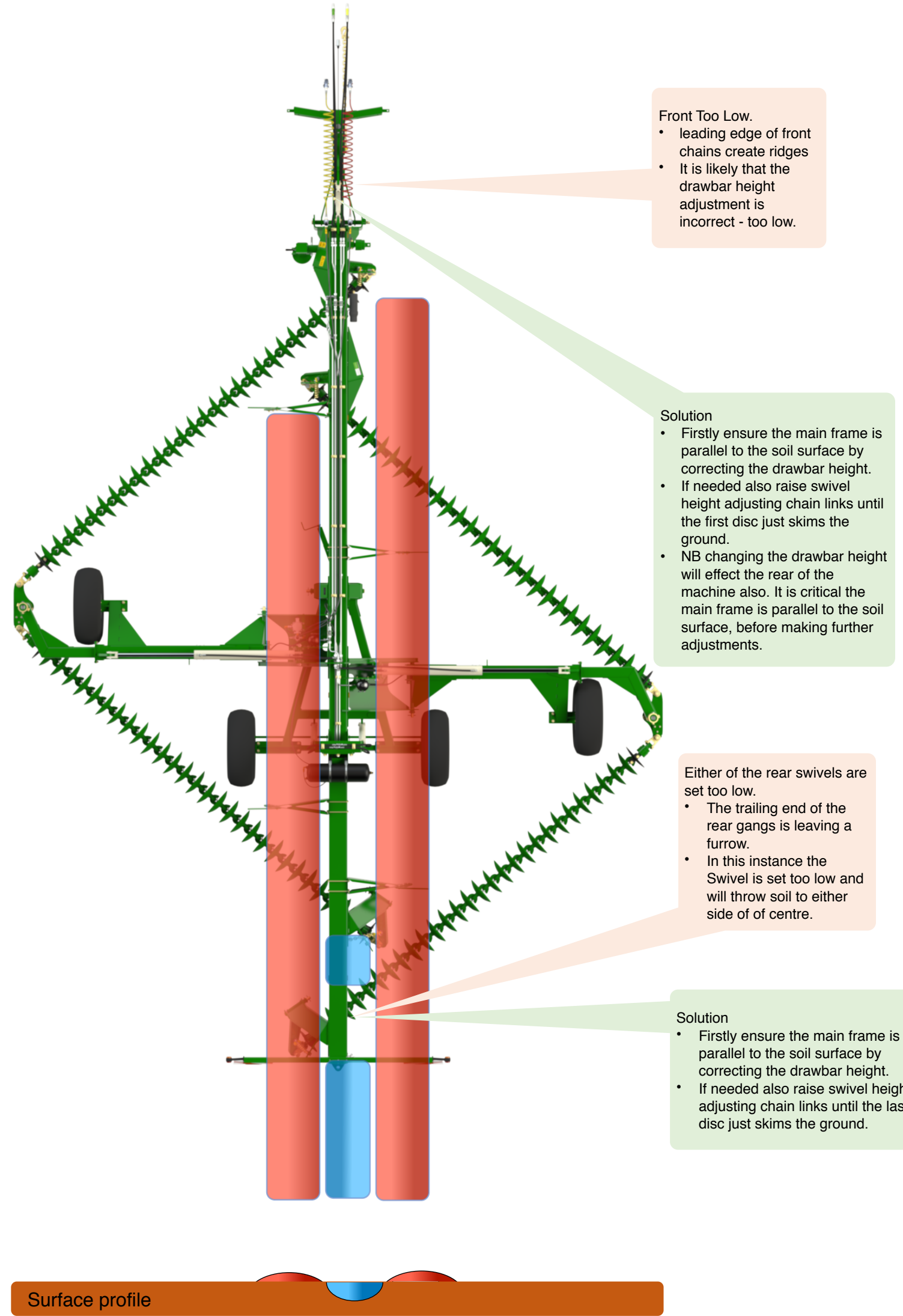
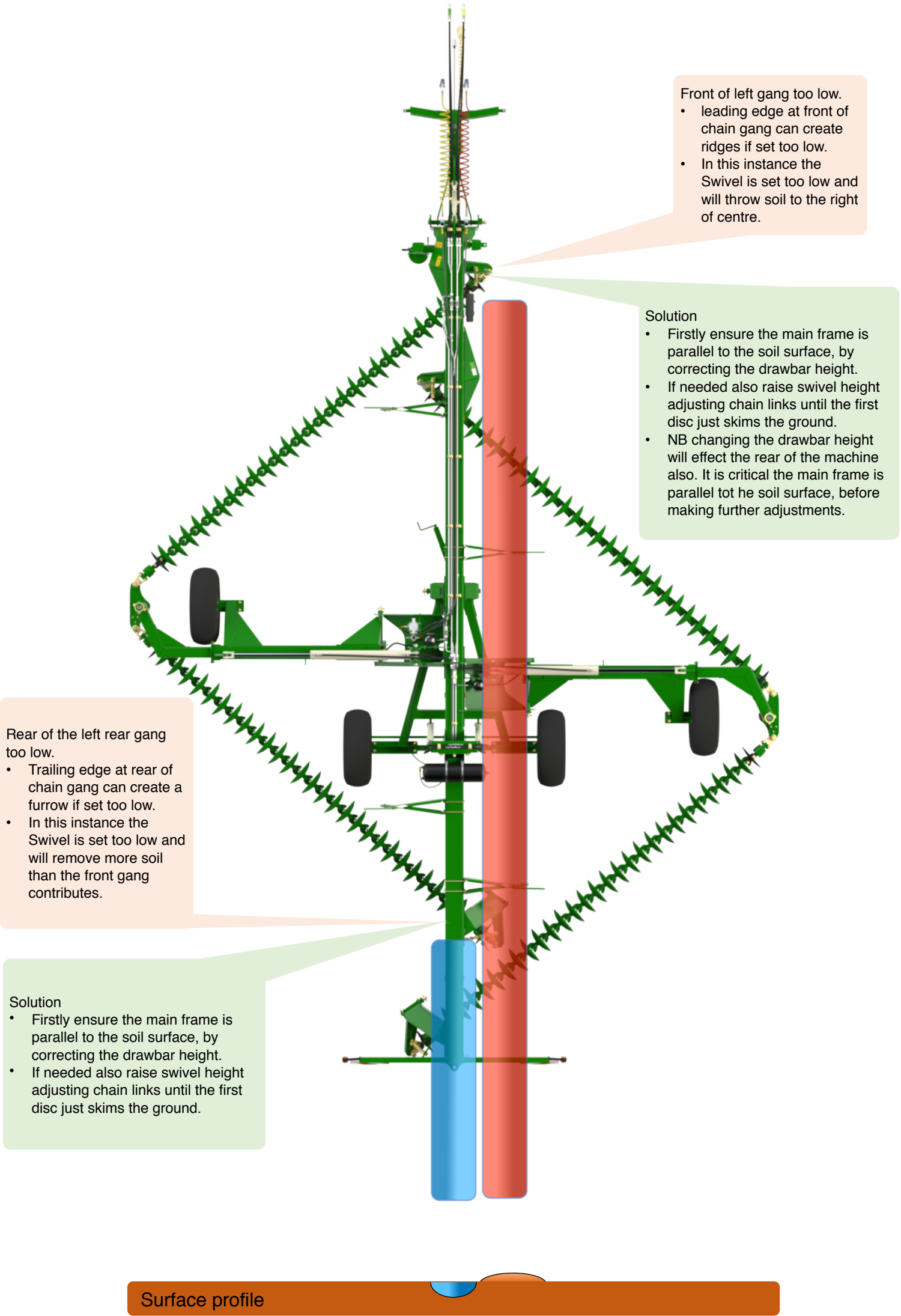
Ridge either side of hollow centre



Ridge

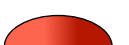
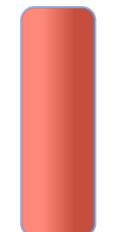


Furrow

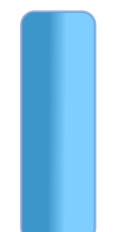


Ridge at either edge of the pass

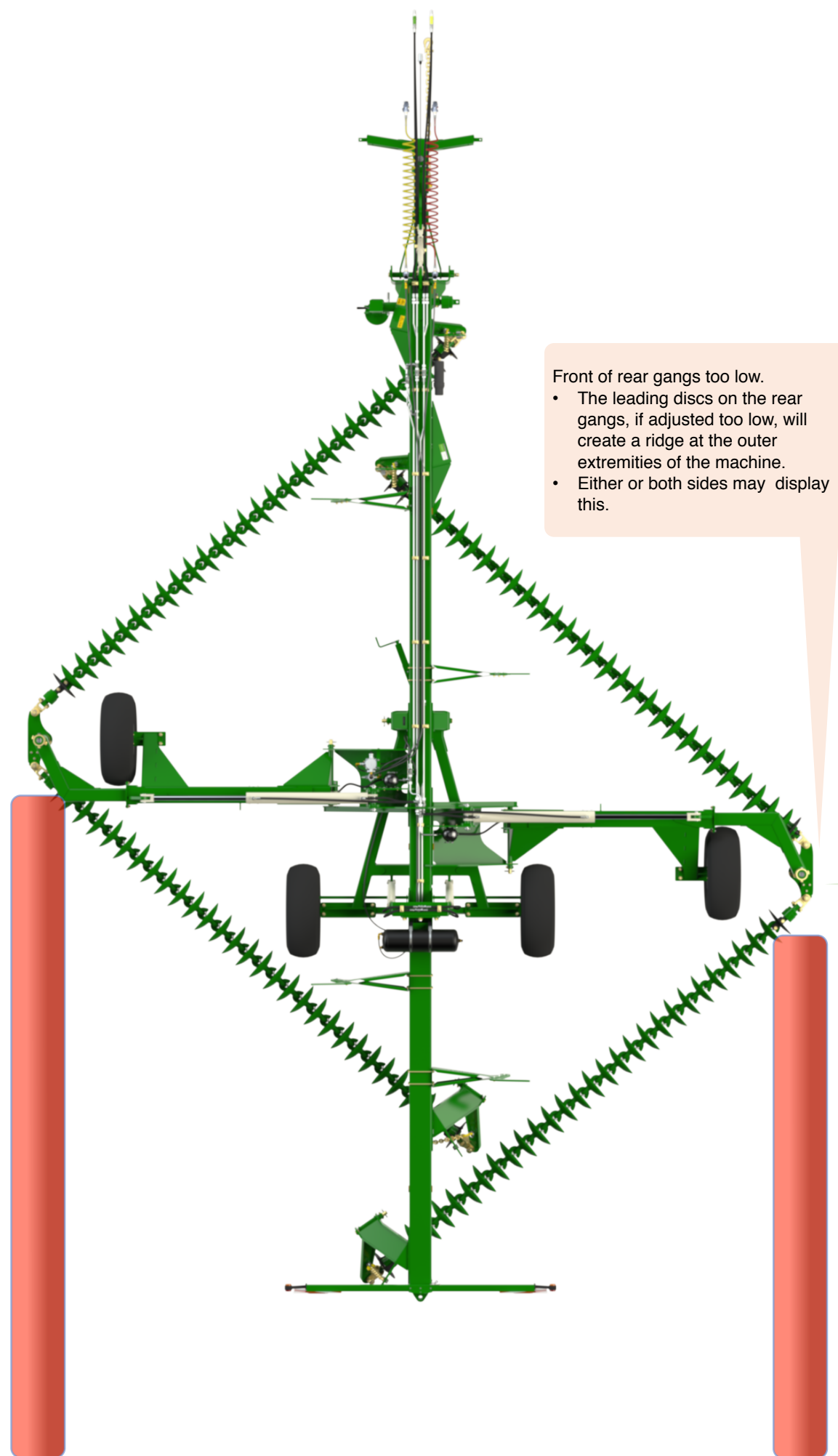
Furrow at either edge of the pass



Ridge



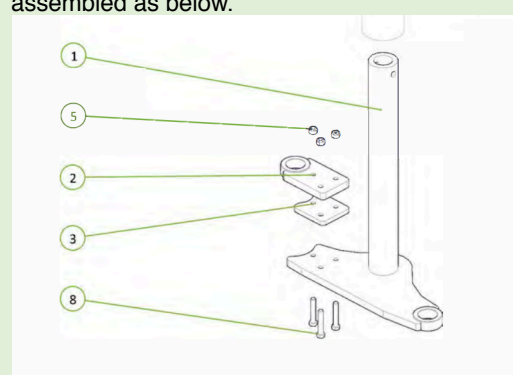
Furrow



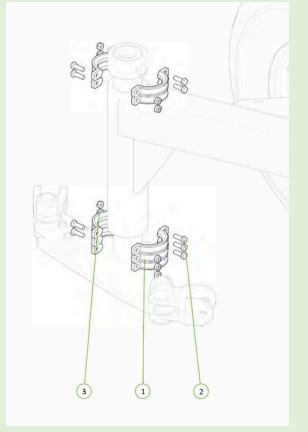
Front of rear gangs too low.
 • The leading discs on the rear gangs, if adjusted too low, will create a ridge at the outer extremities of the machine.
 • Either or both sides may display this.

Solution

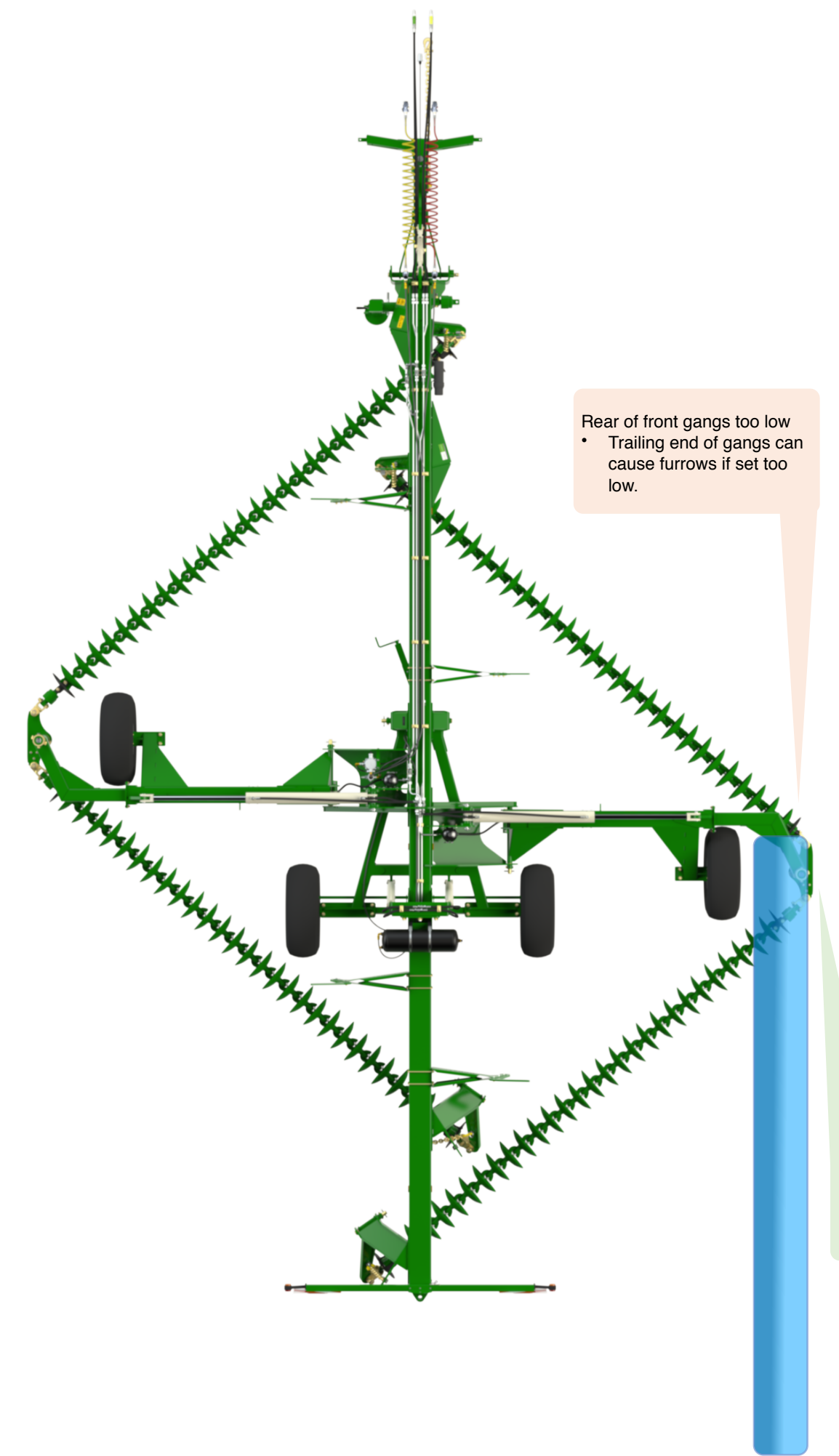
- Raise swivels at rear of inverted T balancing arm.
- The rear swivel mount should be set 32mm above the forward swivel. Ensure the mount is assembled as below.



- Raise the whole T assembly by removing spacer clamps from the bottom and reinstalling them at the top.



Surface profile



Rear of front gangs too low
 • Trailing end of gangs can cause furrows if set too low.

Solution

- Raise the inverted T balancing arm to lift the swivel at the rear of the front gang.
- Check wing wheel air pressure is correct.

Surface profile