

## D and FD Straight Cut Canola Optimization

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## Optimizing the D and FD for Straight Cut Canola Applications

This information provides recommended attachments, settings and adjustments to optimize the D and FD Series headers in a STRAIGHT CUT CANOLA application



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## Recommended Dealer Installed Attachments

### UCA (Full Length)

- An Upper Cross Auger is necessary to aid in conveying and assist moving crop laterally in conjunction with the side drapers to the feed auger

B4847- **30'** (9.1m)

B4848- **35'** (10.6m)

B4849- **40'** (12.2m) and **45'** (13.7m)

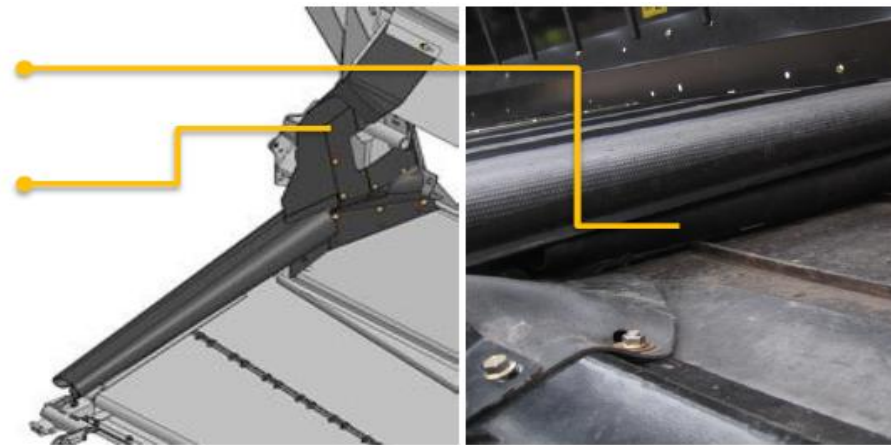


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## Recommended Dealer Installed Attachments

### Seed Sealer Kit B5612

- An optional Seed Sealer Kit designed specifically to seal the feed draper and side draper transition area, which minimizes losses in this shatter prone condition.



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## Recommended Dealer Installed Attachments

### Vertical Power Knives and Mounts

- Vertical knives significantly reduce seed shatter loss from dividing interferences of standard crop dividers and allow for consistent dividing in all conditions



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## Recommended Dealer Installed Attachments

### Vertical Mounts

- MacDon has LH and RH mounts available which will accept 2 styles of vertical knives.
- Mount is easily removable to install standard divider
  - LH Mount- B5757
  - RH Mount-B5758



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## Recommended Dealer Installed Attachments

### Vertical Power Knives

- 2 options available, both hydraulically powered
- Both attach to the MD designed mount(s)

1. CanAgro Exports Inc. (**Ziegler Vertical Knife**)  
(204) 325 5090 ext. 230 / [www.can-agro.com](http://www.can-agro.com)  
Ziegler Part # LH: 70-050177 ; RH: 70-050176

2. Canadian Agri Technologies (**Sabre Vertical Knife**)  
1-866-792-8437 / (204) 992-2484 / [www.sabredivider.com](http://www.sabredivider.com)  
Sabre Part # LH:SA-MD-LH; RH:SA-MD-RH



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## Recommended Adjustments

### Relocate Reel Cylinders to Alternate “Aft” Position

- This procedure is outlined in both D60/FD70 and D65/FD75 Op Manuals
- Allows the reel to be positioned 220mm rearward (AFT), enabling the reel to sweep Canola into the UCA and reduces seed loss as the effective “Reel Sweep” and crop interaction/contact is behind the cutterbar, minimizing losses outside the header.
- Position may be suitable for other crops except for severe lodged crop situations where significant pick up action is required.



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## Recommended Adjustments

### Short Center Reel Brace Kit

- D60 and FD70
  - Not Required
- D65 and FD75
  - B5605 allows reel position to be moved rearwards an additional 220mm behind cutter bar without interference.



## Recommended Adjustments

### Feed Auger Optimization- Gearbox Sprocket

- Optional higher speed sprockets for more capacity, available through MD Service Parts

#### Manufactured Gearbox- 2011 and Prior

- Lexion-Agco
  - Standard OEM- 18 tooth #151684
  - **Recommended- 20 Tooth #133425**
- CNH-Deere
  - Standard OEM- 24 tooth #151686
  - **Recommended- 26 Tooth #13342**

#### Weasler Gearbox- 2012 and Newer

- Lexion-Agco
  - Standard OEM- 18 tooth #187497
  - **Recommended- 20 Tooth #187523**
- CNH-Deere
  - Standard OEM- 24 tooth #187496
  - **Recommended- 26 Tooth #187525**



2012 and Newer Shown

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## Recommended Adjustments

### Feed Auger Optimization- Fingers

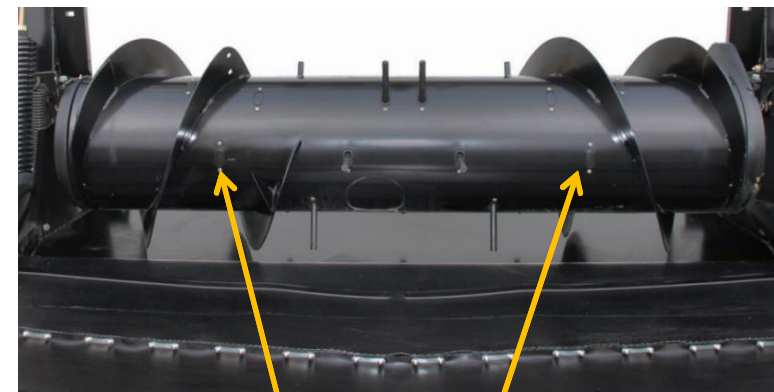
- Add fingers to Feed Auger

2012 and Prior- **15** Fingers installed at Factory  
2013 and Newer -**17** Fingers installed at Factory  
Provisions for **25** Fingers in Feed auger

56" to 66" Feeder Openings - **Full Compliment (25)**\*\*\*  
45' to 55" Feeder Openings- **(23)**\*\*\*  
30" to 44" Feeder Openings- **(17 – 19)**\*\*\*

Finger Assembly Part Number- **220938** Box of 5  
Retaining Pin Part Number- **123180**  
Finger Guide Part Number- **187081**

\*\*\* **Ensure fingers are inboard min 2" (50mm) on Feeder Opening of Combine. Number of fingers may vary to achieve this, above is a guideline**



Remove plugs and install additional fingers to both LH,RH

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## Recommended Adjustments

### Feed Auger Optimization- Tension Springs

- **Decrease** spring tension to allow feed auger to “Float Up” for higher throughput
  - Decrease LH and RH feed auger spring tension by loosening tensioning bolt 1- 1.5” (25mm- 35mm).
  - Ensure top jam nut is locked to new setting

\*\*In lighter cereal crop conditions this may have to be re tensioned if feeding issues occur

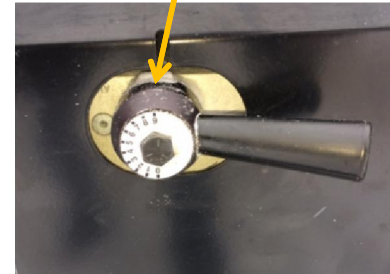


RH Spring Shown

## Recommended Settings

### Initial Field Settings after Optimization

- Leave Center Beaters on UCA. In these ripe fluffy conditions they aid in crop delivery into Feed Auger
- Reel
  - Position as far rearward (Aft) as possible, delivering crop flow into UCA, ensuring reel is behind C-bar
  - Adjust height so that fingers just engage the crop. If reel is too low it can hamper crop flow
  - Reel Cam set to position 1
  - Reel Speed equal to ground speed
- Side Draper Speed
  - Fully Open on CA20
  - Position **9** on CA25



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