

# Small Grains W&T Crop Conversion

Serial Number 102000 And Higher



**JOHN DEERE**



# Platform Setup

## REMEMBER:

Adjust the auger and auger finger according to the crop.



Check distance between intake auger and strippers.

Strippers adjusted like DTAC 76721 (600R) & DTAC 104058 (700X).



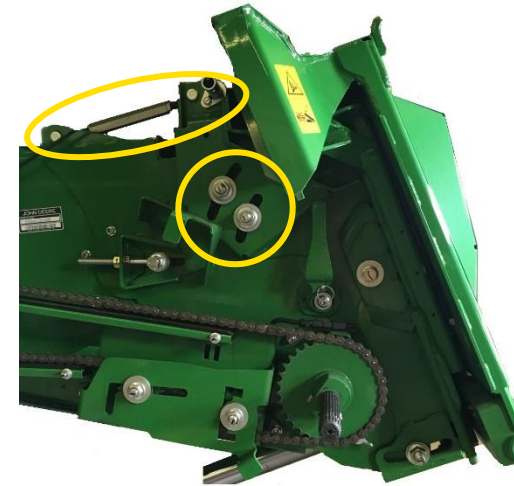
# Platform Setup

## Feeder House Angle:

The Feeder House angle needs to be set so that it is flat or slightly forward. This will allow you to pick up down crop without pushing earth.

You can adjust the angle with the threaded bar on the Feeder House.

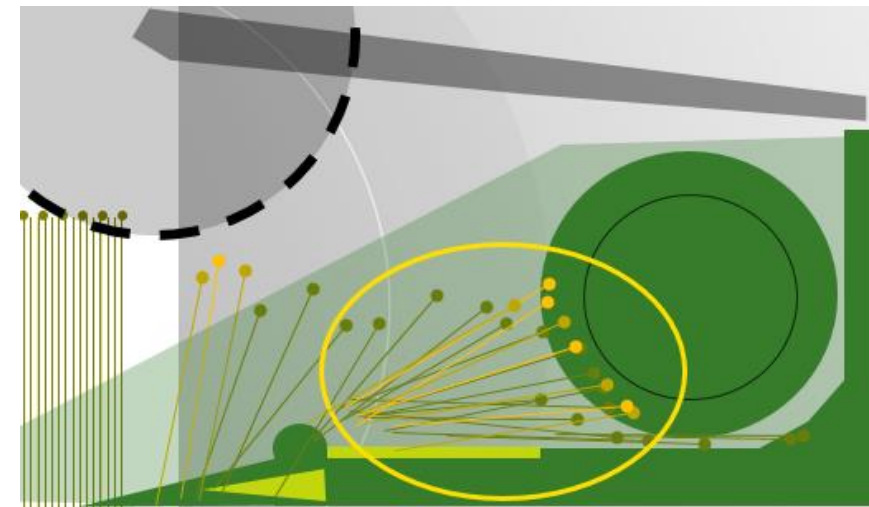
If you need to modify for a different header, please follow the instructions in the Operator's manual.



## Table Length:

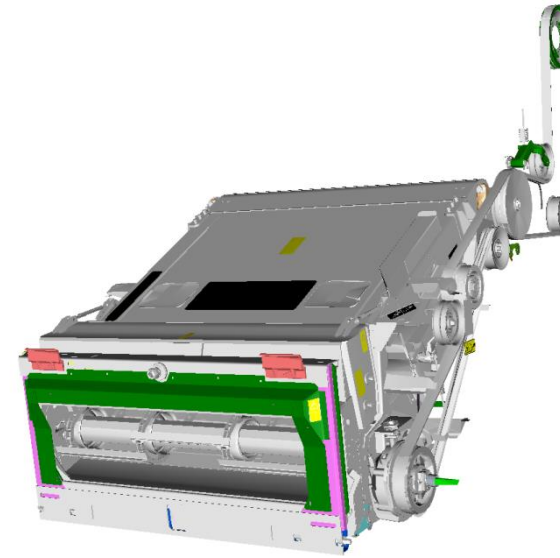
The 700X table length needs to be adjusted according to the crop height and stubble height.

Adjust the table length so that the heads fall in between the auger flights.



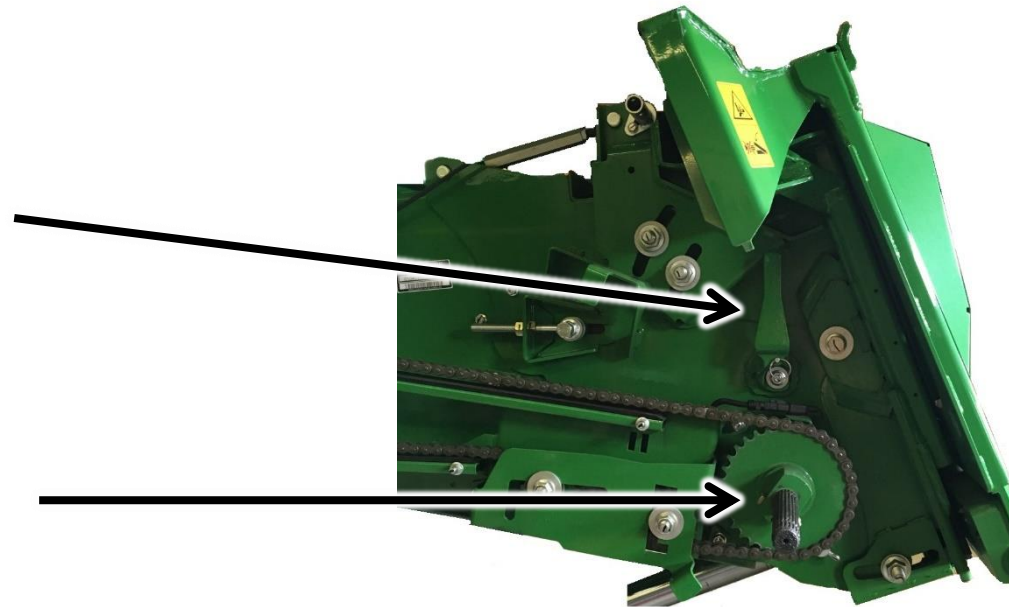
# Feeder House

|                    |          |
|--------------------|----------|
| Drum position      | Down     |
| Sprocket           | 33 teeth |
| Top shaft stripper | No       |
| Perforated doors   | No       |



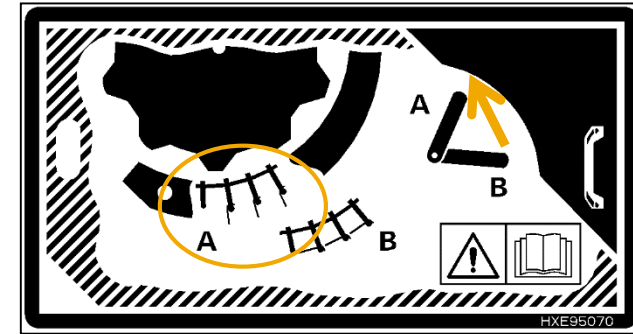
Drum Position:  
Lever on LH & RH side in the  
back position  
(Picture shows up position)

Sprocket:  
Standard or  
Dual Speed  
with 33 teeth

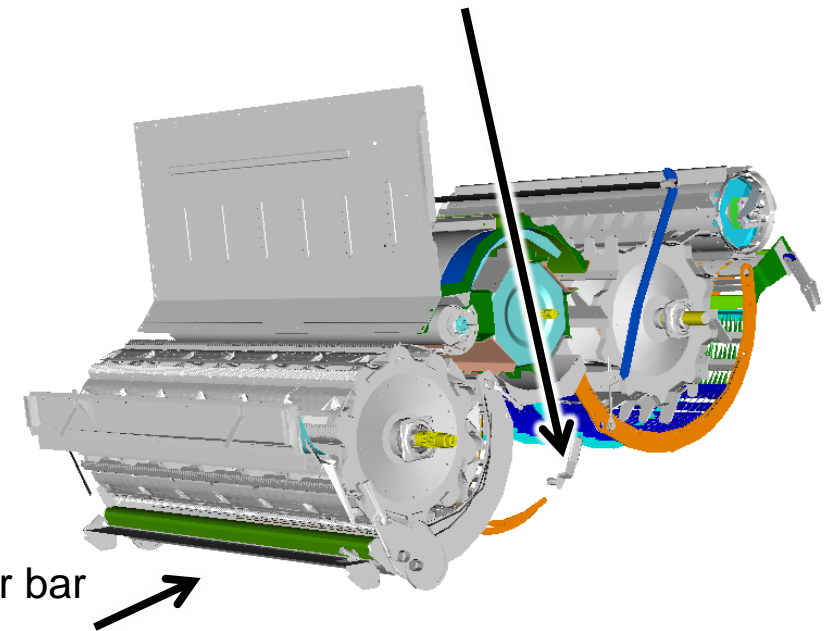


# Threshing – T-Series

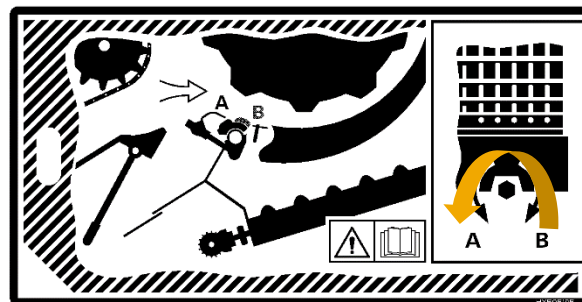
|                         |   |
|-------------------------|---|
| Stone trap cover plate  | No  |
| Booster bar             | If needed                                       |
| Concave                 | Short / universal                               |
| Cylinder filling plates | No  |
| De-awning-plates        | If needed                                       |
| Threshing speed range   | High*<br>*(if equipped with 2 speed cyl. Drive) |
| Threshing speed [rpm]   | 750 – 950                                       |
| Concave clearance [mm]  | 2 – 12  |



De-awning plates

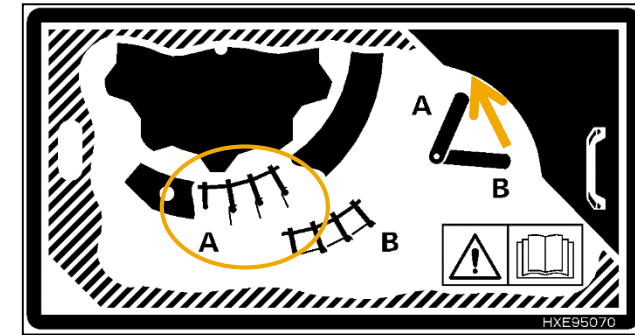


quick engage booster bar

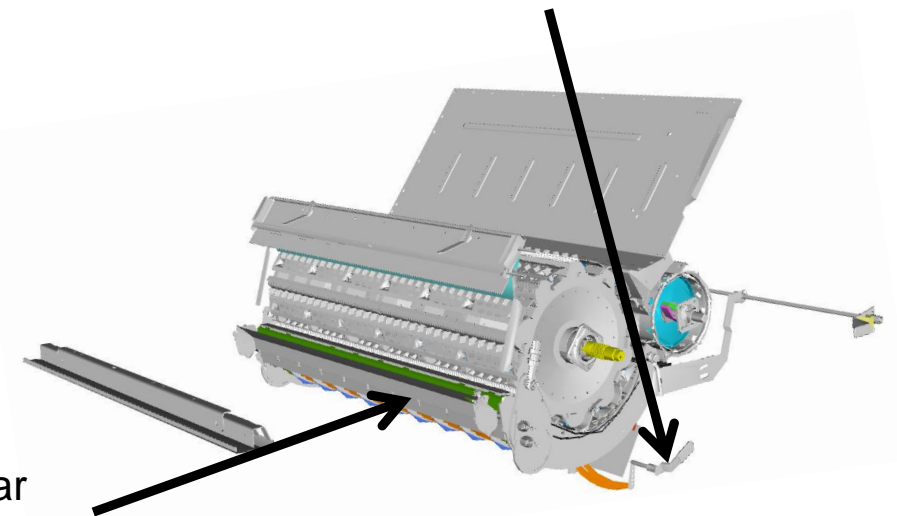


# Threshing – W-Series

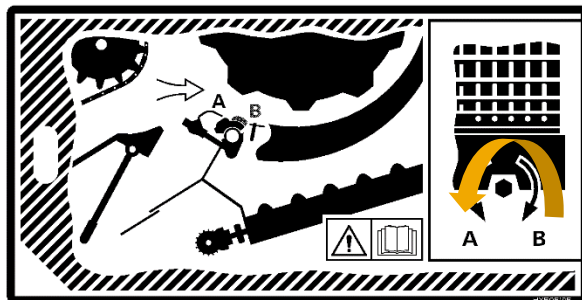
|                         |   |
|-------------------------|---|
| Stone trap cover plate  | No  |
| Booster bar             | If needed                                       |
| Concave                 | Small grain / Universal                         |
| Cylinder filling plates | No  |
| De-awning-plates        | If needed                                       |
| Threshing speed range   | High*<br>*(if equipped with 2 speed cyl. Drive) |
| Threshing speed [rpm]   | 750 – 950                                       |
| Concave clearance [mm]  | 2 – 12  |



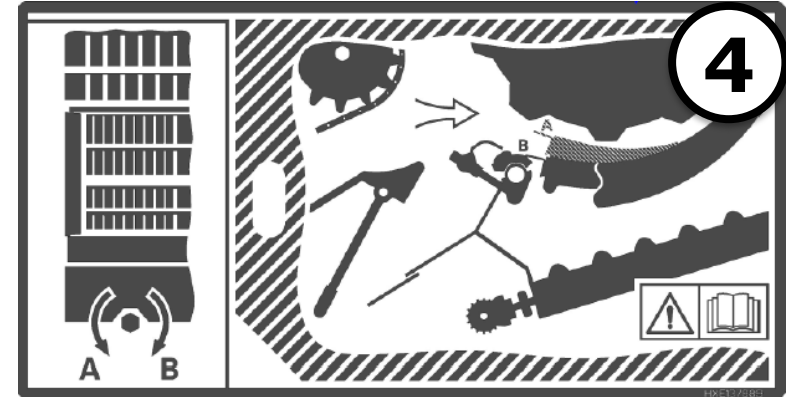
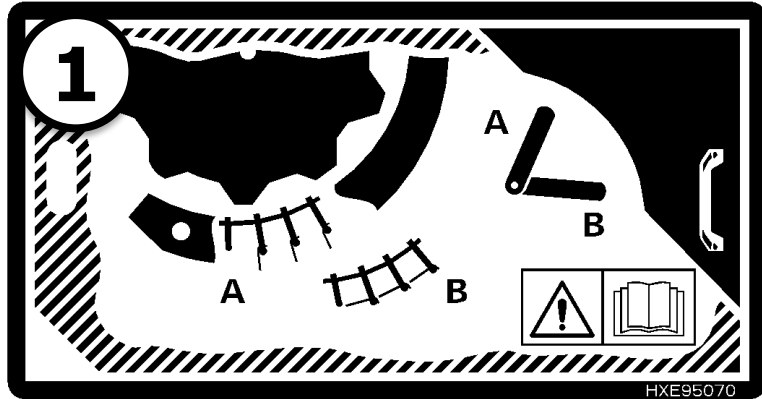
De-awning plates



Quick engage booster bar

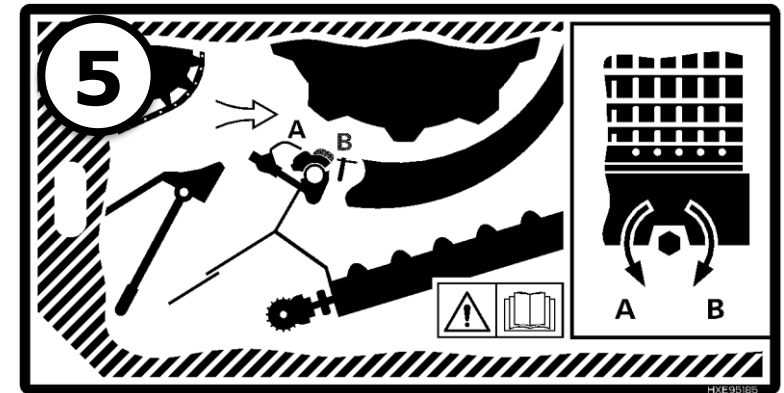


# Booster Bar, Sectional Concave and Deawning Plates



What to do when deawning is a challenge?

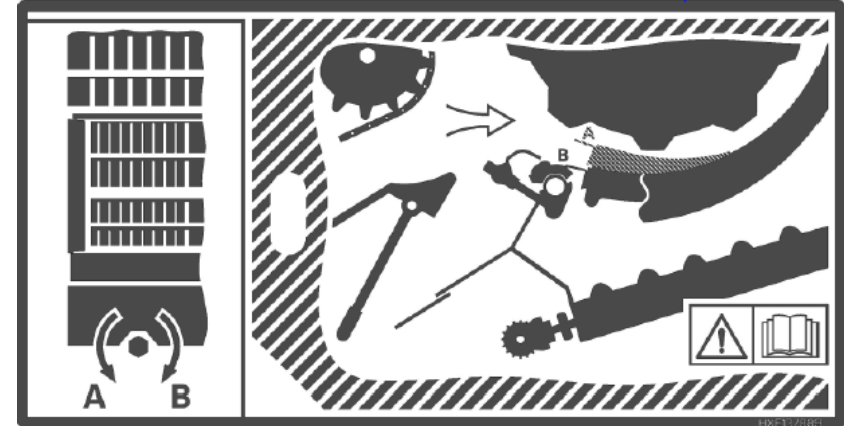
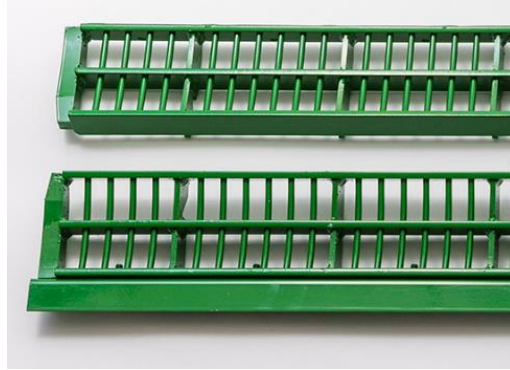
1. Engage booster bar
2. Close concave
3. Increase cylinder speed
4. Use small wire concave sections
5. Close de-awning plates



Always use booster bar first for deawning. Use deawningplates only if necessary as they limit separation capacity. Clean concave when opening de-awning plates



# Sectional Concaves



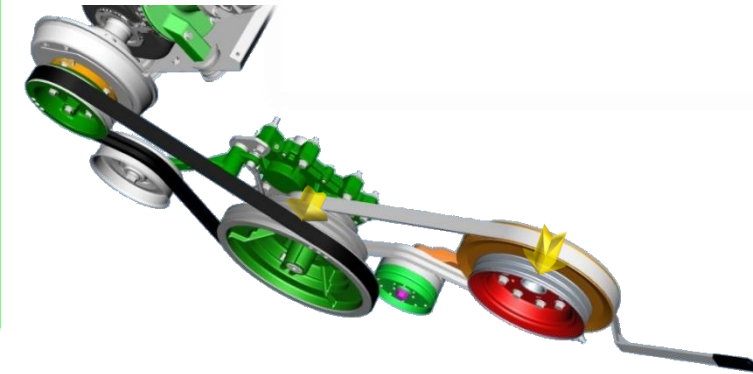
1. Open stone trap
2. Open concave completely
3. Disengage booster bar
4. Open sectional concave locking mechanism
5. Replace concave sections
6. Close the locking mechanism

In difficult threshing hard de-awning conditions use Small grain concaves. Closing the deawning plates should be the last measure.



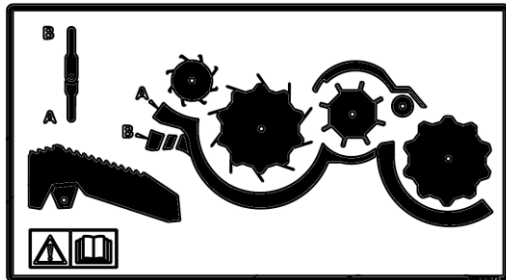
# Separation – T-Series

|                                       |           |
|---------------------------------------|-----------|
| T-Separator grate pos.                | Closed    |
| Rear beater grate position            | Closed    |
| T-Separator speed                     | Fast      |
| Fishbacks                             | If needed |
| Rubber flap at the end of the walkers | No        |

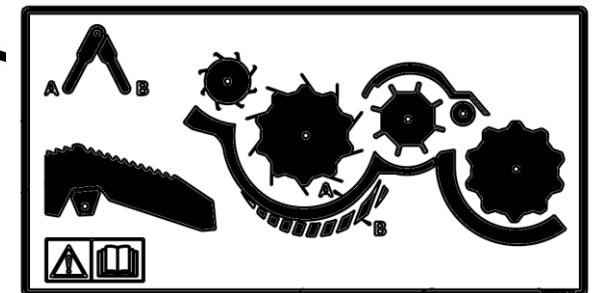


Separator speed

Rear beater grate position



Separator grate position



# Separation – W-series

|                                       |           |
|---------------------------------------|-----------|
| Rear beater grate position            | Closed    |
| Rear beater speed reduction           | No        |
| Fishbacks                             | If needed |
| Power Separator                       | If needed |
| Rubber Flap at the end of the Walkers | No        |



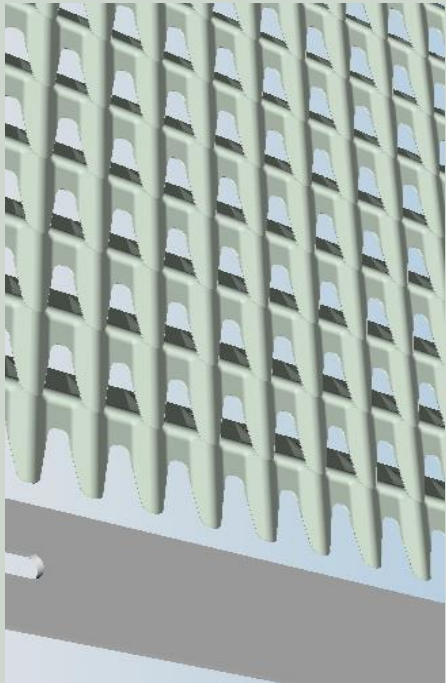
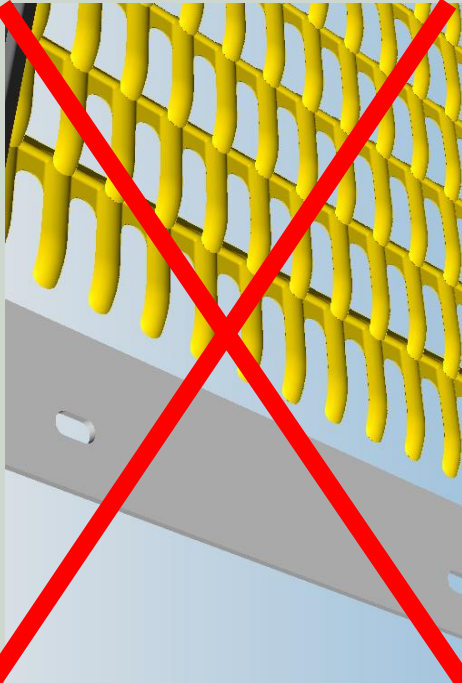
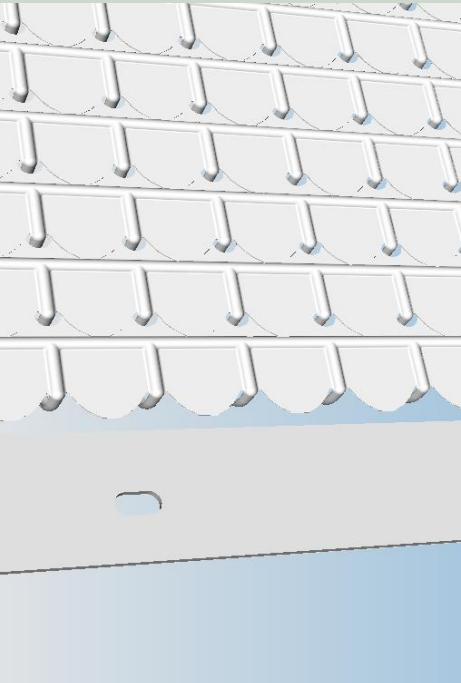
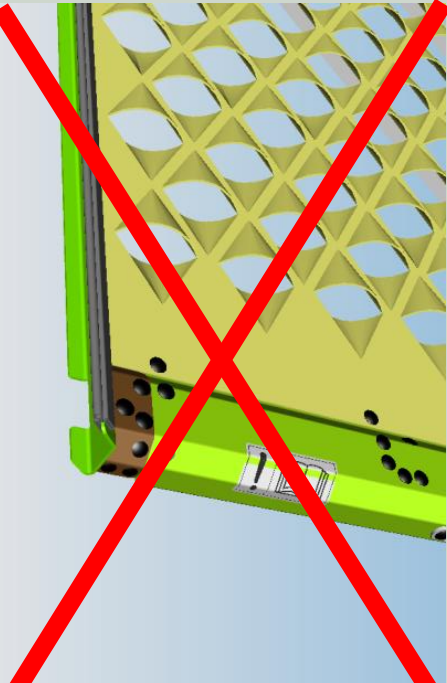
# Cleaning Shoe

|                      |  |
|----------------------|--|
| Chaffer [mm]         | 16 – 20<br>Standard or HP                      |
| Sieve [mm]           | 5 – 9<br>Standard                              |
| CCM Tailings cover   | No   |
| Fan speed [rpm]      | 950 – 1350                                     |
| Dual range fan speed | High*<br>*(if equipped with 2 speed fan drive) |



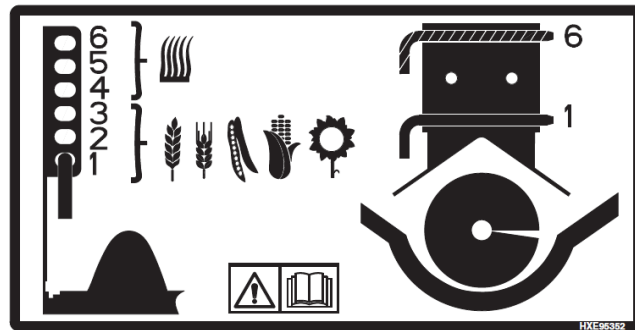
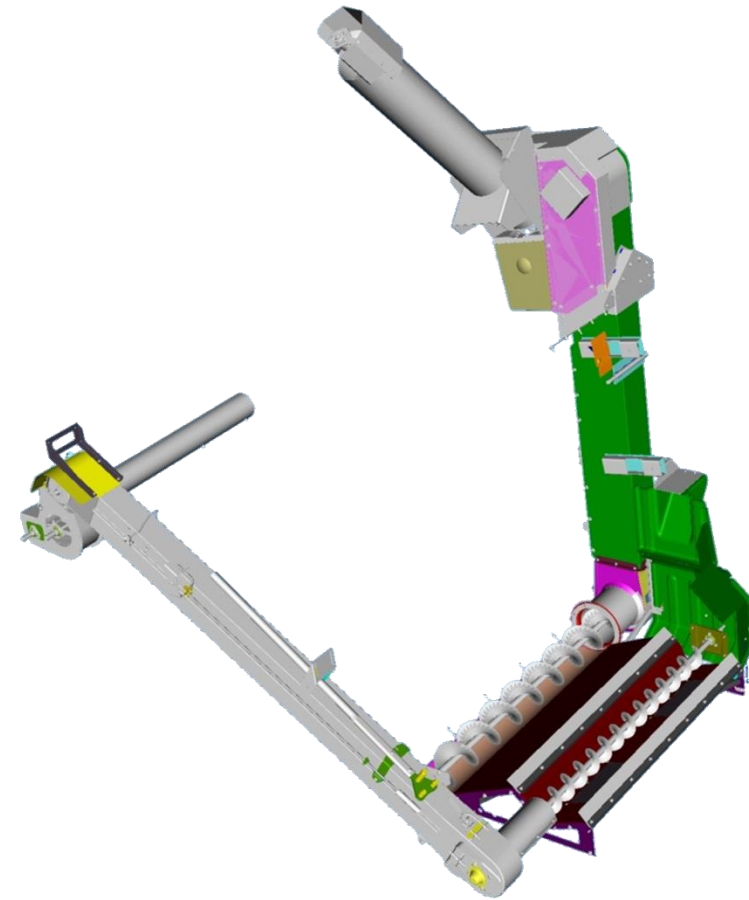


# Cleaning Shoe – Chaffer / Sieve Type

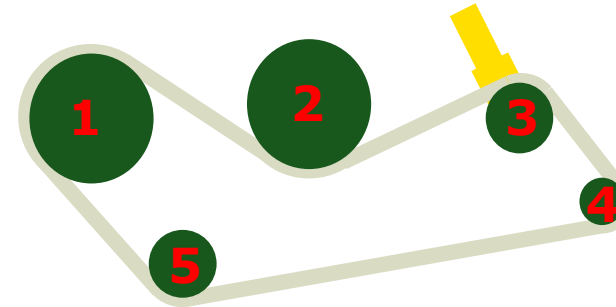
| Standard   | corn<br>(ex CZ4)  | HP<br>(high perfo.)  | CCM –<br>Frog Mouth  |
|--|---|--|--|
|  |  |  |  |

# Grain Handling

|                                     |               |
|-------------------------------------|---------------|
| Clean grain elevator steel paddels  | Not mandatory |
| Cross auger cover position          | 1-3           |
| U-joint paddle                      | Not mandatory |
| Perforated doors for elevator, etc. | No            |
| Slip clutch                         | Not mandatory |
| Grain tank speed changes            | No - standard |



# Grain Tank Speed Change Configuration



|                               | 1               | 2               | 3               | 4               | 5                | chain                       |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------------------|
| RUR standard                  | AH125070<br>49T | AH125070<br>49T | AH206131<br>24T | HXE33324<br>20T | HXE76913<br>46T  | AXE55765<br>¾ in x198 links |
| Xtra fast standard            | HXE63642<br>45T | HXE63642<br>45T | AXE27959<br>19T | HXE95326<br>21T | HXE63575<br>31T  | AXE37810<br>1inx156 links   |
| RUR grass                     | AH140001<br>60T | AH140001<br>60T | AH206131<br>24T | HXE33324<br>20T | HXE100784<br>34T | AXE56875<br>¾inx204 links   |
| RUR rice / corn               | AH140001<br>60T | AH140001<br>60T | AH206131<br>24T | AH128074<br>17T | HXE100785<br>40T | AXE56875<br>¾inx204 links   |
| Xtra fast grass / rice / corn | HXE73865<br>54T | HXE73865<br>54T | HXE43629<br>19T | HXE64040<br>19T | HXE63575<br>31T  | AXE57022<br>1inx162 links   |

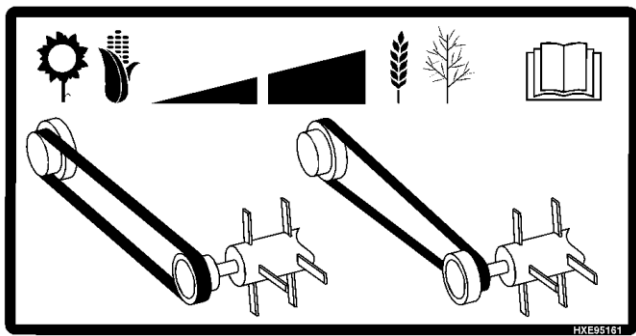
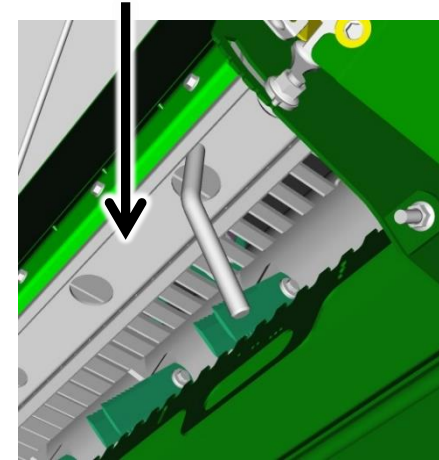
**RUR: Regular unload Rate 88l/s**  
**Xtra fast: Xtra fast unload rate 125l/s**



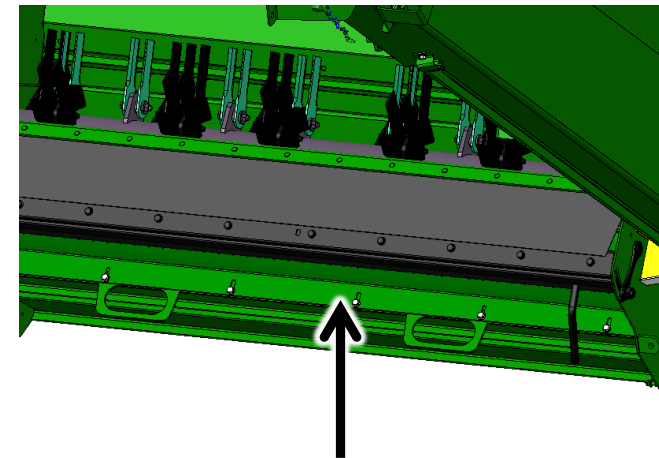
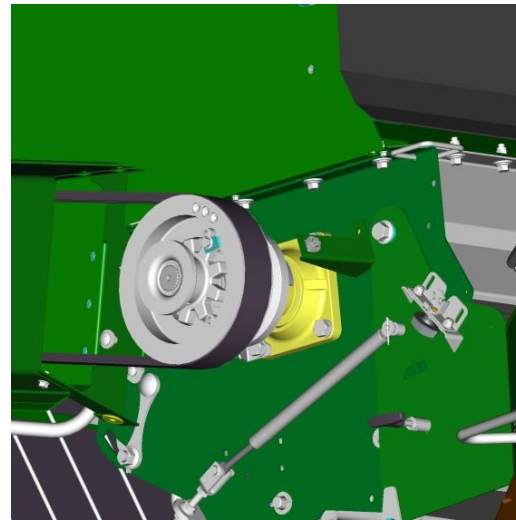
# Residue

|  |            |
|--|------------|
| Chopper Speed                            | High speed |
| Counter knife position                   | Engaged    |
| Crossbar                                 | If needed  |
| Chaff Spreader speed valve (if equipped) | Fast       |
| Cob Deflector                            | No         |

Counter knife

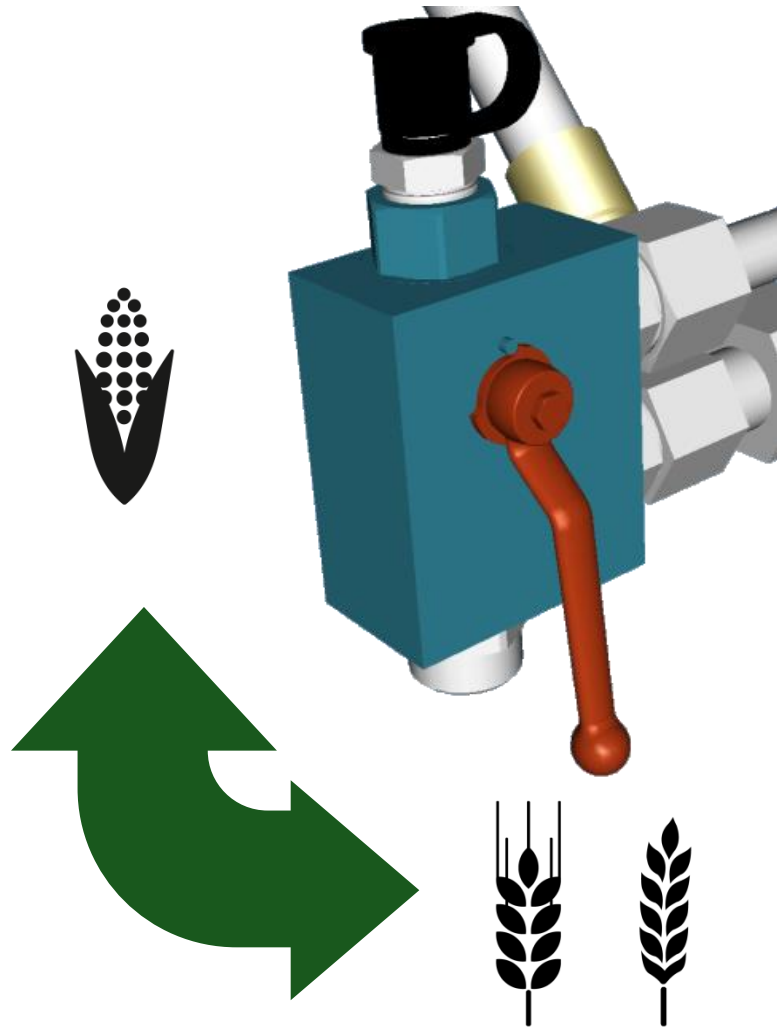


Chopper speed

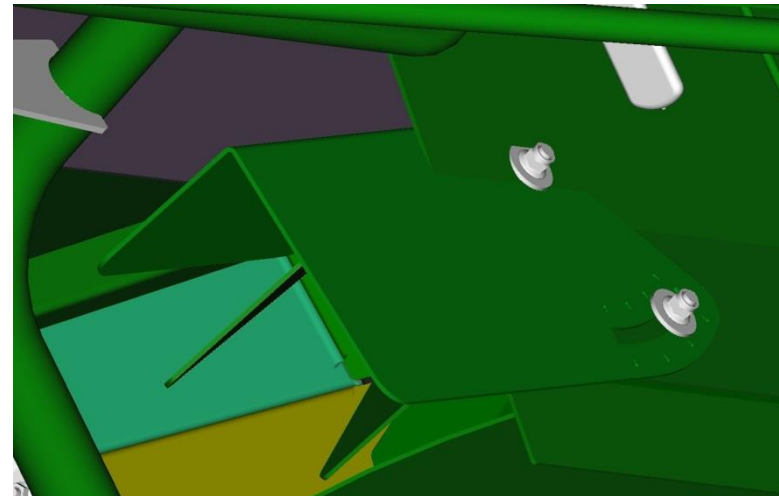


Crossbar

# Chaff Spreader - Speed & Vanes



Vane adjustment:  
Adjust to working width depending on  
crop type and conditions.  
635: fully up  
616: fully down



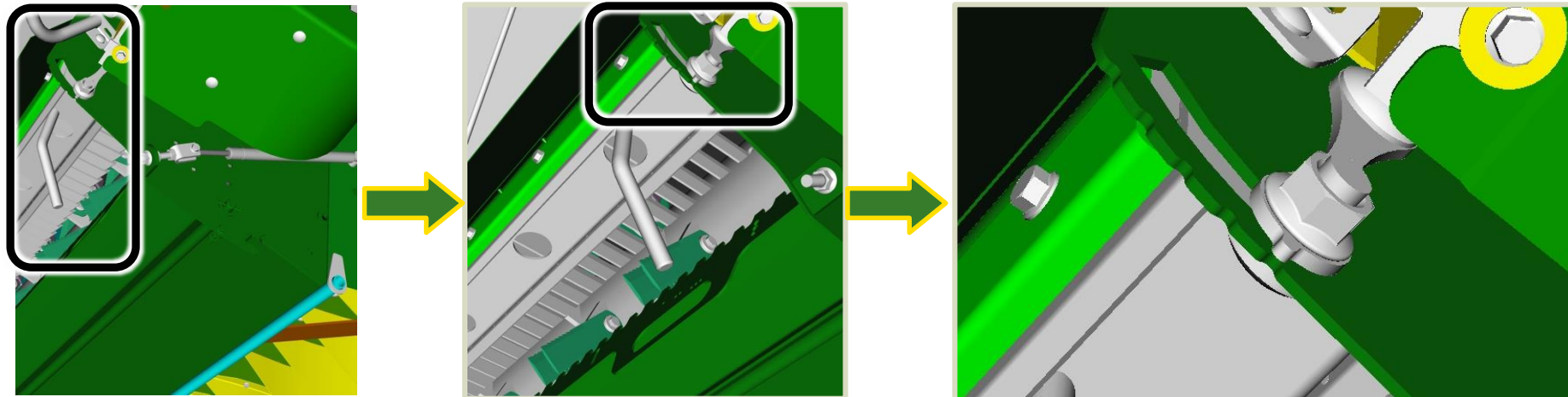
# Counter Knife Adjustment

Stepless adjustment, wrench required

Grooves serve as indicator, both sides need to be equal

**Grain:** Start with a low setting and work your way in until desired chopping quality is reached.

Knives that are moved in too far do not provide for better chopping quality, and use a lot of power.





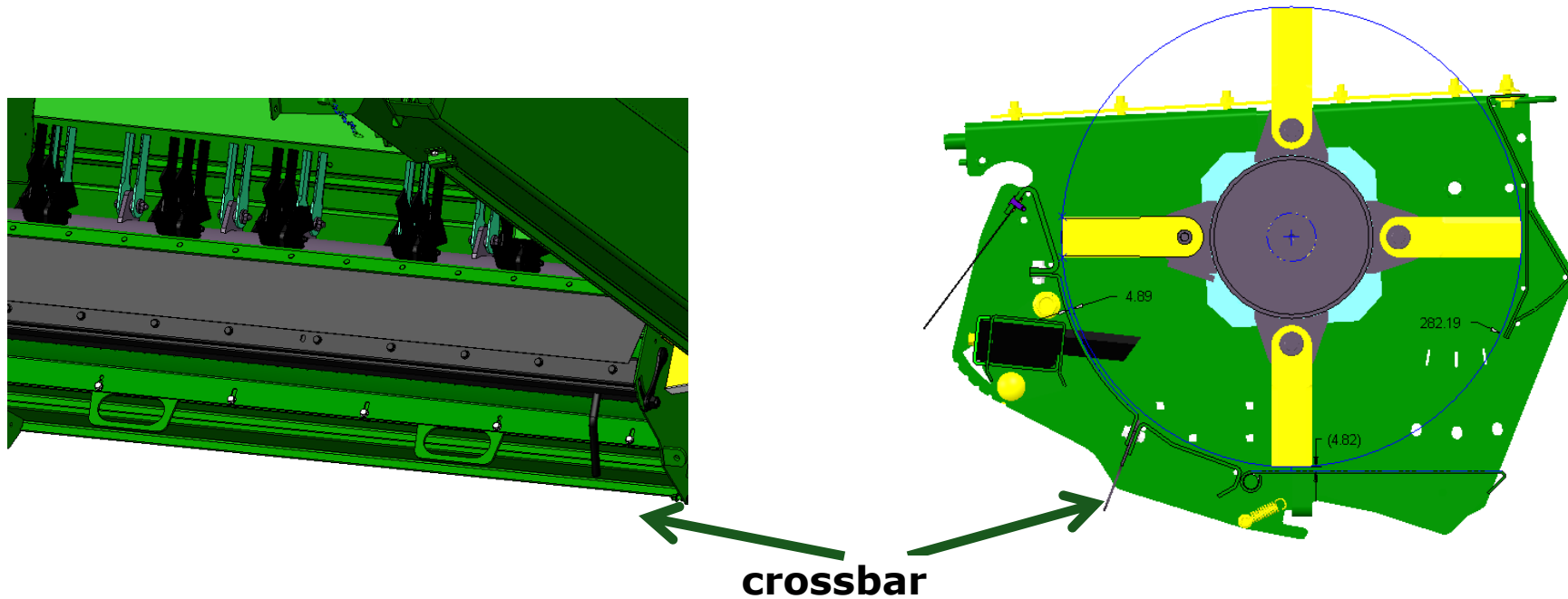
# Residue - Crossbar

In base on FC and XFC chopper

Needed in tough conditions when expected chopping quality is not achieved with counter knife adjustment

Before engaging crossbar, check if knives are still sharp enough

**Attention:** use of crossbar increases fuel consumption, adjust counterknives first.





**JOHN DEERE**