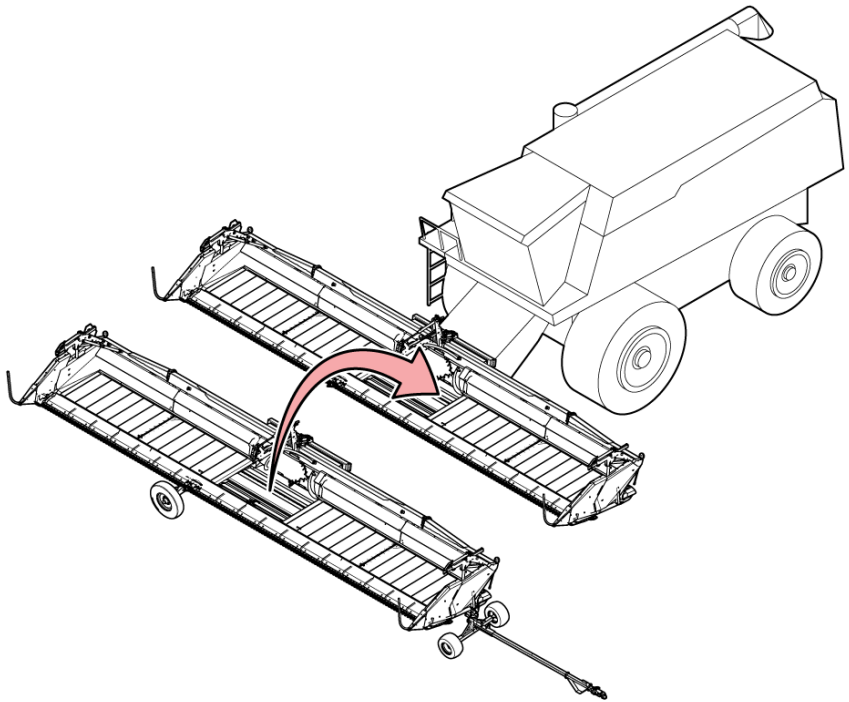


# 2026

# AirFlex

NXT

Quick Start Guide



## IMPORTANT!

This guide is a supplement to the operators manual, do not attempt to operate your equipment without first reading and understanding the full operator manual.



## DANGER!

When you exit the combine, shut off the combine, engage the parking brake, and wait for all moving parts to come to a complete stop before approaching the header.

If working on a raised header, ensure the feeder house cylinder locks are in place.

Do not wear loose clothing or jewelry around moving parts.

Avoid high pressure hydraulic spray. Seek medical attention immediately if it punctures your skin.

Ensure all equipment is secured against sudden drops.

Read and understand all safety instructions in the operator manual before proceeding.



**Honey Bee®**

Document Revision History			
Revision	Author	Date	Description
1.9	WG	01/22/25	Changed air system pressure from 110psi to 115psi Updated speed chart Changed reel finger distance Removed crop divider inspection note
2.0	AD	09/05/25	Case Header Pressure Float set to no instead of yes.
2.1	AD	01/20/26	Updated transport cart winch Updated pto speeds Added new Case, Fendt, New Holland and JD info

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## 1 - Header Preparation

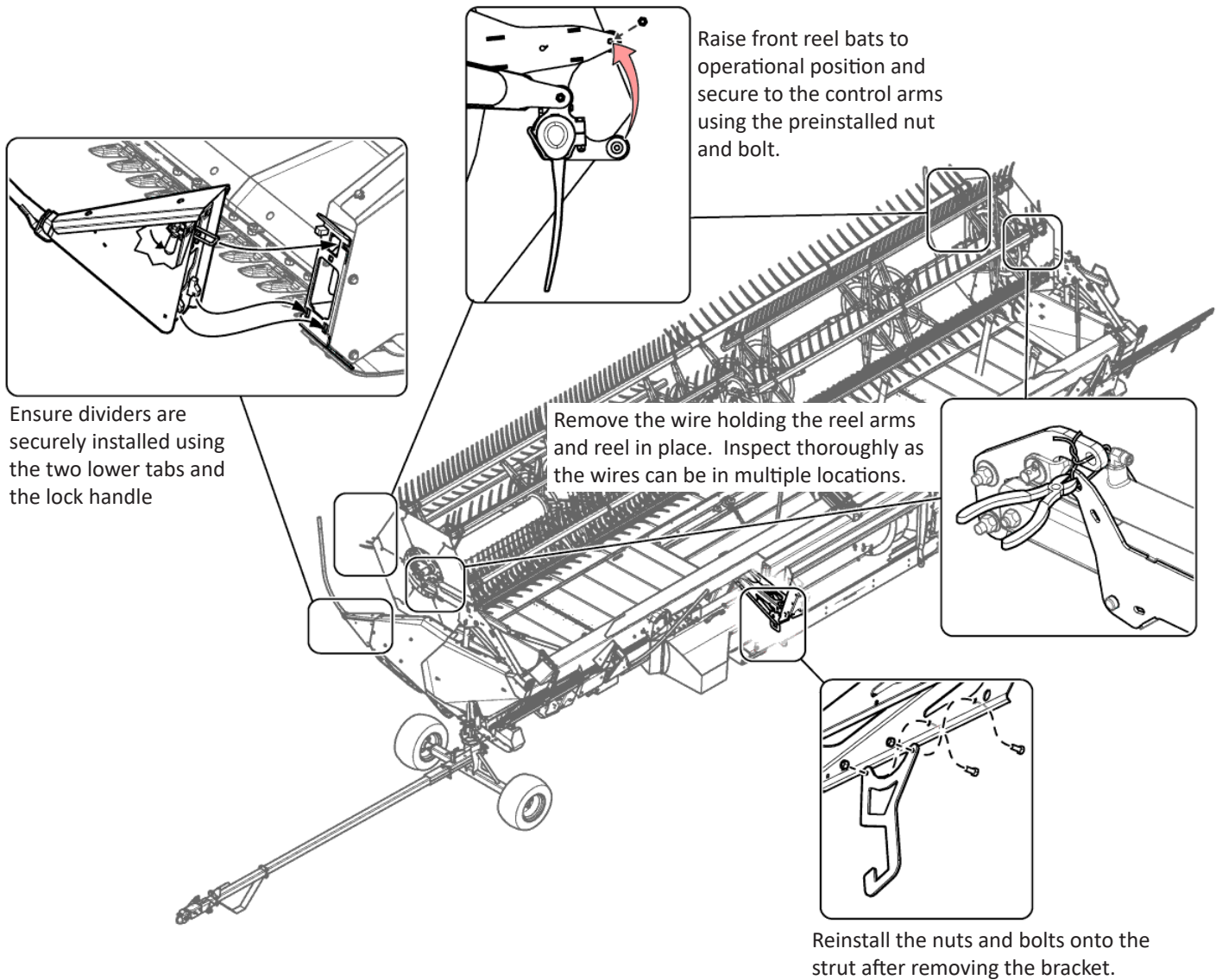
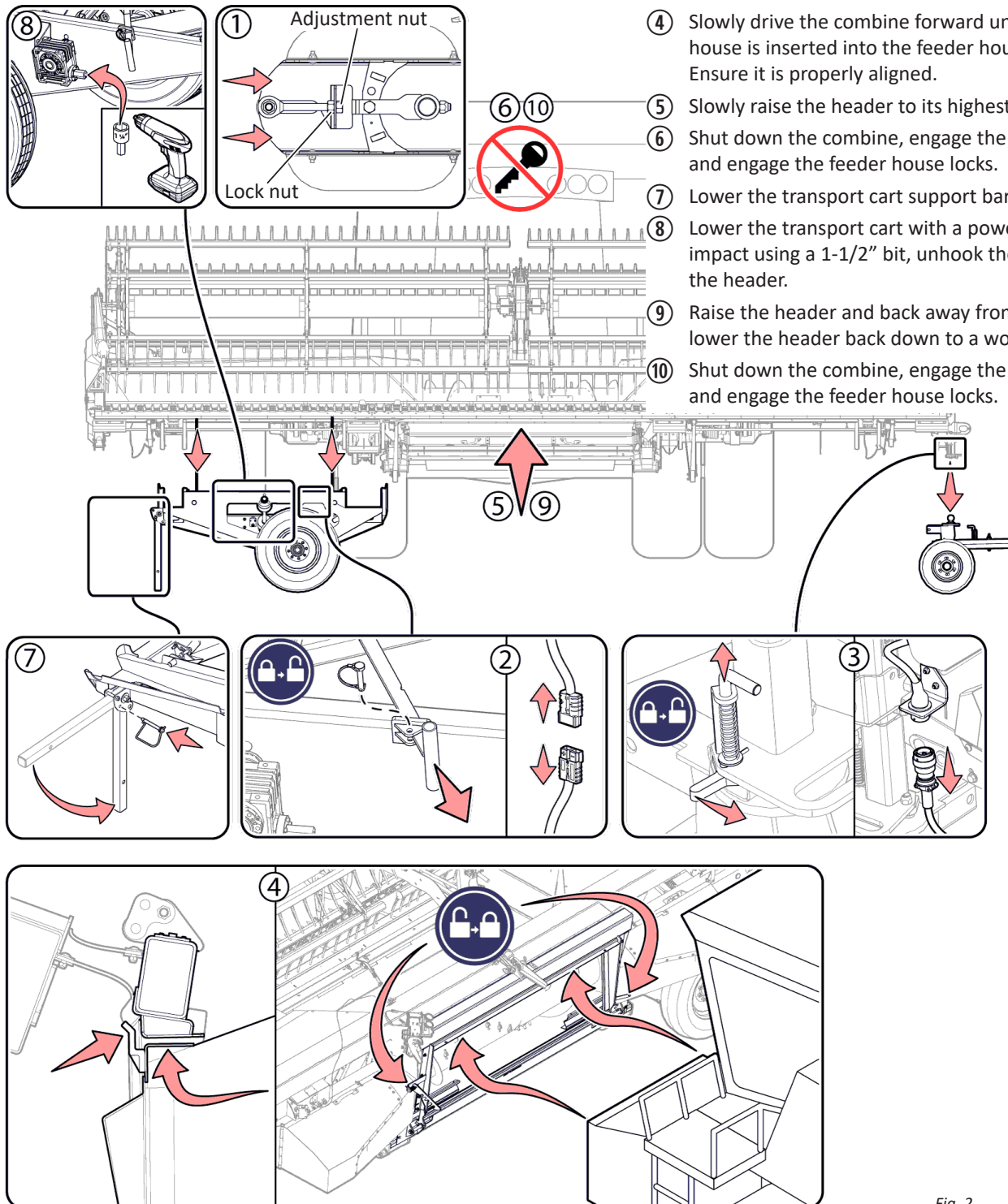


Fig. 1



## 2 - Mounting the Header



- ① Move the feed auger drum forward to ensure it does not interfere with the combine's feederhouse.
- ② Release the transport cart lock and secure it with the pin, disconnect the cart's electrical harness.
- ③ Release the draw bar lock and disconnect its electrical harness.
- ④ Slowly drive the combine forward until the feeder house is inserted into the feeder house opening. Ensure it is properly aligned.
- ⑤ Slowly raise the header to its highest position.
- ⑥ Shut down the combine, engage the parking brake and engage the feeder house locks.
- ⑦ Lower the transport cart support bar and secure pin.
- ⑧ Lower the transport cart with a power drill or impact using a 1-1/2" bit, unhook the straps from the header.
- ⑨ Raise the header and back away from the cart, lower the header back down to a working height.
- ⑩ Shut down the combine, engage the parking brake and engage the feeder house locks.

Fig. 2

### 3 - Finish Mounting

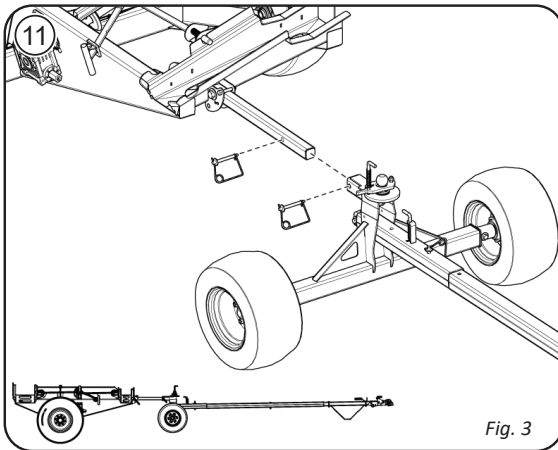


Fig. 3

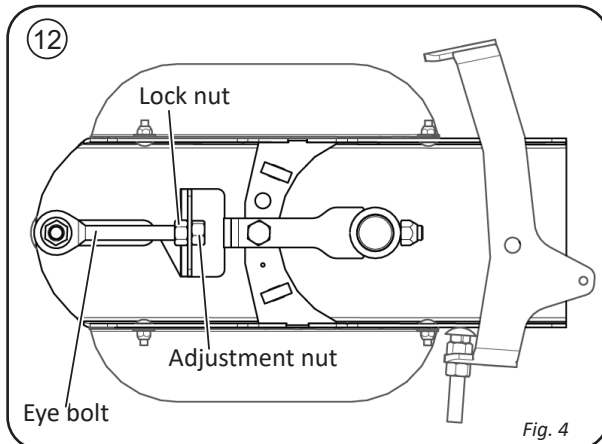


Fig. 4

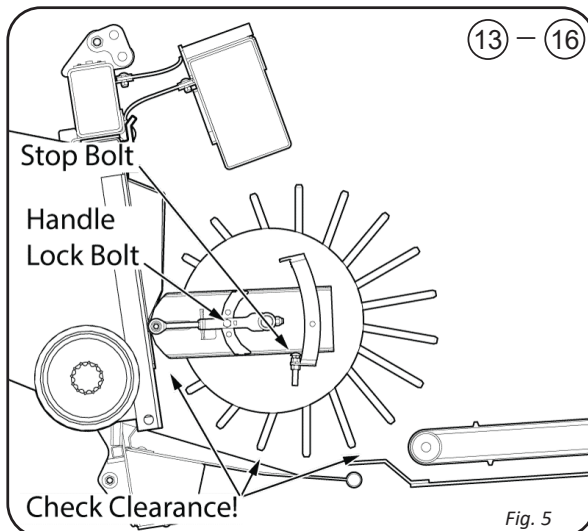


Fig. 5

- ⑪ Secure the transport cart and draw bar cart together, secure with pins as illustrated and place in a storage location.
- ⑫ Evenly adjust the left and right eye bolts on the feed auger drum so it is moved to within 1/2" (1.3 cm) of the combine feeder house protrusions.
- ⑬ Set the feed auger drum lower stop bolts to prevent the drum from contacting the rest of the header.
- ⑭ Rotate the auger drum by hand to ensure it will not contact the protrusions, tighten the lock nuts on the eye bolts.
- ⑮ Set Feed Auger finger timing so the feed auger fingers maintain adequate clearance from the components surrounding the feed auger drum.
- ⑯ Check All Clearances around the feed auger drum and adjust accordingly.
- ⑰ Set the gauge wheel safety straps to their operational position.

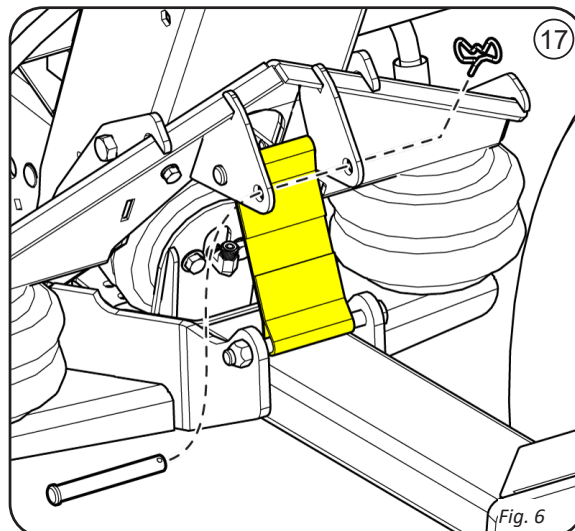
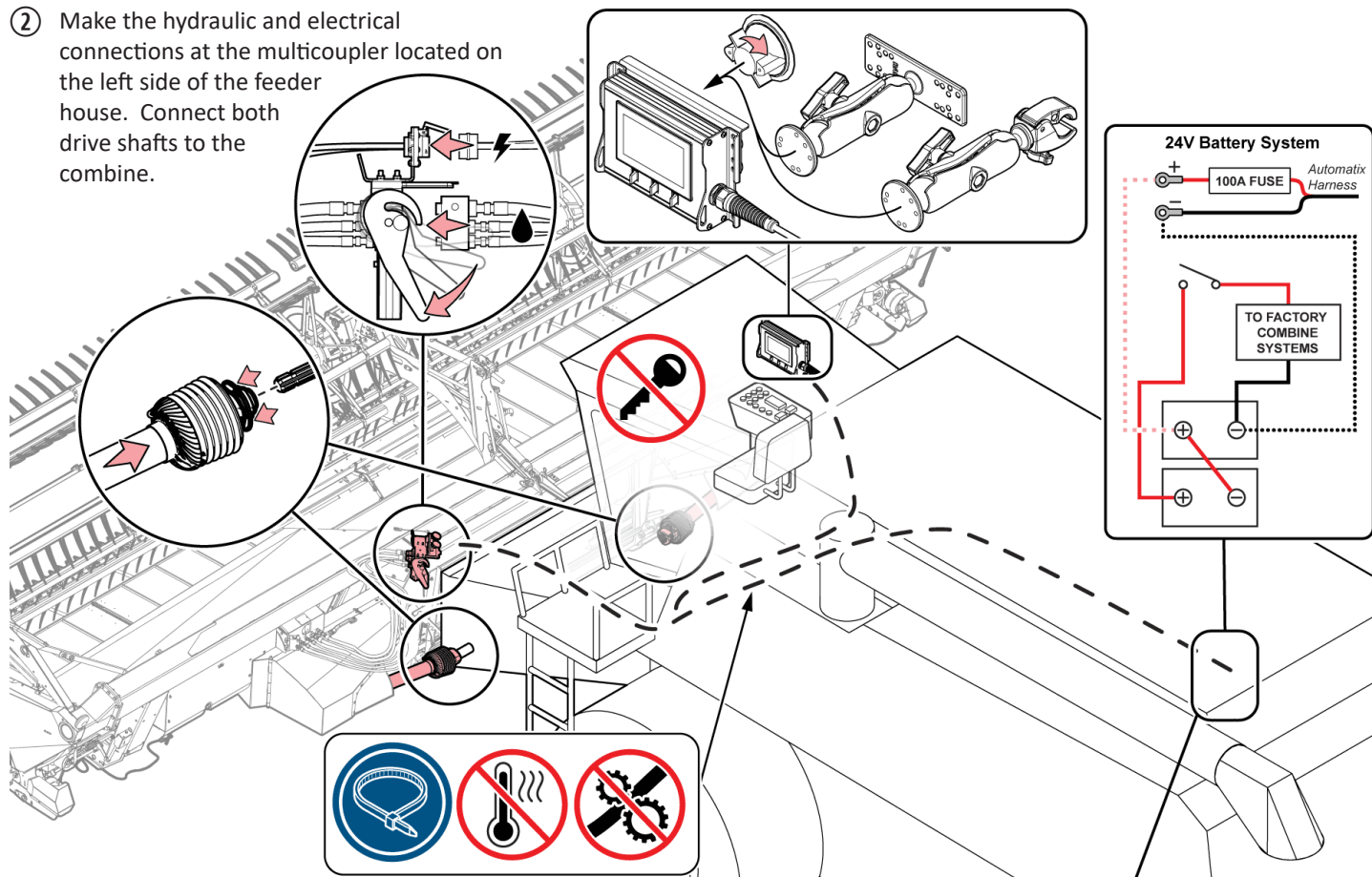


Fig. 6

## 4 - Make Connections

- ① Turn off the combine's master battery switch.
- ② Make the hydraulic and electrical connections at the multicoupler located on the left side of the feeder house. Connect both drive shafts to the combine.



- ③ Install the automatrix display in the combine cab using one of the provided mounting brackets.
- ④ Starting at the front of the combine, route the automatrix harness under the combine cab and inside. Connect to the automatrix display.
- ⑤ Route battery harness to combine battery, connect to power system after power switch to prevent Automatrix from draining battery when combine is off. Leave slack in the harness at the feeder house pivot for full range of motion. Avoid contact with high temperature and moving parts.



### IMPORTANT!

Make sure to check output voltage to header that it never exceeds 14 volts when operating or upon engine start-up.

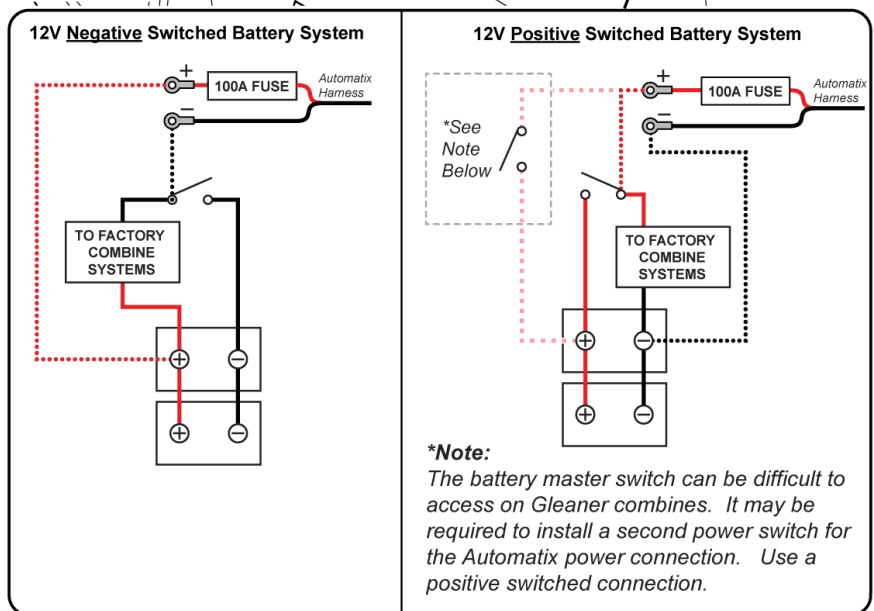


Fig. 7

## 5 - Header Setup Overview

1. With 115 psi in the air system, ensure each sensor 'flag' contacts its roller at the 'heel' of each strut at the rear of the header. The Flag should contact the center of the roller.

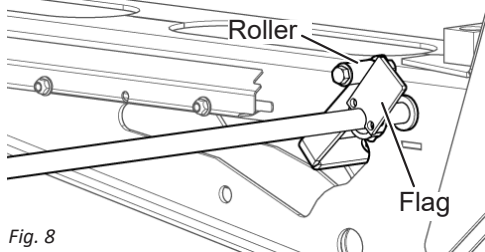


Fig. 8

2. Verify the header height sensor voltages on the Automatix display:
  - **In FLEX Mode:** With the header air system pressurized to approximately 115 psi, the sensor voltage should range between 1.45 and 1.55 volts.
  - **RIGID Mode:** With the header air system pressurized to the correct value for your header width as shown in the table below, the sensor voltages should range between 1.5 and 3.4 volts through the subframe sensor's full range of motion.

Width	25ft	30ft	36ft	40ft	45ft	50ft	60ft
PSI	90	95	100	105	110	115	125

**Note:** Refer to operator manual for detailed instructions.

**IMPORTANT:** Don't make assumptions, don't skip steps, fix all errors that occur before continuing.

## 6 - Set combine feeder house angle.

The Combine Feeder House must be tilted at a specific angle for optimal header operation. To set proper operation angle.

1. Park the combine and header on a firm level surface.
2. Set the header to FLEX mode and lower the air pressure until 30psi is reached.
3. Fully retract the hydraulic tilt cylinder and optional hydraulic skid shoes.
4. Lower the table until the cutter bar is fully pushed up.
5. Slowly raise the header until 2.00 volts (indicated by the arrows on the display) show on the sensor bar graph on the Automatix Lite display.



**DANGER!**

Shut off the combine, engage the parking brake, engage the feeder house safety stops and wait for all moving parts to come to a complete stop before exiting the cab.

6. Measure down to the ground from the pivot point of the outer-most paddle. There should be an 6-7" (15.4 - 17.8 cm) space when at the optimal feeder house angle.

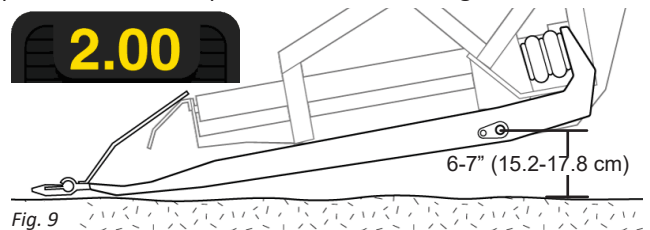


Fig. 9

- If the paddle pivot is more than 6-7" (15.2 - 17.8 cm) above the ground, the feeder house is tilted too far forward and the cutter bar guards will dig into the ground.
  - If the paddle pivot is less than 6-7" (15.4 - 17.8 cm) above the ground, the feeder house is not tilted forward enough and the rear of the paddle will drag on the ground.
7. Adjust the feeder house angle as necessary and re-test the angle as outlined in the previous steps. Tilt can be adjusted to suit ground conditions and habits of the operator. Ensure the feeder house angle does not change during calibration.

## 7 - Preparing Header for Combine Calibration

### 7.1 - Combine Header Height Calibration - FLEX Mode

1. Tilt the header fully back (hydraulic tilt cylinder retracted), open both gauge wheel isolation valves, ensure optional skid shoes are retracted.

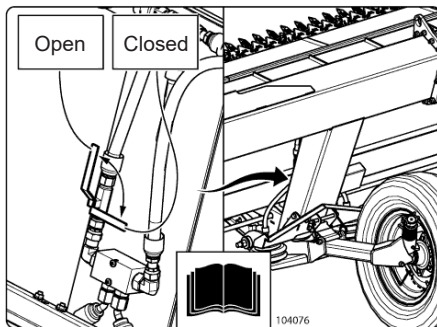


Fig. 10

2. Ensure header lateral tilt is level and the header and combine are sitting on a level surface.
3. Set header to FLEX mode, and pressurize to 30psi, proceed to section 8 on page 10.

### 7.2 - Combine Header Height Calibration – RIGID Mode

1. Ensure the header lateral tilt is level and the header and combine are sitting on a level surface.
2. If Hydraulic tilt cylinder is installed, fully tilt the header back.
3. Ensure the optional skid shoes are retracted.
4. Set header to RIGID mode. Raise header off the ground and pressurize to the correct psi for your header width as shown in the table below, close the gauge wheel isolation valves (see Fig. 10) then proceed to section 8 on page 10.

Width	25ft	30ft	36ft	40ft	45ft	50ft	60ft
PSI	90	95	100	105	110	115	125



## 8 - Combine Calibration

1. Ensure your header is prepared for calibration as outlined in section 7 on page 9.
2. The combine must be run at maximum RPM (harvest speed) and the hydraulic oil must be up to operating temperatures during calibration.
3. Check the oil level to ensure there is no air in the system (normally heard as a whining noise).
4. Set the AIRFLEX via the AutoMatix Lite monitor to RIGID mode if cutting off the ground or FLEX mode if cutting on the ground.
5. Set combine hydraulic header raise rate so it takes 6 seconds to lift the header from the lowest position to the highest position.
6. Set combine hydraulic header drop rate so it takes 7 seconds to lower the header from the highest position to the lowest position.
7. When the combine calibration is done, lower and run the header and combine rotor so automatic header height is enabled. Record a set-point for header height on the combine (i.e. 4" (10 cm)). Raise the table all the way up and laterally tilt it all the way to the left or right. Press the return to set point button on the combine. The header should lower back to the set point AND level out automatically. If this fails, see section 12.
8. Slowly increase header height sensitivity via combine controls until the header starts hunting up and down. Decrease sensitivity by 10-20% until the header stops hunting. Set the tilt sensitivity to half the height sensitivity minus 10%, so if the header height sensitivity is set to 200, the tilt sensitivity should be set to approximately 90 ( $200/2 = 100$ ,  $100 - 10\% = 90$ ).

### NOTE:

The combine specific settings listed on the following pages are recommendations only. Optimal settings will vary by equipment configuration and conditions. It is the equipment operator's responsibility to ensure they operate their equipment in a safe, efficient manner.

## 9 - Feeder House Maximum RPM

Check to ensure combine feederhouse PTO output speed is correct. Premature failure of drive components may occur if speed is incorrect. See the operator manual for instructions on manually checking the feeder house speed.



### IMPORTANT!

Machines equipped with a variable-belt drive feeder house are designed for use with a corn head or row-crop head. Knife speed in excess of 620 RPM can cause vibration and premature failure of driveline and cutterbar parts. If it's technically not possible to set the combine PTO speed to required RPM's (the knife speed is still exceeding 620 RPM, please contact your nearest Honey Bee representative for a custom solution.

If your combine's feeder house is configured to run at multiple speeds, ensure it is set to run at the 'Grain' speed.

Combine	Required Feeder House Output RPM	Knife Speed (RPM)
New Holland/CaseIH	565-590	595-620
CaseIH X130 to X150 Mid-Range Series	575-625	605-615 (NOTE: Switching of sprocket on knife drive may be required)
CaseIH 2100-2500 Series	540	592
Claas	760-770	603-611
Fendt Ideal/Gleaner/Massey Ferguson/Challenger	610-660	565-610
John Deere S/T Series	490	602
John Deere 50/60/70/X9 Series	520	612
Rostselmash	528	579
Gomselmash	520	612



### IMPORTANT!

Do not exceed the RPM values for your combine in the table listed above or damage to your equipment may result.

## 10 - Cutting Height Setpoint

### 10.1 - Cutting Height Setpoint - FLEX mode

1. Ensure the gauge wheel isolation valves are open and FLEX mode is selected on the Automatix control panel.



### IMPORTANT!

If changing cutting modes ensure combine calibration is done prior to setting setpoint.

2. Use the air pressure switch on the Automatix control panel to set the system pressure to an appropriate value for your application.
  - 30-40 psi for extreme conditions like Terraces.
  - 40-50 psi for normal ground conditions.
  - 50-60 psi for soft/sticky/wet/slow ground conditions.
  - Higher than 65 psi may be needed for large headers (50ft and above) with skid shoes attached.



### NOTE:

Please add an additional 10 PSI if skid shoes are installed on the cutter bar. Accessories attached to the cutter bar require additional pressure to counteract their weight.

3. Lower the header until the sensor bar graph on the automatix control panel shows 2.00 volts (8 bars) and set this as the cut height via the combine controls.



Fig. 11

### 10.2 - Cutting height setpoint - RIGID mode

1. Ensure the header is **tilted backward** (if the hydraulic tilt cylinder is installed), the gauge wheel safety strap is in the operational position, RIGID mode is selected on the Automatix control panel.



### IMPORTANT!

If changing cutting modes ensure combine calibration is done prior to setting setpoint.

2. Confirm the RIGID air pressure is set to the recommended value for the header width:

Width	25ft	30ft	36ft	40ft	45ft	50ft	60ft
PSI	90	95	100	105	110	115	125

3. Close both gauge wheel isolation valves (see Fig. 10.)
4. Lower the header to your desired cut height and set the cut height setpoint via the combine controls. If your combine has the ability to set two or more cut height setpoints you adjust the header height and set your second cut height as well.



### IMPORTANT!

If header is fully lifted and combine header height resume is pushed and header does not lower or lowers very slowly then air pressure is set too high. Lower air pressure and re-test.



### NOTE:

If the header is unbalanced, causing the left or right end to run lower/higher than the other end, you can adjust the subframe airbag position as described in the operators manual.

## 11 - Reel Setup

Set the pitch of the reel fingers via the adjuster at the end of the reel. The middle position is a good place to start. If crop is wrapping around the reel, set a less aggressive finger pitch.

Ensure the reel is level and that the reel fingers maintain a minimum distance of 2" (5 cm) from the cutter bar. Adjust the reel height adjustment bolts located on the underside of the reel arms if necessary. Re-check the finger clearance when adjusting finger pitch to avoid damaging the fingers.

## 12 - Calibration Troubleshooting:

Check that the combine is receiving the correct sensor voltages from the header sensors.

Verify the correct combine settings have been entered.

If header is not reacting quick enough, sensitivities may need to be increased. If header is hopping or jumping then sensitivities may need to be decreased.



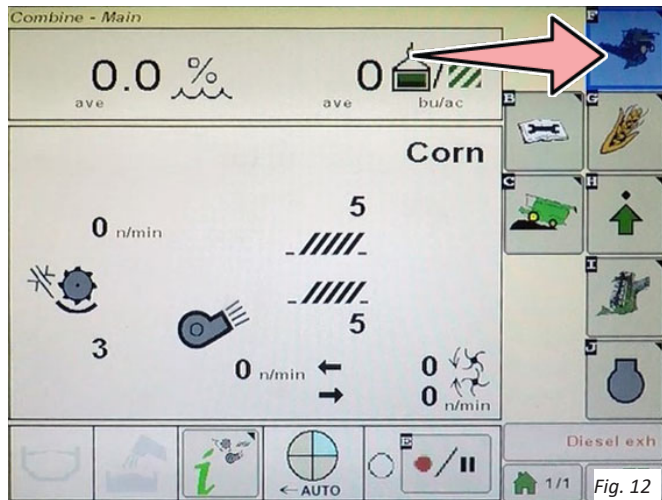
### **NOTE:**

It may be necessary to power down the combine after calibrating or changing settings to get them to take effect.

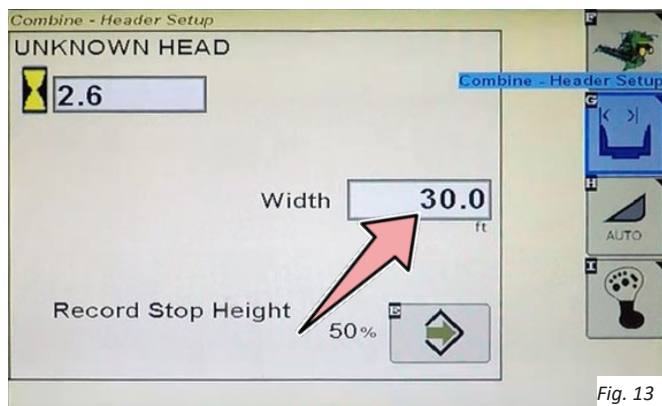


## 13 - John Deere S550 and S600 Series Combines

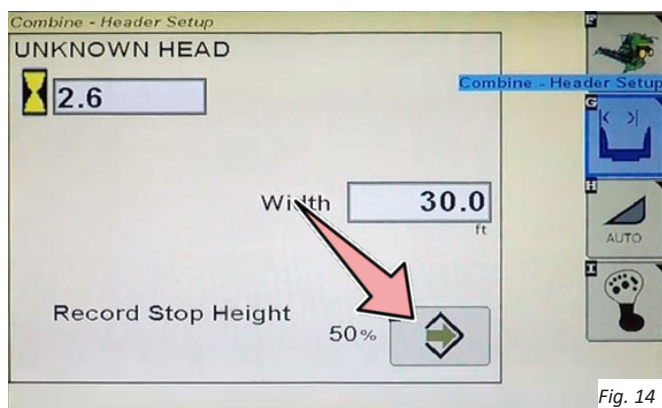
1. Enter the combine's header setup screen by selecting the header icon.



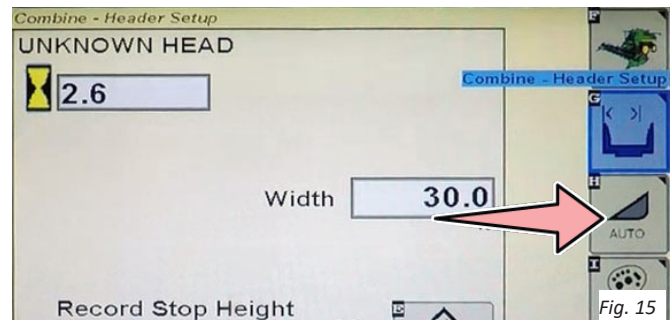
2. Set the header width.



3. Raise the header to 60% of its maximum height and press the enter button to save the value.



4. Select the Auto Header screen via the AUTO button.



5. Ensure the following boxes are checked:
  - Header Height Control
  - Auto HHC
  - Auto reel speed
  - Auto tilt
  - During setup, faceplate angle must be set.

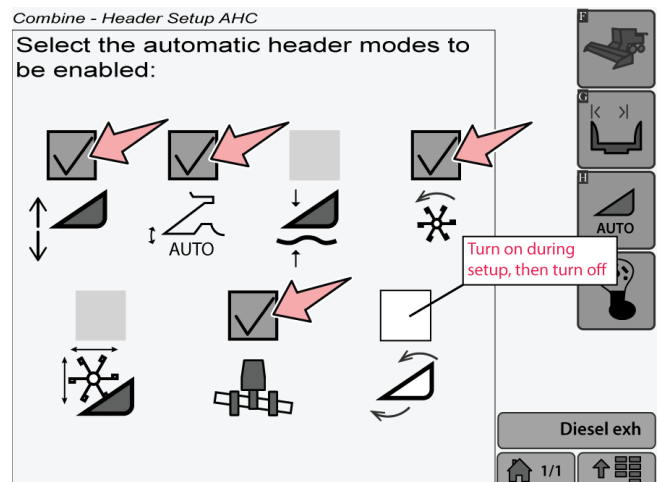


Fig. 16

### NOTE:

If your combine comes equipped with hydraulic fore/aft adjustment on the feederhouse, a good starting point for feederhouse fore/aft position is "-3.5" shown on the combine monitor.

### 13.1 - John Deere S550/S600 Combine Reel PPR settings

1. With the key switch turned on, select the main menu icon on the combine's display.
2. Select the Message Center icon.



3. Enable Technician Mode:

- Select the Addresses Icon



- Hold down the check mark button on the combine's control panel for 30 seconds then release it.



Fig. 17

- A 'T' should appear next to the device drop down box indicating that Technician Mode has been activated.

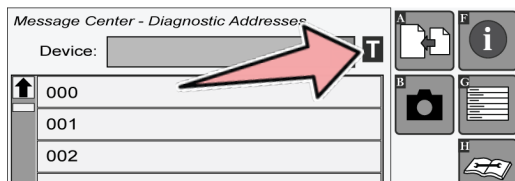


Fig. 18

4. Select the drop down box, scroll down and select LC1.001.

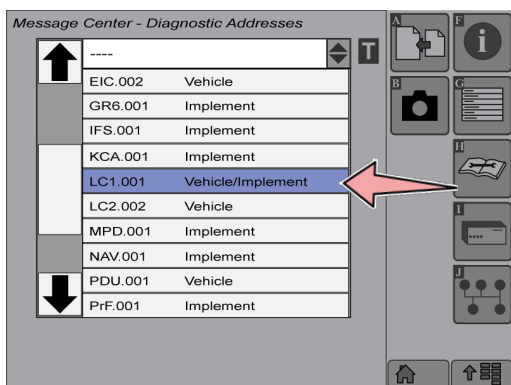


Fig. 19

5. Scroll down and select address 160.

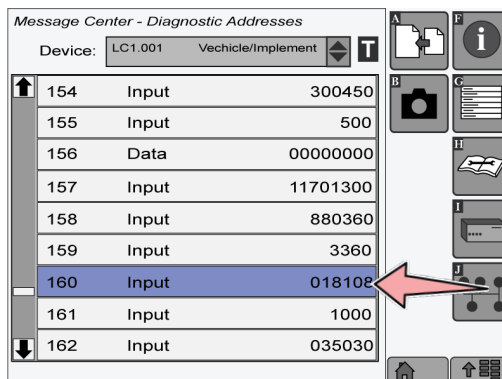


Fig. 20

6. The default value for address should now be displayed on the screen (018108 or 11018108). The 018 portion of this number represents the default PPR for your combine. Select the Accept icon.
7. Replace the 018 section of the number with 048 to accurately reflect the Honey Bee Reel PPR. The number should now be 048108 or 11048108. Press the Accept icon again to accept your changes.
8. If auto reel speed rotates the reel too quickly, increase the ppr until an acceptable reel speed is achieved.

## 14 - John Deere S700 Series Combines

- Set the header width via the header screen



Fig. 21

- Select the Auto Contour icon (A) to get to setup screen.

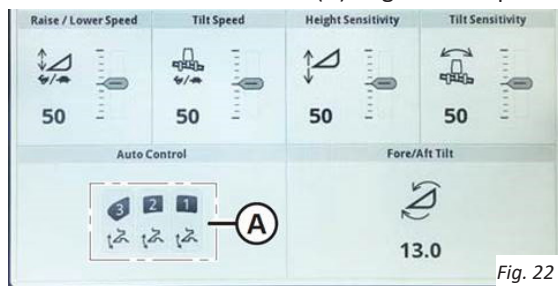


Fig. 22

### NOTE:

If your combine comes equipped with hydraulic fore/aft adjustment on the feederhouse, a good starting point for feederhouse fore/aft position is “-3.5” shown on the combine monitor.

- The following two calibrations must be performed:
  - Feeder House Raise Speed Calibration
  - Header Calibration (Must be performed last)

The following three calibrations can be done if needed but require the header to be removed from the combine:

- Feeder House Lateral Tilt Range Calibration
- Feeder House Lateral Tilt Speed Calibration
- Feeder House Tilt Fore/Aft Range Calibration

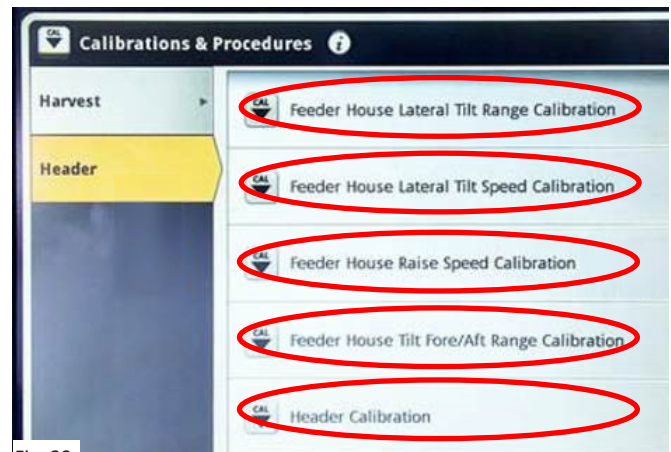


Fig. 23

- Once all the calibrations are done (including the header calibration) then the Header Automation settings can be set. Then set the following **CRITICAL** settings on the Auto Header Controls screen:

- Height Resume: On**
- Height Sensing: Activate**
- Lateral Tilt: Activate**
- Dial-a-Speed: On**
- Fore/Aft Resume: Off**

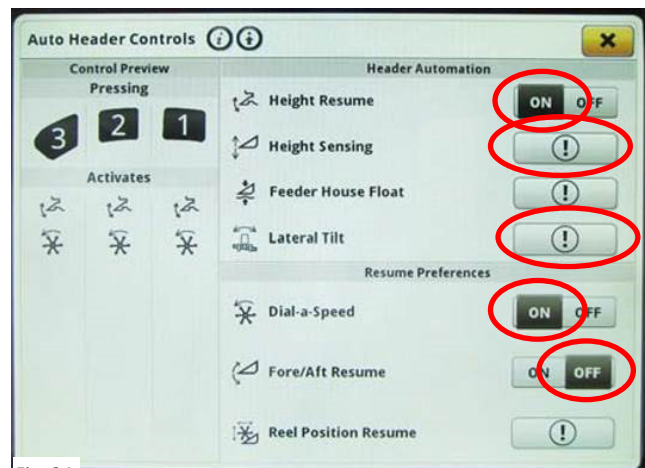


Fig. 24

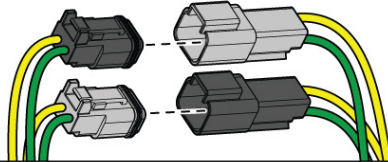


## 15 - John Deere X9 Series Combines

The combine requires a kit from HeadSight to make the system compatible with the Honey Bee header. The Headsight kit should be installed between the header and the combine adapter harness.

1. Install the HeadSight Bridge connection/controller in the cab of the combine.
  - Use CAN bridge harness HT9421.
  - On HT9421:
    - For **John Deere Gen 5 Display**: Connect Y14 to Y17 and Y15 to Y16 (grey to black, black to grey).
    - For **John Deere GS4/4600**: Connect Y14 to Y16 and Y15 to Y17 (grey to grey, black to black).
  - Connect Y936 to the diagnostic connector.
  - Connect Y569 of HT9411 to Y570 of HT9306.
    - Leave Y570 on HT9411 disconnected.
  - Connect HT9306 to cab power strip.
  - Set bridge in corner of cab floor.

John Deere  
Gen 5 Display



John Deere  
GS4/4600

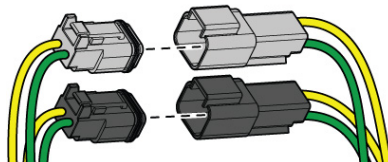


Fig. 25

2. Go into the main page on the combine monitor and select the "ISOBUS VT" tab.

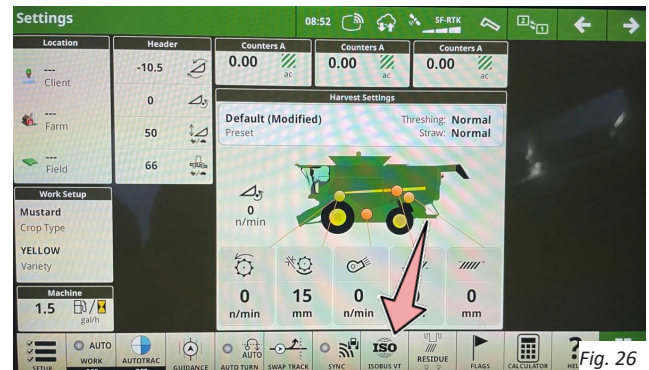


Fig. 26

3. There should be three 'Harvester Headsight Inc.' sections, you will need to access all three.

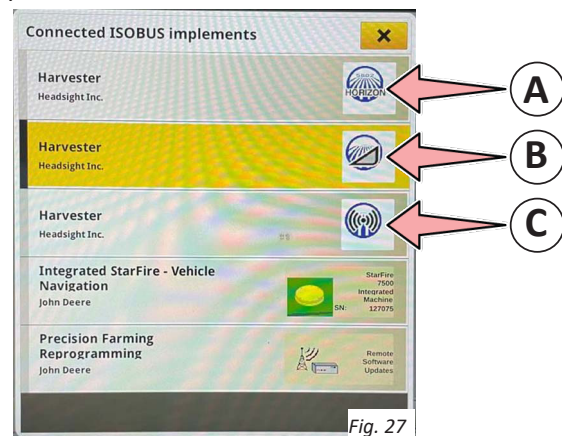


Fig. 27

4. Select the third 'Harvester Headsight Inc.' option (C). Ensure the signal strength is over 50%. Move the bridge controller around the cab to get the best signal strength.

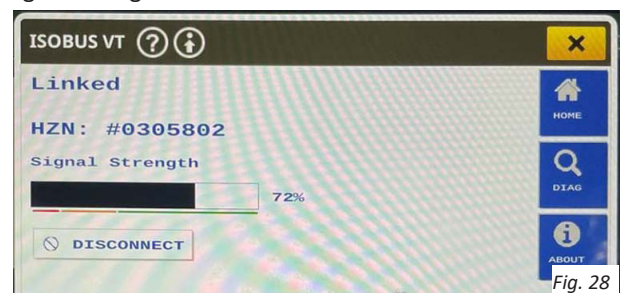


Fig. 28

5. Select the first 'Harvester Headsight Inc.' option (A). This is where you will setup the system for the AirFlex header. Follow the pictures below to setup the header.

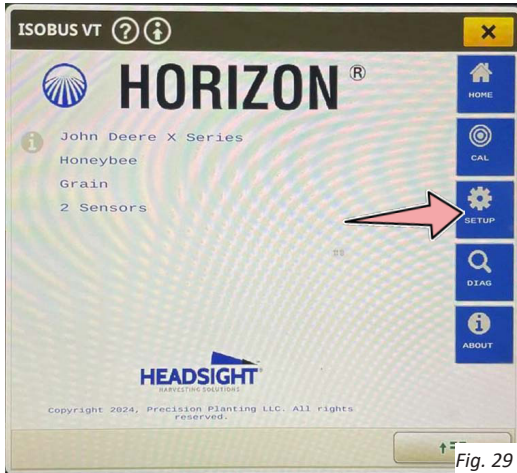


Fig. 29

6. Enter the settings shown below (and on the following page), enter the appropriate header width for your equipment.

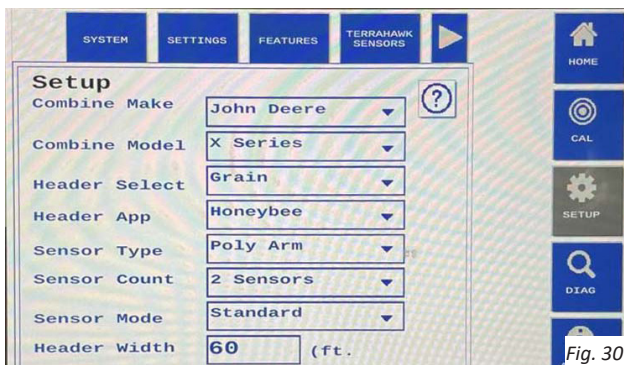


Fig. 30

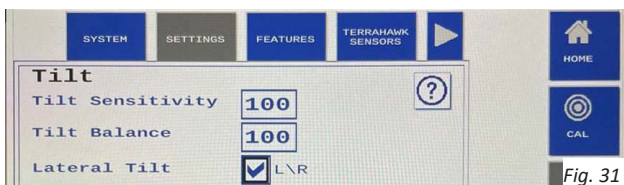


Fig. 31

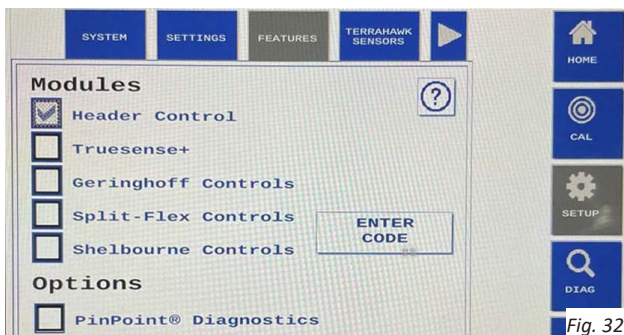


Fig. 32

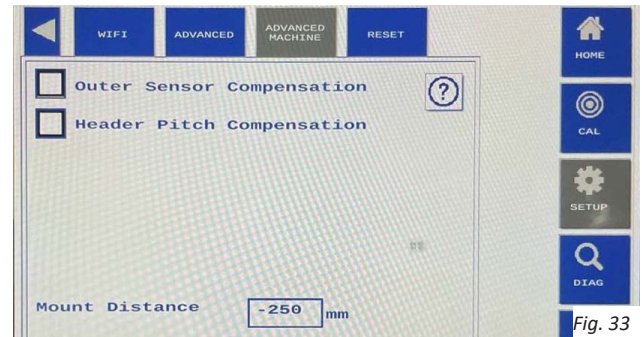


Fig. 33

7. Select the middle 'Harvester Headsight Inc.' option (B on Fig. 27 on page 16). This is the AirFlex specific application where you can check and adjust air pressure, change header modes (FLEX or RIGID), and switch between reel functions and header tilt/skid shoe functions. Set the header mode you will want to calibrate and go to the diagnostics menu.

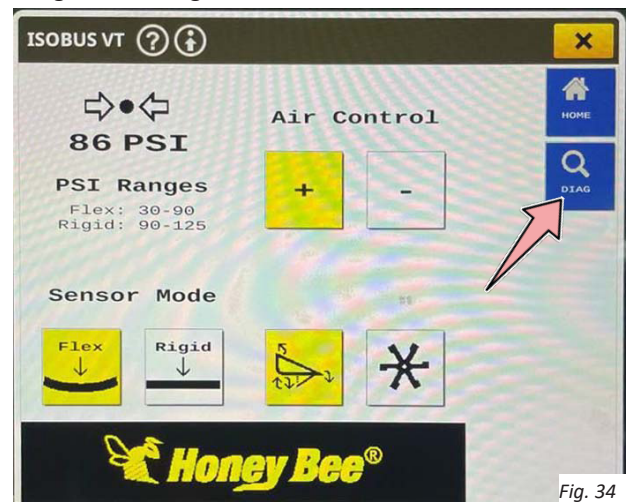


Fig. 34

8. Check the header height control voltages, reel speed signal, reel position sensing (if equipped), air pressure voltage and header angle. Ensure the header height sensors are going through their full range (FLEX 1.50 volts on ground to 3.30-3.40 volts off the ground, and RIGID 1.50 volts with feederhouse pushed all the way down and 3.30-3.40 volts header off the ground).

Signal	Value	Pin
Left Height	3.13V	1
Right Height	3.13V	5
Reel Speed	0 RPM	32
Reel Up/Down	0.03V	41
Reel Fore/Aft	0.03V	42
Air Pressure	3.13V	44
Header Angle	0.9°	

Driver	Value	Pin
Add Air	ON	10
Dump Air	OFF	20
Pitch Select	ON	A1

Fig. 35



9. Return to the first 'Harvester Headsight Inc.' option (A on Fig. 27 on page 16) and select 'CAL' as shown below to enter the calibration screen.

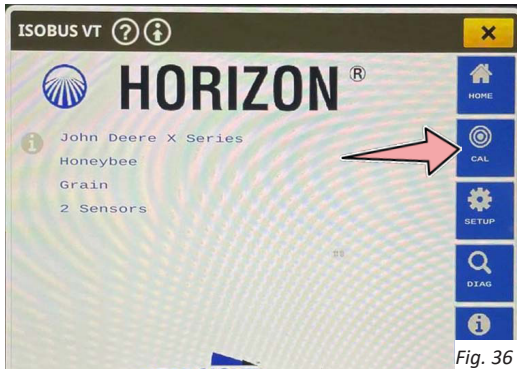


Fig. 36

10. Adjust combine fore-aft pitch to operating angle/ position and set lateral tilt so header is level with the ground (preferably find as level as ground as possible to do calibration). Press OK.

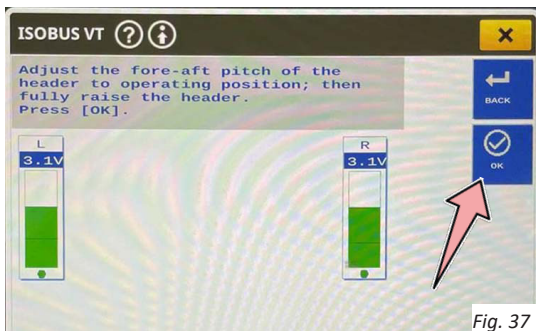


Fig. 37

11. Once you go through the calibration it will bring up the diagnostics menu and give you a score and show the header output voltages (L and R) and then the combine inputs (L, C and R). A score of 80 or higher is acceptable.

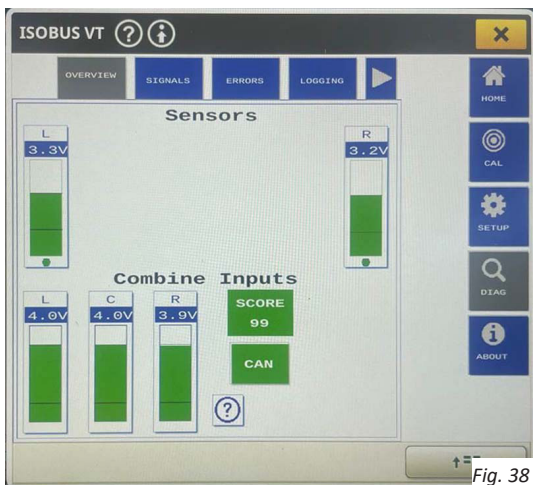


Fig. 38

12. Go to the main menu on the combine monitor and push the physical header button immediately below the screen. The header width will automatically come up. Set the raise/lower speed (raising speed 5-6 seconds from on the ground to fully lifted, and lower speed 6-7 seconds from all the way lifted to on the ground). Then go into the Auto Control tab to set the header controls.

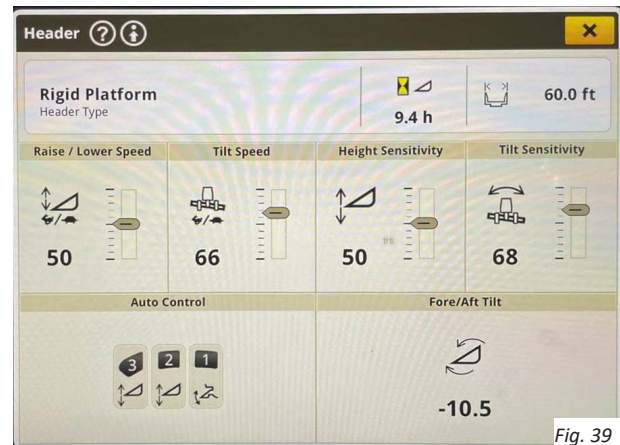


Fig. 39

13. Set the auto header controls as listed below. The Auto Reel Speed can be turn on or off depending on your preference.

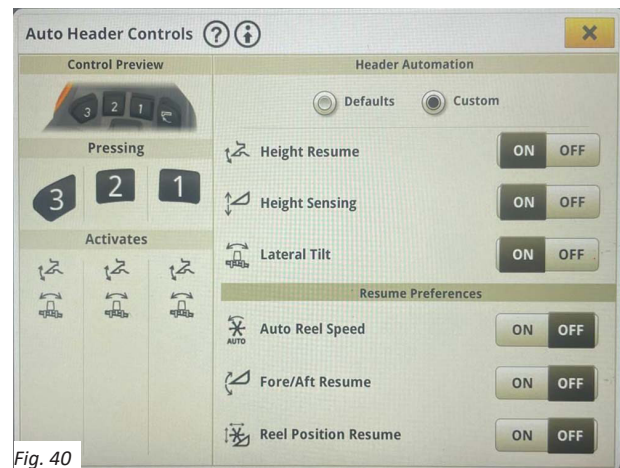


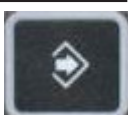

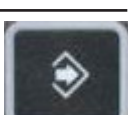






Fig. 40

14. Ensure your air pressure is at correct pressure then hit the #2 button on the joystick once the thresher and header are running. Use the height dial-a-gauge on the console to set the cutting height set point. For Flex mode please reference back to the diagnostics screen in the header icon application in the ISOBUS VT application menu to see the right and left HHC voltage (need to set to 2.0 volts for Flex mode). Then go to the main menu in the HoneyBee application and use the reel function or skid shoe/tilt button to set your functions on your header.

## 16 - John Deere 50/60/70 Series Combines

1. Press the diagnostics button on the cornerpost.	
2. Press the up button until "CAL" is displayed on the screen.	
3. Press the enter button.	
4. Press the up button until "Hdr" is displayed on the screen.	
5. Press the enter button, the screen should show "Hdr-dn".	
6. Lower the header completely to the ground.	
7. Press the calibration button, the screen should show "Hdr-up".	
8. Raise the header to its highest position.	
9. Press the calibration button, the screen should show "EOC".	
10. Press the enter button.	
11. Press the escape button until you return to the main screen.	

12. If calibration fails and the display shows the error ER74 (left height position sensor voltage range less than 2.0 VDC) & ER84 (right height position sensor voltage range less than 2.0 VDC) then the Flex HHC sensor linkage arm can be moved to the rearmost hole on the sensor activation arm in order to get a larger sensor range. See picture below.

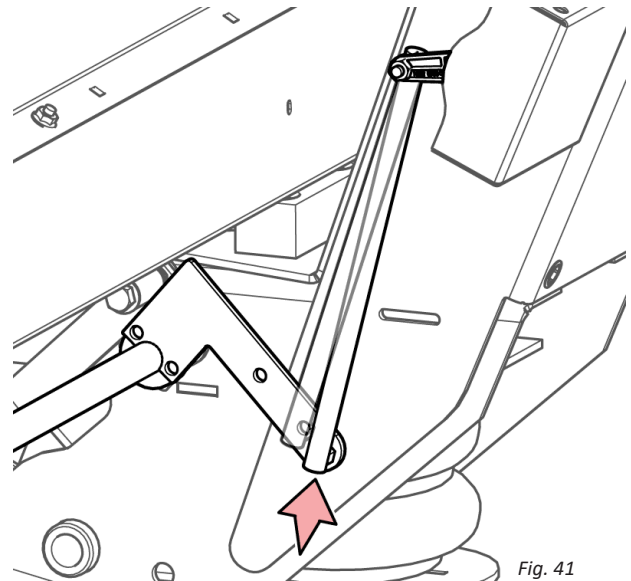


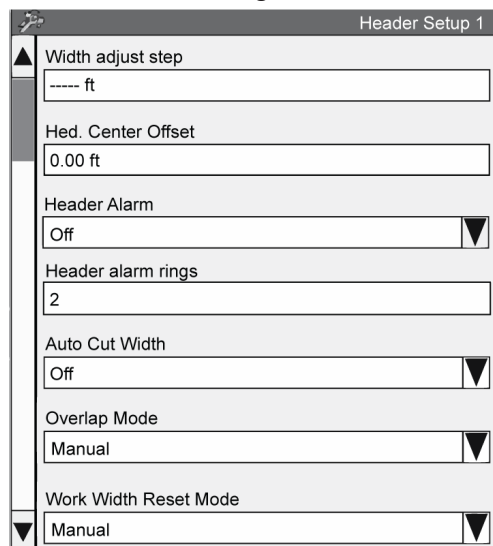
Fig. 41

## 17 - 2018 and Older New Holland Combine Calibrations/Settings

### NOTE:

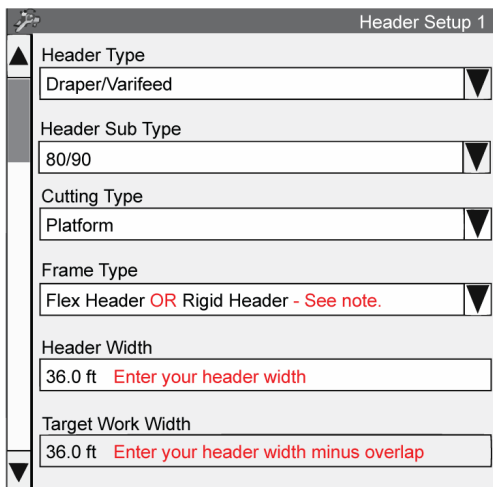
If operating an older New Holland header with a 10 volt header height control system, the combine requires a 10 volt kit from HeadSight to make the system compatible with the Honey Bee header. You will require 1 x INSIGHT and 1 x QB0-NHCR-31C harness to be installed between the header and the combine adapter harness. Contact Headsight for details.

1. Enter the following settings on the Head 1 screen of the combine systems. Enter the width of your header in the Header Width field and Target Work Width field.



Header Setup 1

- Width adjust step: ----- ft
- Hed. Center Offset: 0.00 ft
- Header Alarm: Off
- Header alarm rings: 2
- Auto Cut Width: Off
- Overlap Mode: Manual
- Work Width Reset Mode: Manual



Header Setup 1

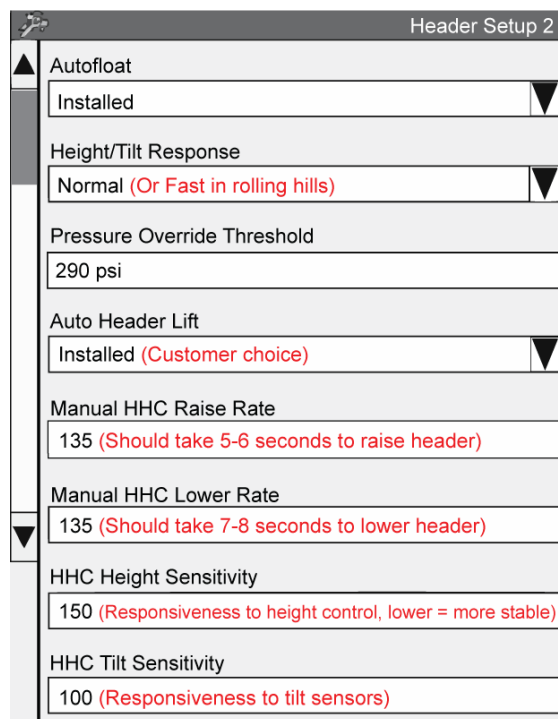
- Header Type: Draper/Varifeed
- Header Sub Type: 80/90
- Cutting Type: Platform
- Frame Type: Flex Header OR Rigid Header - See note.
- Header Width: 36.0 ft Enter your header width
- Target Work Width: 36.0 ft Enter your header width minus overlap

Fig. 42

### NOTE:

For Frame Type, enter Flex header when operating in FLEX mode, and Rigid header when operating in RIGID mode.

2. Ensure the following settings are entered in the Head 2 screen of the combine systems. Use all the values below as a starting point, adjust as necessary to suit your conditions.



Header Setup 2

- Autofloat: Installed
- Height/Tilt Response: Normal (Or Fast in rolling hills)
- Pressure Override Threshold: 290 psi
- Auto Header Lift: Installed (Customer choice)
- Manual HHC Raise Rate: 135 (Should take 5-6 seconds to raise header)
- Manual HHC Lower Rate: 135 (Should take 7-8 seconds to lower header)
- HHC Height Sensitivity: 150 (Responsiveness to height control, lower = more stable)
- HHC Tilt Sensitivity: 100 (Responsiveness to tilt sensors)

Fig. 43

(Continued on following page)



▲	Hydraulic Reel	Installed ▼
	Reel Speed Sensor	Not Installed ▼
	Reel Speed Minimum	2.2 mph
	Reel Speed Offset	0.0 mph
	Reel Speed Slope	133 (The speed increase gain as the combine speed is increased)
▼	Reel Sensor Vertical	Not Installed
	HHC Height Sensitivity	150 (Responsiveness to height control, lower = more stable)
	HHC Tilt Sensitivity	100 (Responsiveness to tilt sensors)

Fig. 45

▲	Reel Sensor Vertical	Not Installed ▼
	Reel Sensor Horizontal	Not Installed ▼
	Knife Fore-Aft	Not Installed ▼
	Knife Position Sensor	Not Installed ▼
	Vertical Knives Type	Not Installed ▼
▼	Hydraulic Reel Reverse	Installed ▼
	Autotilt	Installed ▼
	Autolevel in Headland	Not Installed (Can be installed, levels head in headland mode) ▼

Fig. 46

3. Perform the header height calibration by following the instructions in the combine operators manual.

## 17.1 - New Holland Header Icons

Make sure the header height control setpoint (1 or 2 soft button on the combine console) is pressed and illuminated before setting the cut height setpoint. If the button is not illuminated prior to setting the setpoint the combine may not go into header height control mode.



When in the automatic HHC mode there should be a wavy line under the header in the left hand screen.



If the Pressure Float override is set too low or the header hit the ground hard it will send the header into pressure override. When it does a wavy line plus an up arrow will appear. Depending on the duration it may be possible that pushing the resume button may be needed.



If a straight line is under the header the Automatic HHC has been turned off.



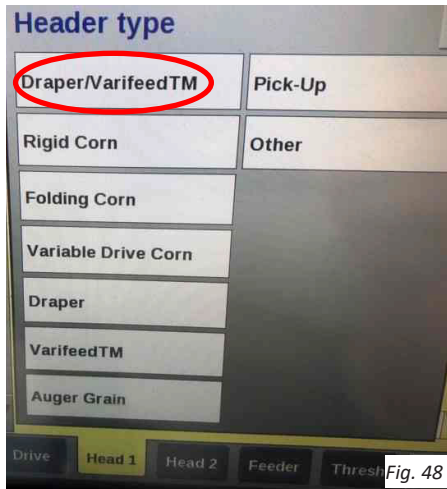
## 17.2 - For Variable Speed Combines

On variable speed feederhouse combines make sure the output PTO speed is set at no more than 575 RPM. PTO speeds in excessive of 575 RPM can result in premature failure of knife drive components.

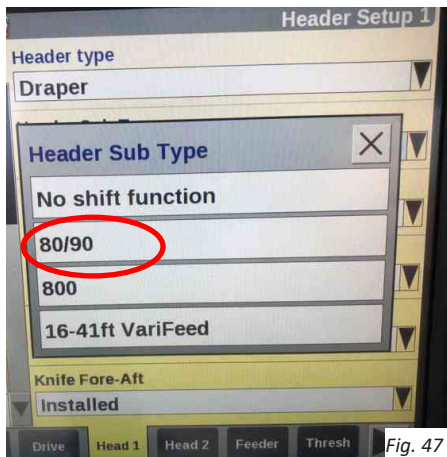
## 18 - 2019 to 2024 New Holland Combine Calibrations/Settings – Intelliview IV Monitor

NOTE: This section shows settings for Pro700 and older monitor. This section shows 2022 software specifically.

1. Set **header type** as “Draper/Varifeed TM”.



2. Set **header sub type** as “80/90”.



3. Set the rest of the options on Header Setup 1 screen as follows:

**Frame type:**

Flexhead in FLEX mode and Rigid head in RIGID mode.

**Vertical Knife Type:** Not installed

**Header Flotation Pressure Sensor:** Installed.

**Knife Fore-Aft:** Not Installed.



**Hydraulic Reel Reverse:**  
Installed

**Header width:** Width of your header.



4. Set the options on the Header Setup 2 screen as follows:

**Hydraulic Reel:** Installed

**Reel Speed Sensor:** Not installed.

**Reel Horizontal Position Sensor:** Not installed.

**Reel Vertical Position Sensor:** Not installed.

**Reel Speed Minimum:**  
Operator's Choice

**Maximum Work Height:**  
At least 50%.

**Autofloat:** Installed

**Auto Header Lift:**

Installed  
Note: this raises the header when combine is in reverse.

**Autotilt in Headland:**  
Installed

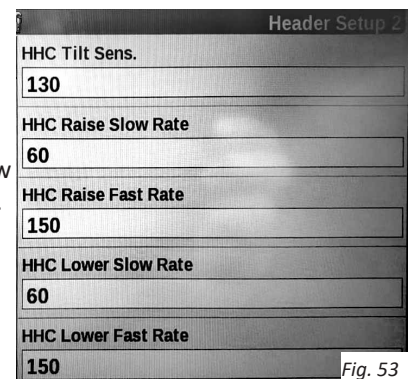
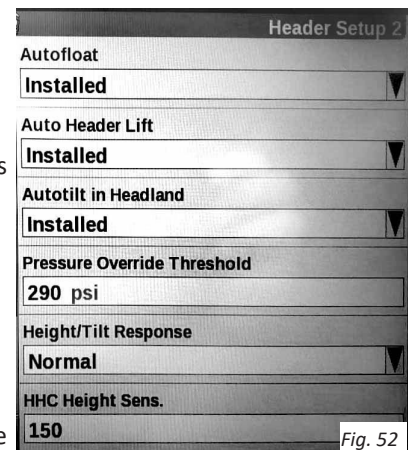
**Pressure Override Threshold:** 290 psi

**Height/Tilt Response:**  
Normal but other choice is Fast

**HHC Height Sens.:** Set at least 150 to start and then adjust as needed.

**HHC Tilt Sens.:** Start low and increase as needed.

The rest of the Raise and Lower rates and Sensitivity settings vary by header size and configuration, these settings can be used to fine tune header response.



5. To finish the configuration process, access the Dealer mode in the monitor by first turning off the combine, then turning the key to the 'on' position without actually starting the engine.

6. Hold both the auger unload button and header resume until the technician icon shows up. You will now be in dealer mode until you shut the key off.



Fig. 55

7. A small 'technician' icon will appear on the display when going into dealer mode.



Fig. 56

8. The three items that are revealed by the technician mode can be located in the Header Setup 2 screen:

**Reel Diameter**
**Reel Displacement per Revolution (cc/rev)**
**AutoFloat II**

Header Setup 2	
Reel Diameter	42.52 inch
Reel Displacement per Revolution (cc/rev)	600 cc
Maximum Work Height	50 %
Autofloat	Installed
AutoFloat II	Enable

Fig. 54

9. On variable speed feederhouse combines make sure the output PTO speed is set at no more than 575 RPM. PTO speeds in excessive of 575 RPM can result in premature failure of knife drive components.
10. Perform the header height calibration by following the instructions in the combine operators manual.

## NOTE:

In some cases during calibration the screen may state that the inclination sensors need to be calibrated. This can be dismissed by using the enter button.

This has nothing to do with the HHC controls. The new system gets the adjustments down 1% or less. This is some of the controls for the automatic crop settings.

## 18.1 - New Holland Header Icons

Make sure the header height control setpoint (1 or 2 soft button on the combine console) is pressed and illuminated before setting the cut height setpoint. If the button is not illuminated prior to setting the setpoint the combine may not go into header height control mode.



When in the automatic HHC mode there should be a wavy line under the header in the left hand screen.



If the Pressure Float override is set too low or the header hit the ground hard it will send the header into pressure override. When it does a wavy line plus an up arrow will appear. Depending on the duration it may be possible that pushing the resume button may be needed.



If a straight line is under the header the Automatic HHC has been turned off.



## 18.2 - For Variable Speed Combines

On variable speed feederhouse combines make sure the output PTO speed is set at no more than 575 RPM. PTO speeds in excessive of 575 RPM can result in premature failure of knife drive components.



## 19 - New Holland Combine Calibrations/Settings – Intelliview 12 Monitor

NOTE: Depending on your model and version of software installed, your display and settings may look different.

### 1. Enter the following into the Header/Basic setup screen.

- Header Name: Make your own (AirFlex)
- Brand: Other
- Header Sub Type: 80/90
- Frame Type: Rigid
- AutoFloat: Installed
- Shift + Header Up/Dn: Header Features (can toggle back and forth).

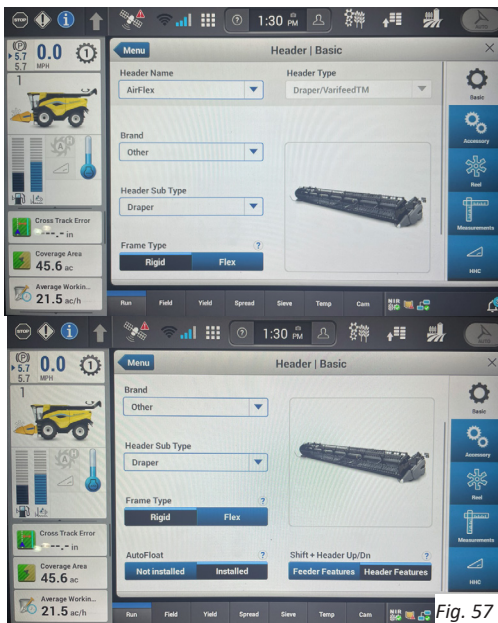


Fig. 57

### 2. Enter the following into the Header/Accessory setup screen.

- Header Fore/Aft Tilt: Installed
- Header Flotation Pressure Sensor: Not installed
- Vertical Knife Type: Not installed

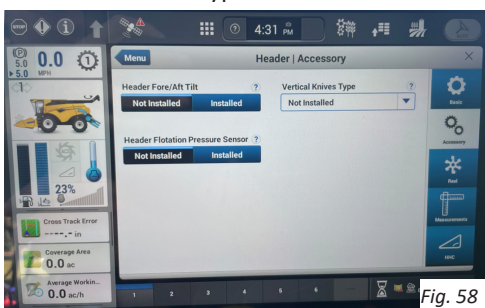


Fig. 58

### 3. Enter the following into the Header/Reel setup screen.

- Header Reel: Installed
- Hydraulic Reel Reverse: Your preference
- Reel Speed Sensor: Not installed
- Reel Speed Minimum: Your preference
- Reel Speed Offset: Your preference
- Reel Horizontal and Vertical Pos. Sens.: Not installed
- Auto Reel Position Control: Disabled
- Reel Diameter: 59.1in
- Displacement/Revolution: 694cc

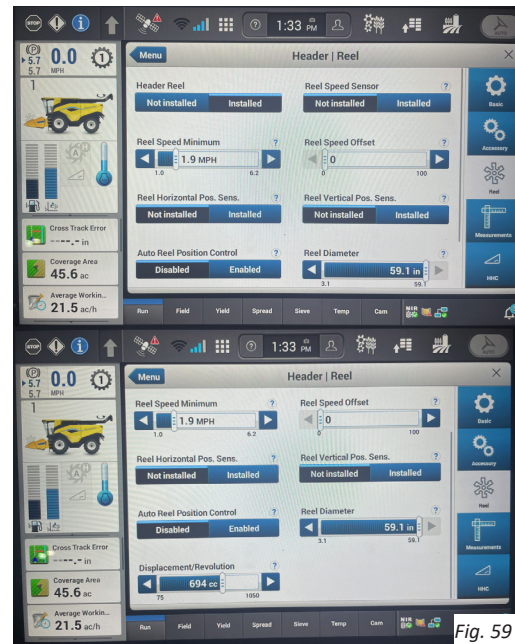


Fig. 59

### 4. Enter the following into the Header/Measurements setup screen:

- Header Width: Width of header
- Target Work Width: Your preference
- Header Center Offset: 0.00ft
- Auto Cut Width: ON
- Cut Width Adjust Step: Your preference

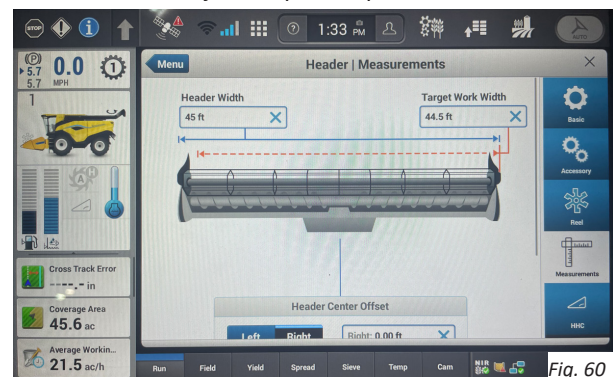


Fig. 60

5. Enter the following into the Header/HHC setup screen:

- Maximum Work Height: At least 50%
- Auto-Level in Headland: Installed
- Auto-Tilt in HeadLand: Installed
- Auto Header Lift: Installed (Note: This raises the header when combine is reversed).
- HHC Height Sensitivity: Start at 150 to start then increase as needed.
- Headland Turn Sequence: Your preference
- HHC Tilt Sensitivity: Start low and increase as needed
- Height/Tilt Response: Normal but other choice is fast.
- Auto Height Override: Disabled
- HHC Raise and Lower Rates: The rest of the Raise and Lower rates and Sensitivity settings vary by header size and configuration, these settings can be used to fine tune header response.
- Lateral Tilt HHC: Enabled
- Pressure Override Threshold: 290.1 psi

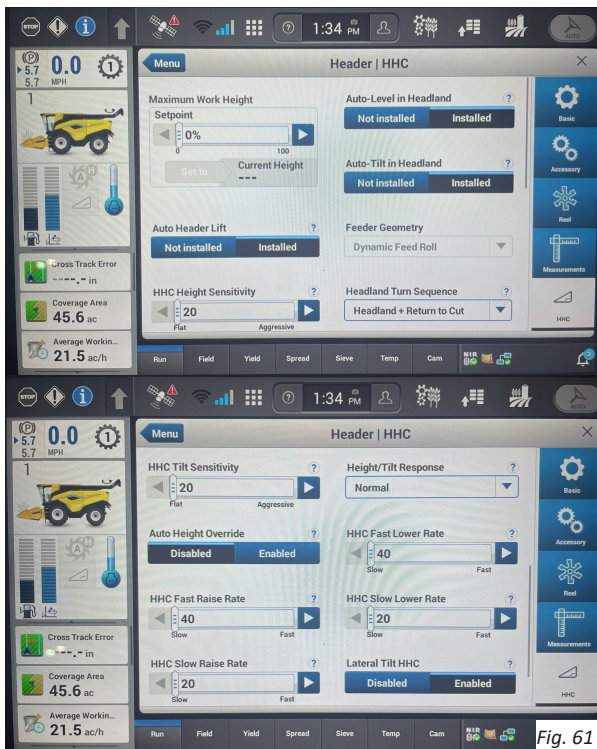


Fig. 61

6. Perform the header height calibration by following the instructions in the combine operators manual.

## 19.1 - New Holland Header Icons

Make sure the header height control setpoint (1 or 2 soft button on the combine console) is pressed and illuminated before setting the cut height setpoint. If the button is not illuminated prior to setting the setpoint the combine may not go into header height control mode.



When in the automatic HHC mode there should be a wavy line under the header in the left hand screen.



If the Pressure Float override is set too low or the header hit the ground hard it will send the header into pressure override. When it does a wavy line plus an up arrow will appear. Depending on the duration it may be possible that pushing the resume button may be needed.

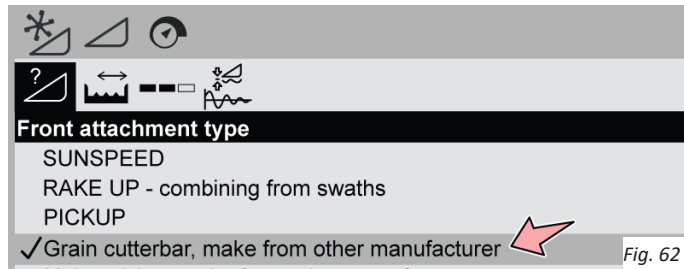


If a straight line is under the header the Automatic HHC has been turned off.

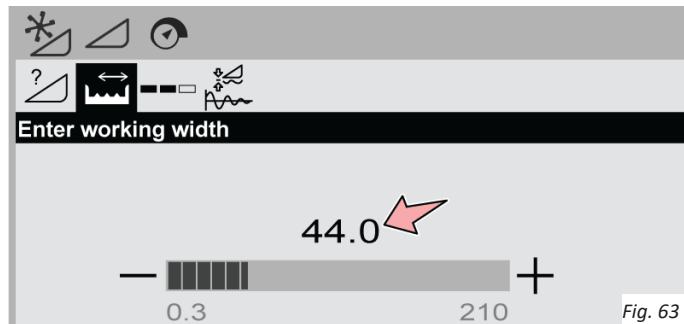


## 20 - Claas Lexion 6/700 Series Combine Calibration/Settings

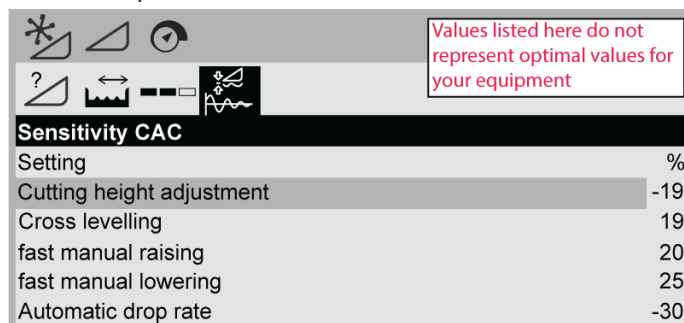
1. Select the front attachment type "Grain cutterbar, make from other manufacturer"



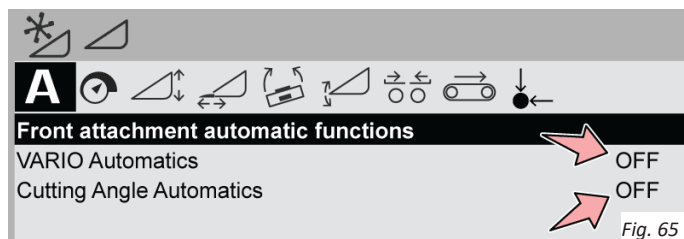
2. Enter the width of your header minus your intended overlap (the example below is the value entered for a 45ft header with 1ft overlap)



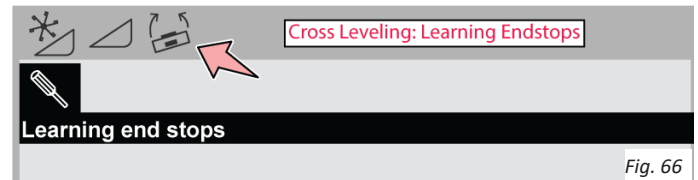
3. Ensure the settings listed below are entered into the sensitivity screen.



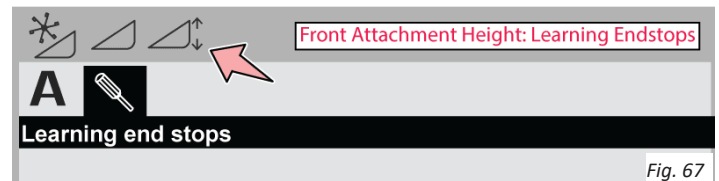
4. Ensure VARIO Automatics and Cutting Angle Automatics are turned OFF.



5. Run the learning endstops procedure in the Cross Leveling section of the menu.

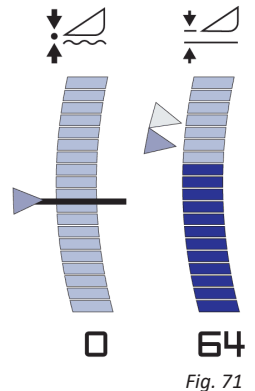


6. Run the learning endstops procedure in the Front Attachment Height section of the menu.

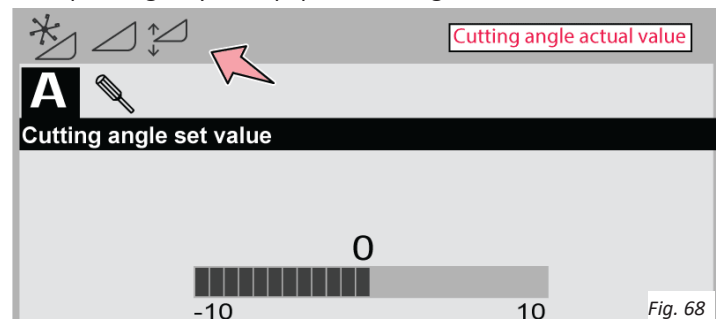


7. Return to the main menu, and find the header bar graphs. Lift the header through its full range and ensure the bar graphs go through their correct ranges.

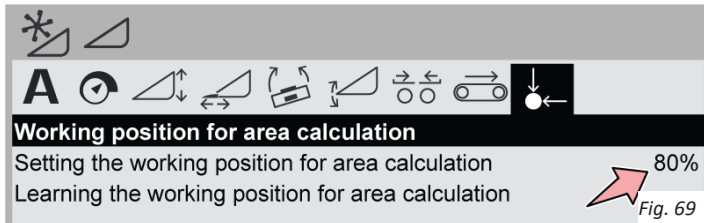
- The right bar graph is the feederhouse position sensor and will go from 0 to 100 through the full range of motion.
- The left bar graph will be 0 when header is hard on the ground. The bar graph will be 50 when the header starts to lift off the ground and will be 100 as the header sensors clear the ground.
- If the bar graph numbers follow this process the calibration is good.



8. Set the feeder house angle for the combine to 0 as shown below. This value may require further adjustment depending on your equipment configuration.



9. Set the Working position for area calculation to approximately 80%.



10. After all calibrations are done you can go ahead and set the header cutting height and use the bottom of the cutting height button on the multi-function handle.



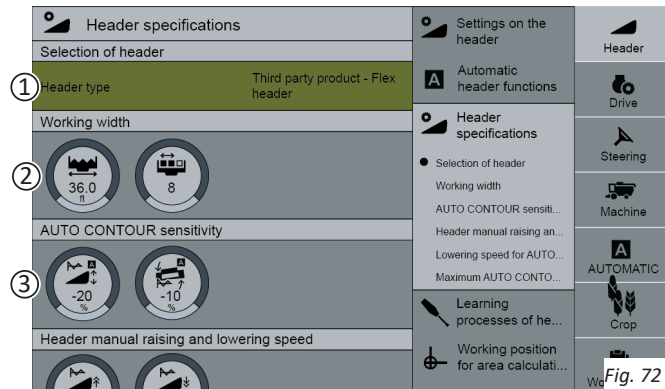
11. On variable speed feederhouse Claas combines make sure the output PTO speed is set at no more than 767 RPM. PTO speeds in excess of 767 RPM can result in premature failure of knife drive components.

On 6/700 Series Claas combines with variable speed feederhouse drive the output speed shown in cab monitor has a range of 300-420 RPM which is measuring the top shaft of the combine. Please set speed to 420 RPM which will correspond to a output PTO speed of 767 RPM.

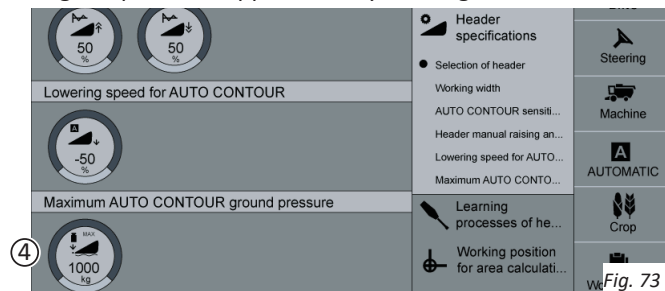


## 21 - Claas Lexion 6/7/8000 Series Combine Calibration/Settings

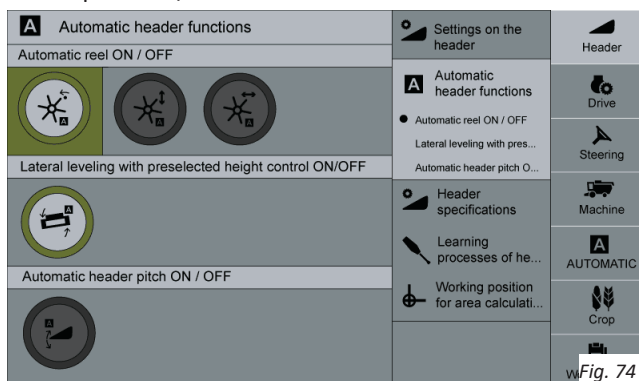
1. Select the header type via the “Header specifications” tab. Select “Third party product – Flex header”.
2. Select header width in “Header specifications” tab.
3. Set initial “Auto Contour sensitivity” and “Header manual raising and lower speed”.



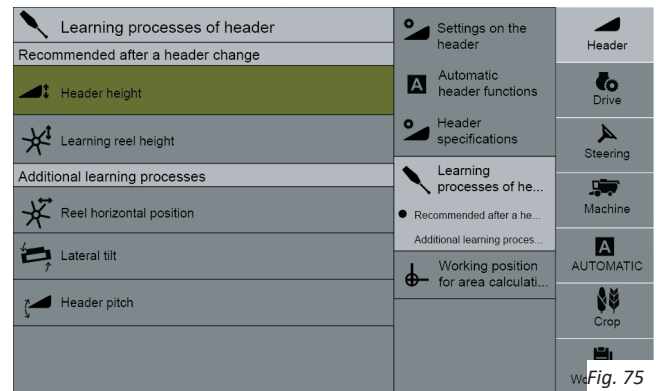
4. Set Maximum Auto Contour ground pressure. Set this as high as possible. Approximately 1000 kg.



5. Go to the AutoMatic header functions screen. Ensure Automatic reel speed is turned on and Automatic reel height and fore/aft is turned off. Ensure Lateral leveling with preselected height control ON/OFF is ON and Automatic header pitch ON/OFF is OFF.



6. Go to the “Learning processes of header” screen and do the calibrations for the header pitch, lateral tilt, then the Header height.



7. Return to the main menu, and find the header bar graphs. Lift the header through its full range and ensure the bar graphs go through their correct ranges.

- The right bar graph is the feederhouse position sensor and will go from 0 to 100 through the full range of motion.
- The left bar graph will be 0 when header is hard on the ground. The bar graph will be 50 when the header starts to lift off the ground and will be 100 as the header sensors clear the ground.
- If the bar graph numbers follow this process the calibration is good.

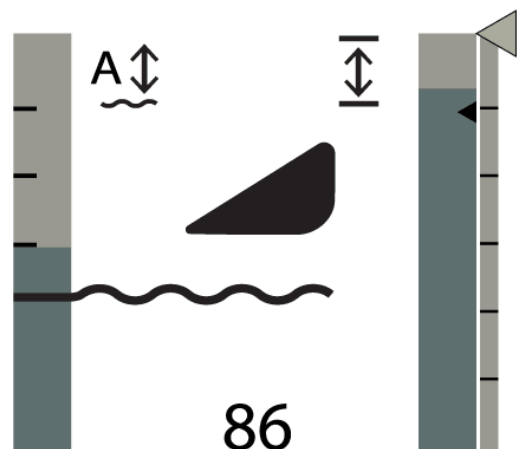
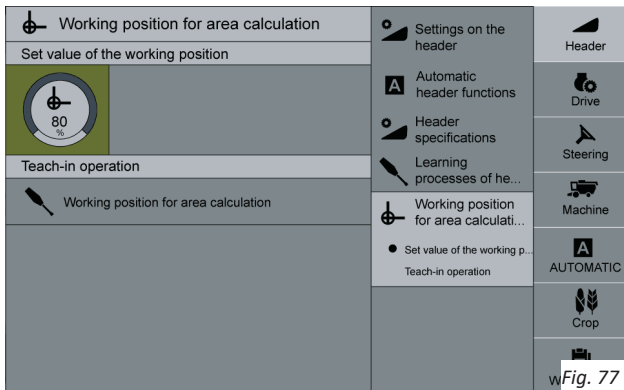


Fig. 76



8. Go to the “Working position for area calculation” screen and set it to 80%.



9. After all calibrations are done you can go ahead and set the header cutting height and use the bottom of the cutting height button on the multi-function handle.



10. On variable speed feederhouse Claas combines make sure the output PTO speed is set at no more than 767 RPM. PTO speeds in excessive of 767 RPM can result in premature failure of knife drive components.

## NOTE:

On later model Claas combines you may have to install a voltage converter on the header to send correct voltage to the header sensors.

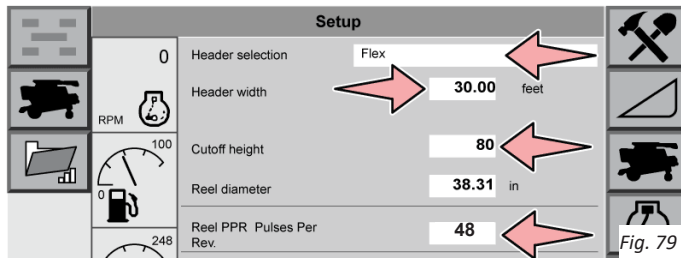
See you AirFlex NXT operators manual for more information.

## 22 - Massey Ferguson Combine Calibration/Settings

NOTE: In order for header height control to function on older model Massey Ferguson combines, a ball valve must be installed on the accumulator and closed. Consult your Massey Ferguson dealer for more information on adding this ball valve to your accumulator.

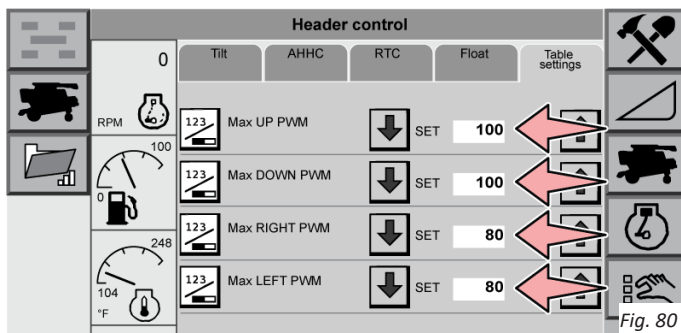
1. In the combine setup screen:

- Select the “Flex” header type
- Enter the width of your header under “Header Width”
- Set the “Cutoff Height” to 80%.
- Reel PPR: 48.



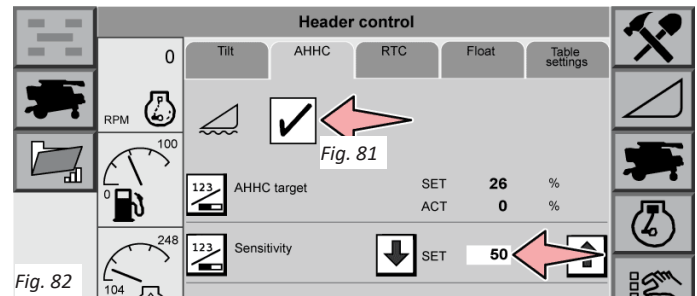
2. In the Header Control Table settings tab:

- Set both Max UP PWM and Max DOWN PWM to 100.
- Set both Max RIGHT PWM and Max LEFT PWM to 80.



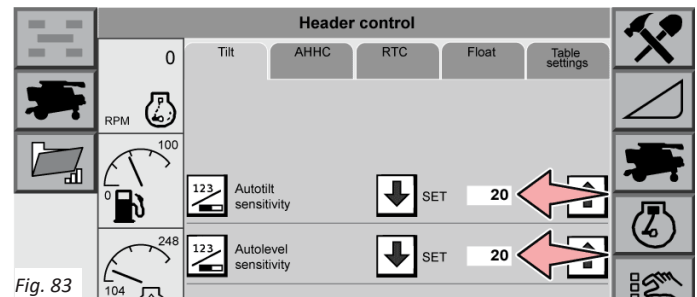
3. On the AHHC tab:

- Ensure Automatic Header Height Control is enabled (check mark)
- Set the sensitivity to 50% as a starting point.



4. On the Tilt tab:

- Set the Autotilt sensitivity to 20%
- Set the Autorelevel sensitivity to 20%



Note: The optimal lateral tilt sensitivity value is directly related to the auto header height control sensitivity and can be found using the following equation:

$$\text{Lateral Tilt Sensitivity} = \left( \frac{\text{AHHC Sensitivity}}{2} \right) - 10\%$$

5. Perform the header height calibration by following the instructions in the combine operators manual.

## 23 - Case Flagship Combine Calibrations/Settings – Pro 1200 Monitor

NOTE: Depending on your model and version of software installed, your display and settings may look different.

1. Enter the following parameters into the Header/Basic setup screen.

- Header Name: Make your own (AirFlex)
- Header Type: Draper/Varifeed
- Brand: Other
- Header Sub Type: 2000
- Frame Type: Rigid
- Butting Type: Platform
- Header Sensors: Installed
- Shift + Reel Fore/Aft: Header features (can toggle back and forth)
- MFH Raise/Lower Config.: Your preference

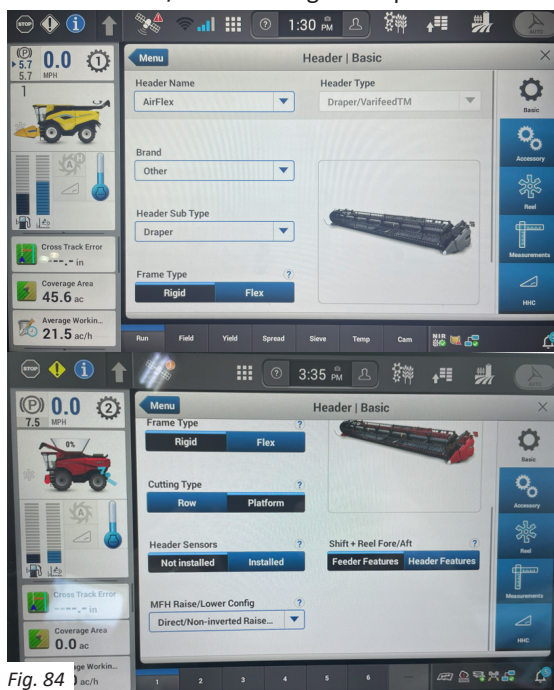


Fig. 84

2. Enter the following into the Header/Accessory setup screen.

- Header Fore/Aft Tilt: Installed
- Header Pressure Float: Not installed
- Vertical Knife Type: Not installed

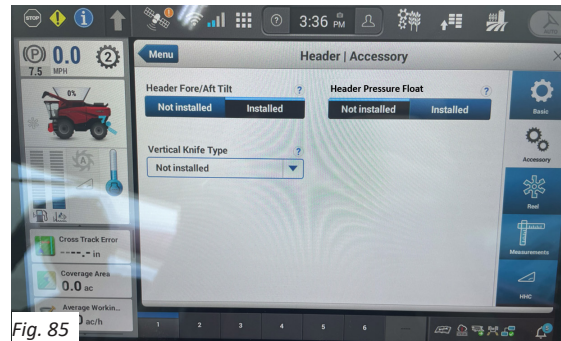


Fig. 85

3. Enter the following into the Header/Reel setup screen.

- Header Reel: Installed
- Hydraulic Reel Reverse: Your preference
- Reel Speed Sensor: Not installed
- Reel Speed Minimum: Your preference
- Reel Speed Offset: Your preference
- Reel Horizontal and Vertical Pos. Sens.: Not installed
- Auto Reel Position Control: Disabled
- Reel Diameter: 59.1in
- Displacement/Revolution: 694cc



Fig. 86

4. Enter the following parameters into the Header/Measurements setup screen:

- Header Width: Width of header
- Target Work Width: Your preference
- Header Center Offset: 0.00ft
- Auto Cut Width: ON
- Cut Width Adjust Step: Your preference

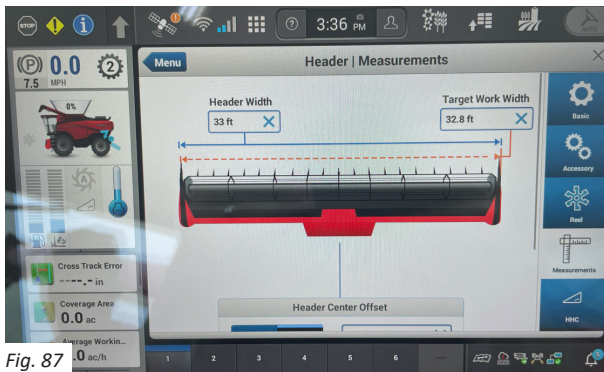


Fig. 87

5. Enter the following into the Header/HHC setup screen:

- Maximum Work Height: At least 50%
- Auto-Tilt in HeadLand: Installed
- Auto Header Lift: Installed (Note: This raises the header when combine is reversed).
- HHC Height Sensitivity: Start at 150 to start then increase as needed.
- Headland Turn Sequence: Your preference
- HHC Tilt Sensitivity: Start low and increase as needed
- Height/Tilt Response: Normal but other choice is fast.
- Auto Height Override: Disabled
- HHC Raise and Lower Rates: The rest of the Raise and Lower rates and Sensitivity settings vary by header size and configuration, these settings can be used to fine tune header response.
- Pressure Override Threshold: 290.1 psi.
- Pressure Float Mode: Disabled

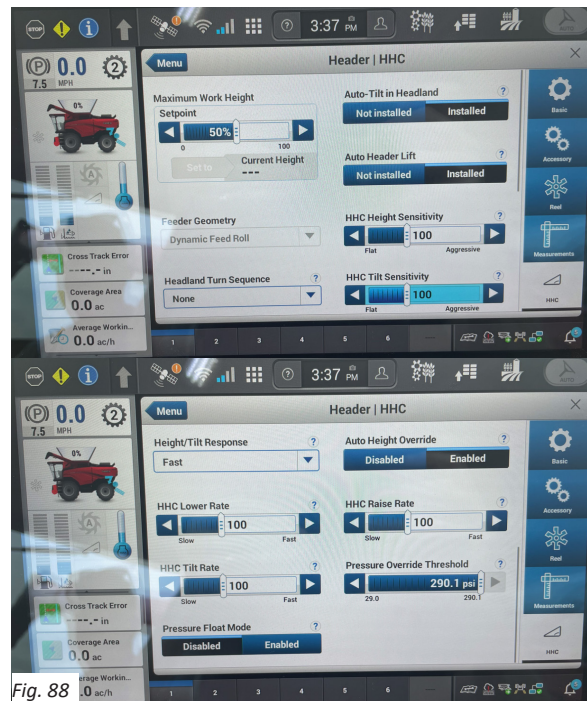


Fig. 88

6. Perform the header height calibration by following the instructions in the combine operators manual.

7. When in the automatic HHC mode there should be a wavy line under the header in the left hand screen.

If the Pressure Float override is set too low or the header hit the ground hard it will send the header into pressure override. When it does a wavy line plus an up arrow will appear. Depending on the duration it may be possible that pushing the resume button may be needed.

If a straight line is under the header the Automatic HHC has been turned off.

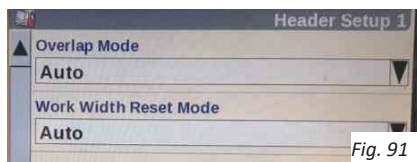
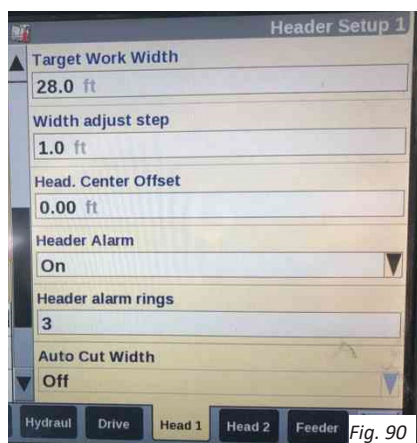
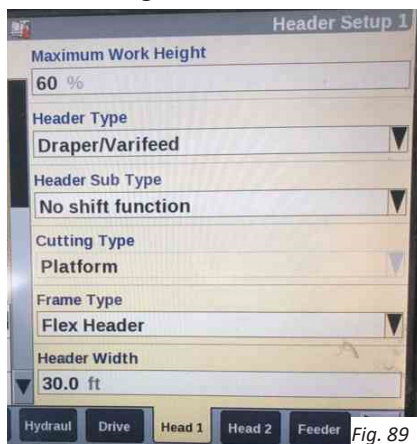




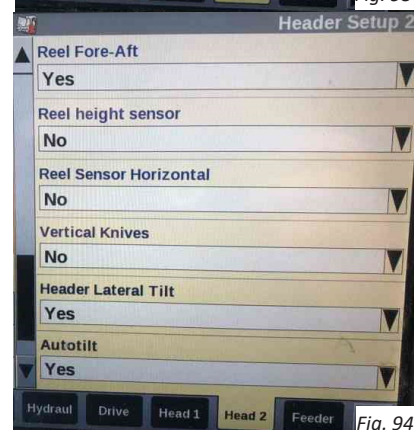
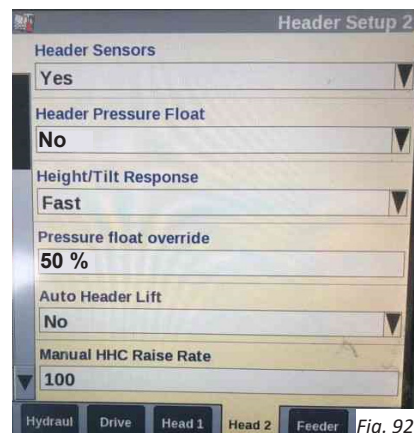
## 24 - Case Flagship Combine Calibrations/Settings – Pro 700/600 Monitor

This section covers the CaseIH 7120, 8120, 9120, 7240, 8240, 9240, 7250, 8250 and 9250 combines.

1. Enter the following settings on the Header Setup 1 screen of the combine systems. Enter the width of your header in the Header Width and Target Work width fields.



2. Ensure the following settings are entered in the Header Setup 2 screen of the combine systems. Use all the values below as a starting point, adjust as necessary to suit your conditions.



3. Perform the header height calibration by following the instructions in the combine operators manual.
4. Engage thresher, lower header to low cut height, engage header, then hold the "1" HHC soft key to set the cutting set point.



Fig. 96

5. The header height control then will enable and a curvy line will show up under the header icon showing the header height control is working properly.

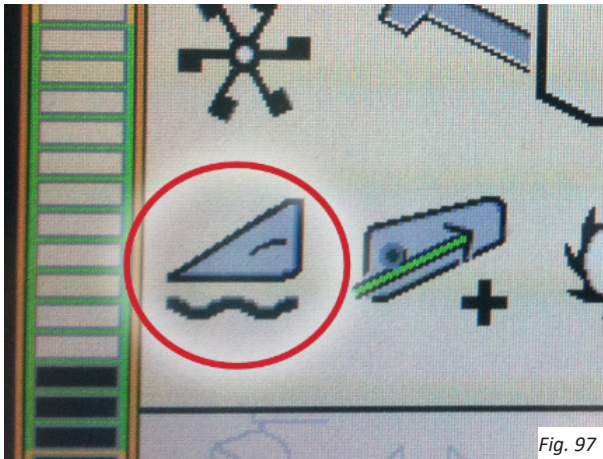


Fig. 97

## 24.1 - CASE IH Header Icons

When in the automatic HHC mode there should be a wavy line under the header in the left hand screen.



If the Pressure Float override is set too low or the header hit the ground hard it will send the header into pressure override. When it does a wavy line plus an up arrow will appear. Depending on the duration it may be possible that pushing the resume button may be needed.



If a straight line is under the header the Automatic HHC has been turned off.



## 24.2 - For variable speed combines

On variable speed feederhouse combines make sure the output PTO speed is set at no more than 575 RPM. PTO speeds in excessive of 575 RPM can result in premature failure of knife drive components.

## 25 - Case Mid-range Combine Calibration/Settings

This section covers CaseIH 5130, 6130, 7130, 5140, 6140, 7140, 5150, 6150, 6160, 7150 and 7160 combines.

1. Enter the following settings on the Header Setup 1 screen of the combine systems. Enter the width of your header in the Header Width and Target Work width fields.

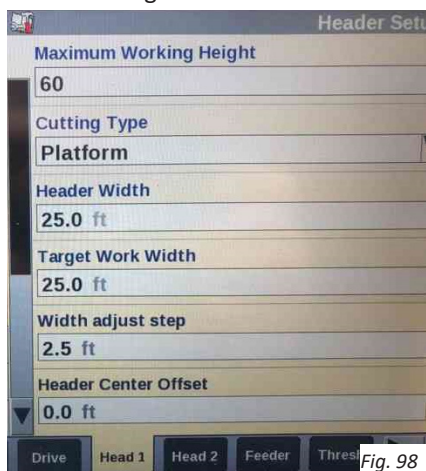


Fig. 98

2. Ensure the following settings are entered in the Header Setup 2 screen of the combine systems. Use all the values below as a starting point, adjust as necessary to suit your conditions.



Fig. 99

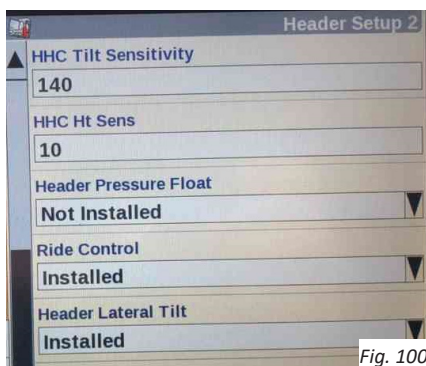


Fig. 100

3. Engage thresher, lower header to low cut height, engage header, then hold the "1" HHC soft key to set the cutting set point.



Fig. 101

4. The header height control then will enable and a curvy line will show up under the header icon showing the header height control is working properly.

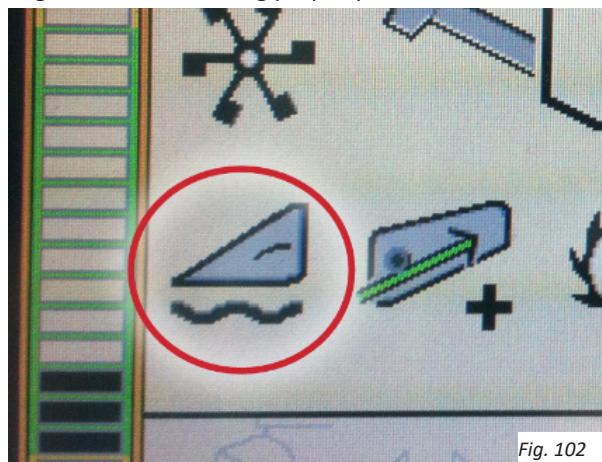


Fig. 102

### 25.1 - CASE IH Header Icons

When in the automatic HHC mode there should be a wavy line under the header in the left hand screen.



If the Pressure Float override is too low or the header hit the ground hard it will send the header into pressure override. When it does, a wavy line plus an up arrow will appear. It may be possible that pushing the resume button may be needed.



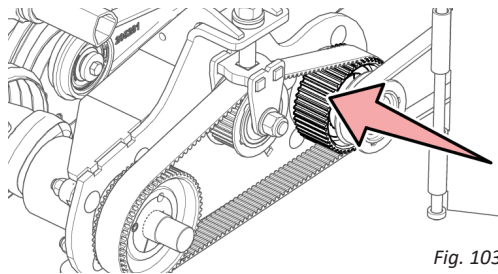
If a straight line is under the header the Automatic HHC has been turned off.





## **25.2 - Check combine PTO Output Speed**

To ensure proper performance of Mid-Range CaseIH combines, verify that the PTO feederhouse speed to the header is set to 565-575 RPM. If the PTO speed exceeds this range and cannot be adjusted, change the knife drive timing belt gear ratio to slow the knife to below 620 RPM. If the PTO speed is above 575 RPM, replace the 47 tooth sprocket with the 50 tooth sprocket that is included with the header when the Mid-Range CaseIH combine adapter is installed.



*Fig. 103*

## **25.3 - Combine Header Calibration.**

1. Park combine on level ground with the engine running.
2. Thresher and header must be turned off.
3. Lower the header to the ground and hold down button for 2 seconds after the header has contacted the ground.
4. Raise the header fully to the top without releasing the raise button. If the header pauses momentarily while lifting this indicates that the calibration was completed successfully.

## 26 - Fendt Ideal Combine Calibration/ Settings

1. Ensure the AutoMatic HHC button and AutoMatic tilt buttons are pressed on the armrest console.



Fig. 104

2. Second step is selecting all the header parameters in the combine monitor. Select the combine icon.



Fig. 105

3. Then select the header settings icon:

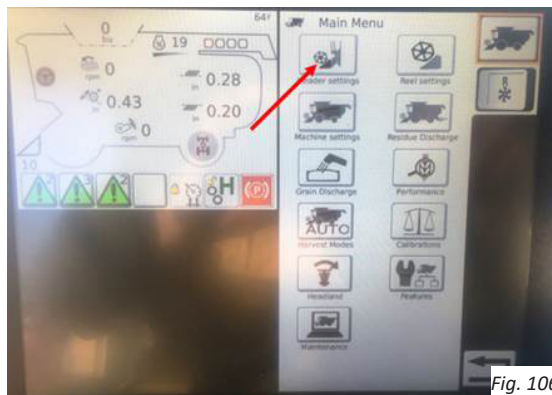


Fig. 106

4. Select the proper Header Configuration in drop down menu. So select the drop down menu then hit the "+ ABC" icon and select "PowerFlow" from the menu. Selecting this will allow us to get our hydraulic fore/aft and header tilt to work.

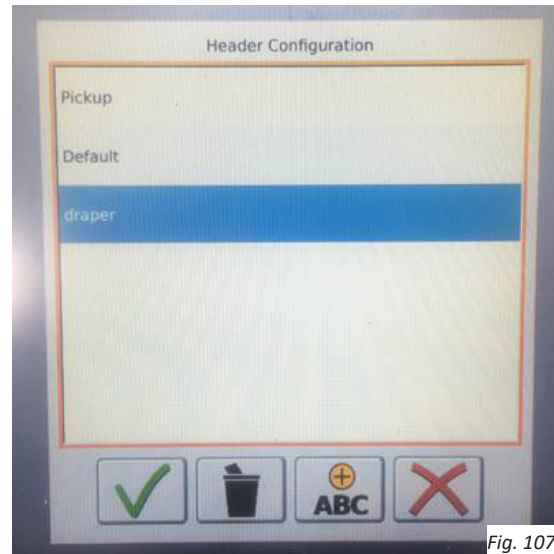


Fig. 107

5. Then set the header width, keep the reel diameter the same and change the Reel PPR to 48. Also select the top drop down menu and we will want to select



Fig. 108

6. Follow the header and reel speed calibrations by following the instructions in the combine operator's manual.

## 27 - Fendt C-Series/Massey Ferguson Beta Series Calibration/Settings

1. On the maintenance & Calibration screen, select the Calibration button.

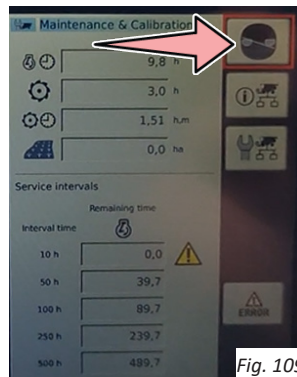


Fig. 109

2. Select the Calibrate table button.

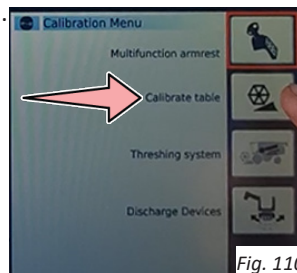


Fig. 110

3. Table height calibrates the feeder house, Skid height calibrates the header sensors. Both can be calibrated at the same time. Select the indicated button.

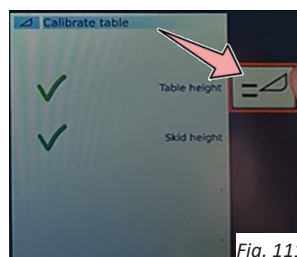


Fig. 111

4. Select the indicated button to enter header configuration.



Fig. 112

5. Create a new header entry in "ABC". Set Table height MAX to 140, Set Table height MIN to 5. Ensure Skid presence has a check mark.



Fig. 113

6. Select the indicated check mark button when done.

7. Select the indicated check mark button.

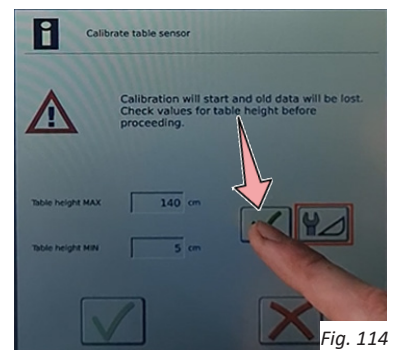


Fig. 114

8. Ensure the combine engine is turned on and select the indicated check mark button to start calibration.

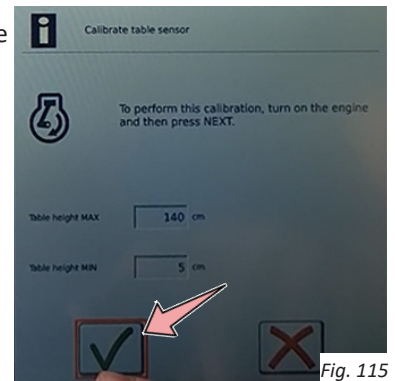


Fig. 115

9. Lower the table completely, wait for 10 seconds and press the check mark button.

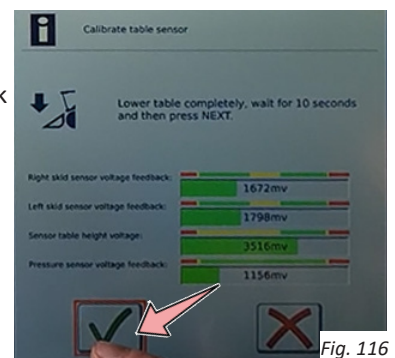


Fig. 116

10. Set table height to 10 cm, wait for 10 seconds and press the indicated check mark button.

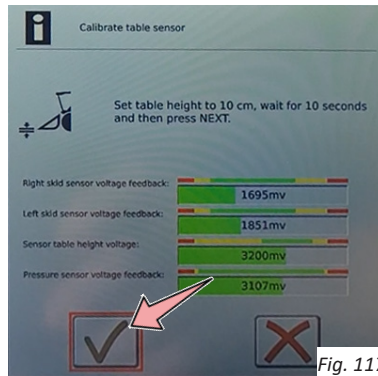


Fig. 117

11. Set table height to 60m, wait for 10 seconds and press the indicated check mark button.

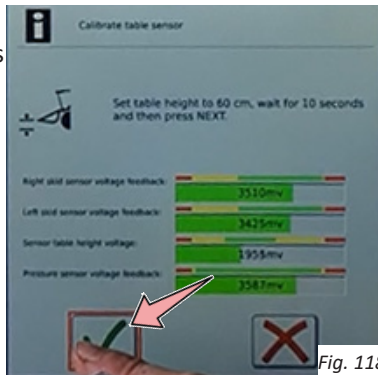


Fig. 118

12. Raise table completely, wait for 10 seconds and press the indicated check mark button.

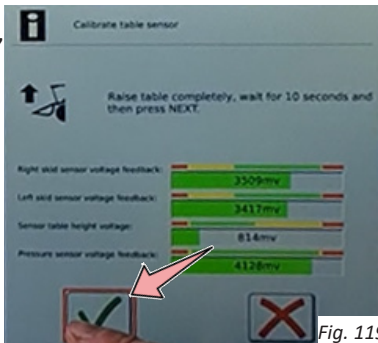


Fig. 119

13. The screen should say "Calibration completed successfully" press the indicated check mark button.

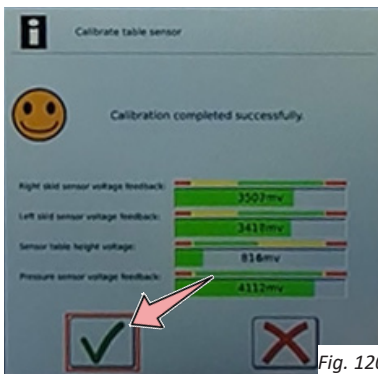


Fig. 120

14. The screen should say "Data saved", press the indicated check mark button.

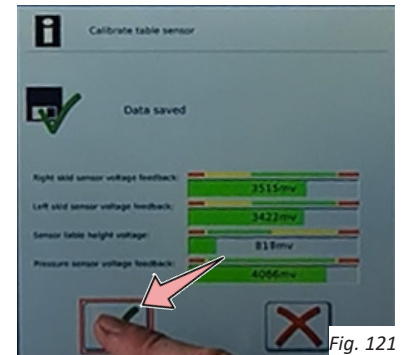


Fig. 121

15. Ensure automatic lateral tilt is switched on.

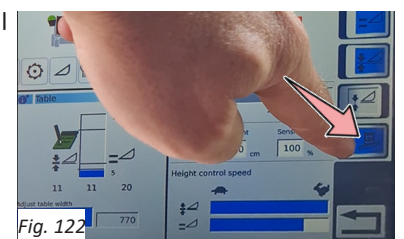


Fig. 122

16. Use the indicated dial to adjust the height and save it via the multihandle.



Fig. 123



## 28 - CaseIH 2100-2500 Series Combine Calibrations/Settings

1. Turn off the Accumulator Ride control switch which is under the armrest cover.



Fig. 124

2. If Auto Reel Speed function is desired turn it on. See combine operator's manual for details.

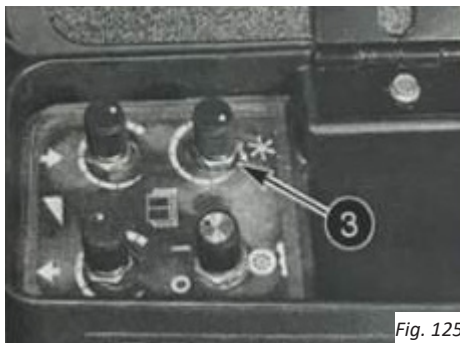


Fig. 125

3. Make sure the header height switch is on (HT) and the Lateral tilt button is on.



Fig. 126

4. Go into the monitor (if one is installed) and select the setup screen and then go to combine tab and set the header type (platform), header width, cutting width (same as width).



Fig. 127



Fig. 128

5. After all is setup, calibrate the header HHC by following the instructions in the operator's manual.

NOTE: HeadSight kit##HP0IH23-32C-2020 must be installed between header and combine electrical for proper operation.



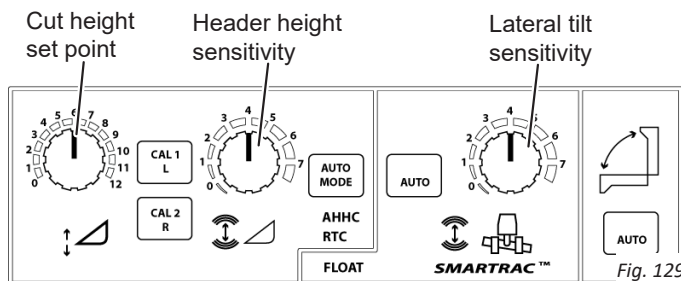
## 29 - S8 & Earlier Gleaner Combine Calibration/Settings

Because Gleaner combines are equipped with 'Bang-Bang' style control valves, an aftermarket modification must be made to the combine so the Automatic Header Height Control system can operate effectively. There are two options:

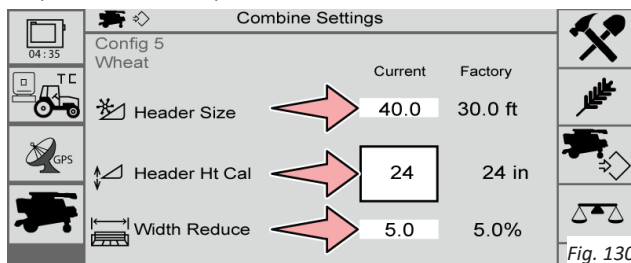
- From AGCO dealer: Pulse Width Modulated Proportional Valve Upgrade Kit (Headsight)
- From Honey Bee: BeeBox

If neither of these kits are installed, the Automatic Header Height Control system will not function correctly.

### Calibration



1. Close the ball valve on the accumulator to disable it during the calibration process. The ball valve can be partially opened after calibration to allow partial flow (up to 30%). Do not fully open the valve when operating the AirFLEX.
2. Open the combine settings screen and enter the following values:
  - Enter the header width in the Header Size field.
  - Set your cut height in the Header Ht Cal field.
  - Set the Width Reduce value to the amount you will overlap your swaths. If you are running a 40ft AirFLEX, and you want 2ft of overlap, then you would enter 5% (2ft is 5% of 40ft).



3. Start combine and bring engine rpm to just over 2000 RPM.
4. Press hold Cal1 until lights flash on the combine control panel.
5. Lower the header all the way to the ground, then press the Cal 2 button.
6. Raise the header to highest position, then press the Cal 2 button.
7. Tilt header down to the left, then press the Cal 2 button.
8. Tilt header down to the right, then press the Cal 2 button.
9. All lights should flash, level the header and press the Cal 1 button to exit calibration.
10. If all lights remain off, the combine is calibrated. Refer to your combine operator's manual for further details.
11. Set the header height sensitivity to the highest possible setting for optimal performance. Turn up the sensitivity until the header starts 'hunting' up and down, then turn it down until the 'hunting' stops.
12. The lateral tilt sensitivity must be set to a lower value than the Header Height sensitivity. The optimal lateral tilt sensitivity can be found using the following equation:

$$\text{Lateral Tilt Sensitivity} = \left( \frac{\text{AHHC Sensitivity}}{2} \right) - 10\%$$

## 30 - S9 Gleaner Combine Calibration/ Settings

- The two switches shown below are used to turn on automatic header height (left switch) and automatic lateral tilt (right switch). Enable auto lateral tilt before proceeding.



Fig. 131

- On the combine Main Menu, select Header Settings.

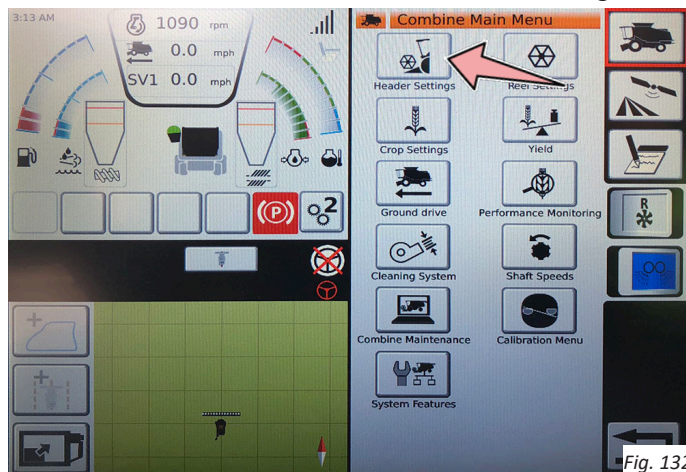


Fig. 132

- Ensure RTC and AHHC is enabled and Float is disabled. Enter the following sensitivity settings to start (these can be modified later as needed)

**RTC:** 60                      **Auto Level:** 50  
**AHHC:** 100                **Auto Tilt:** 70  
**Float:** 50

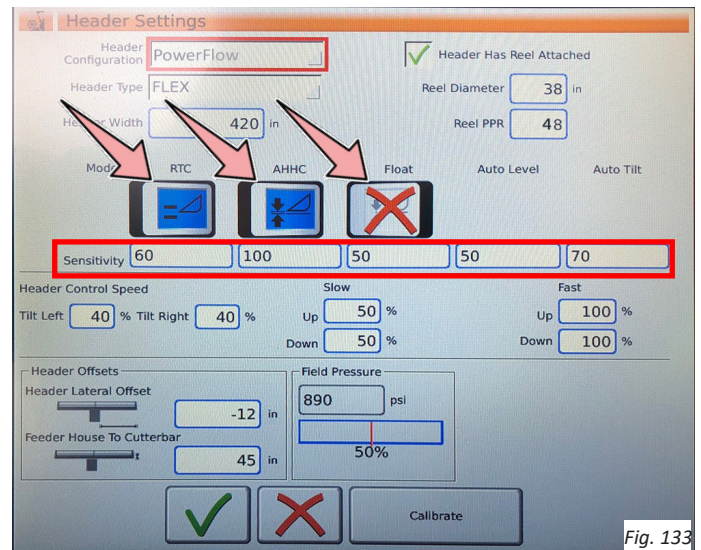


Fig. 133

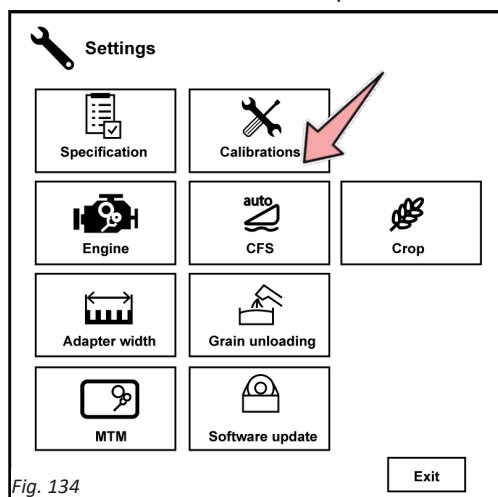
- Ensure the other settings shown in the illustration above are entered into the Header Settings screen on your combine:

**Reel Diameter:** 38 in.      **Fast Up:** 100%  
**Reel PPR:** 48              **Fast Down:** 100%  
**Tilt Left:** 40%            **Header Lateral Offset:** -12 in  
**Tilt Right:** 40%        **Feeder House to Cutterbar:** 45 in.  
**Slow Up:** 50%  
**Slow Down:** 50%

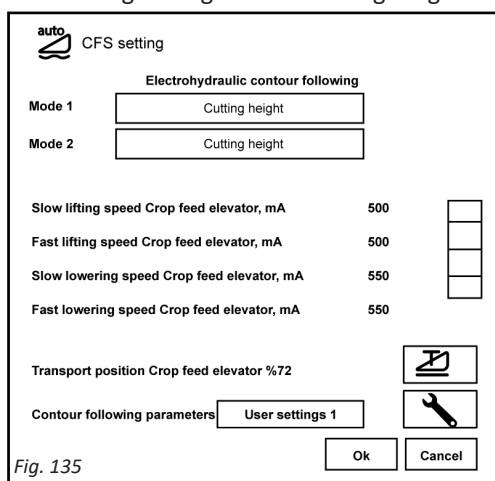
- Once the above settings are verified, return to the combine Main Menu and select the Calibration Menu, then select Header Calibration. Follow the onscreen instructions

## 31 - Rostselmash Acros 595+ & Torum 750-765

1. Make sure combine battery harness is connected to batteries in the correct location. The Rostselmash combines have a 24 volt battery setup so make sure the battery harness is connected to the correct battery to have a 12 volt power connection. Please refer to section 4 on page 7 for more information.
2. Go to the Settings screen in the combine monitor and select the "auto CFS" header icon to setup the header correctly.

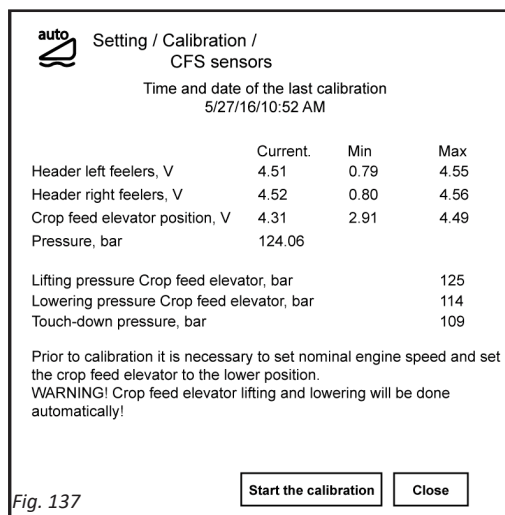
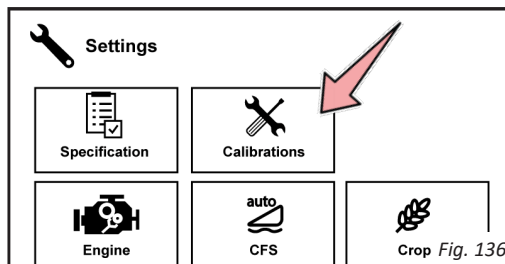


3. Set the Mode 1 and Mode 2 for the Electrohydraulic contour following settings set to "Cutting Height".

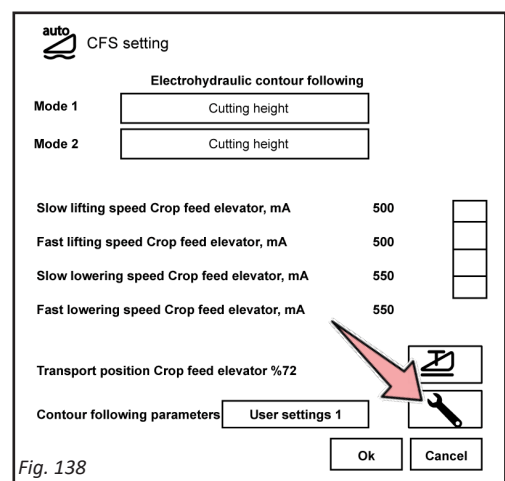


4. Adjust the lifting lower speeds so you have an approximate lift speed of 6 seconds from the lowest to the highest position and a lowering speed of 7 seconds from the highest position to the lowest position. Adjust the Transport position Crop feed elevator to 50% or higher.

5. Perform the header calibration by going into the Calibrations screen via the settings screen.



6. Access the CFS setting screen (as described in step 2) then access the Contour Following Parameters screen via the wrench icon.



7. Adjust the “Feeler sensitivity, %”, “Lifting/Lowering delay, ms” and “Header tilting delay, ms” in the Contour following parameters screen. Adjust so header is as responsive when in operation.

Contour following parameters

Parameter	Factory settings	User settings 1	User settings 2	User settings 3
Maintaining of the cutting height:				
Feelers sensitivity, %	20	60	20	20
Crop feed elevator position allowance, %	2	2	2	2
Pressure maintenance:				
Lifting threshold after bumping, bar	10	10	10	10
Pressure maintenance allowance, bar	3	3	3	3
Pressure maintenance delay, ms	100	100	100	100
Lifting/lowering period by pressure, ms	200	200	200	200
Pressure control pause, ms	150	150	150	150
General:				
Lifting/lowering delay, ms	100	100	100	100
Header tilting delay, ms	500	500	500	500
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Ok
Cancel

Fig. 139



## 32 - Rostselmash Torum 770-785 & RSM-161

1. Open the settings screen via the main menu

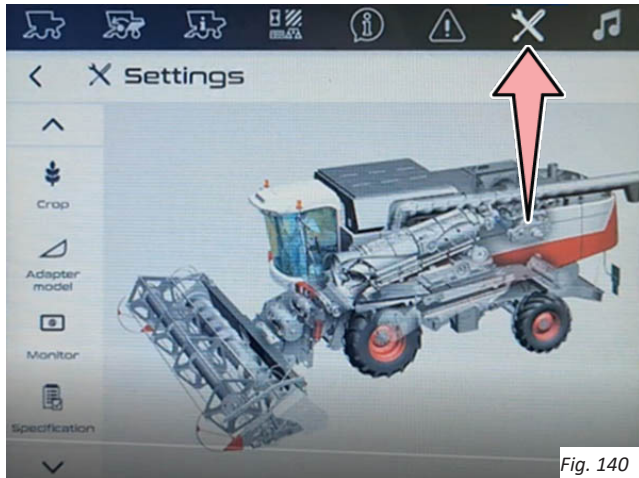


Fig. 140

2. Open the adapter model page and enter the following settings:

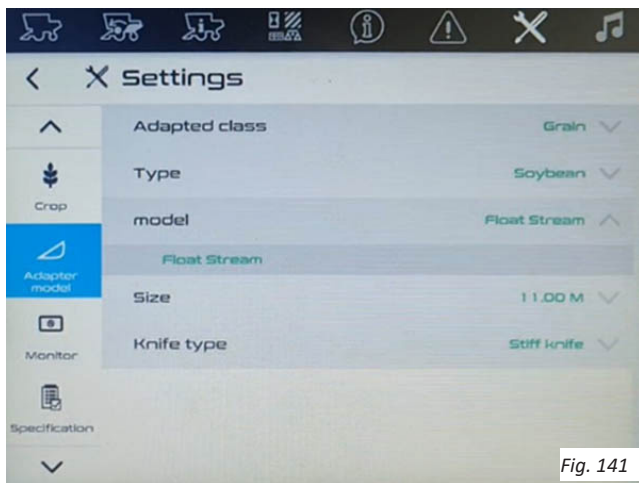


Fig. 141

- Adapter class: Grain
- Type: Soybean
- model: Float Stream
- Size : Size of your header
- Knife type: Stiff knife



### IMPORTANT!

Do not use the Honey Bee setting even though it is listed.

3. Scroll down and open the CFS page

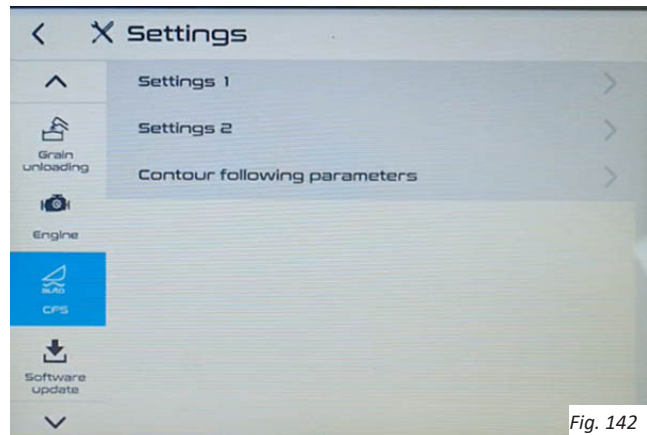


Fig. 142

4. Open the 'Settings 1' page and enter the following settings;  
Control mode:

- Key 1: Maintaining of the cutting height
- Key 2: Maintaining of the cutting height

Contour following parameters:

- Key 1: User settings 1
- Key 2: User settings 1

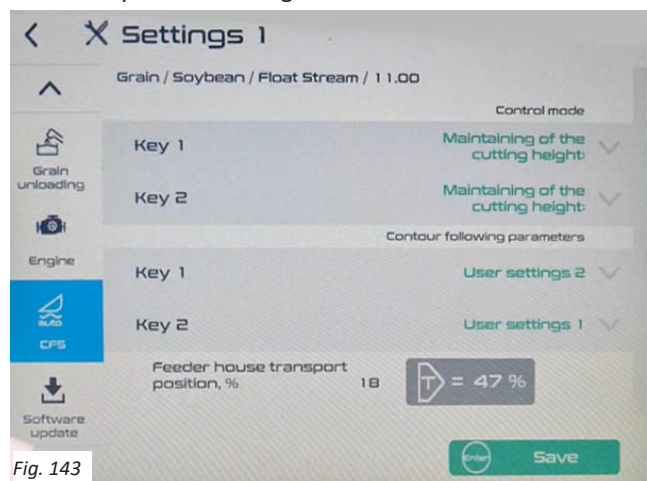


Fig. 143

5. Press the save button

6. Open the 'Settings 2' page. The values entered here will vary between different combine/header combinations. Start with the default factory settings and adjust if necessary.

- Set the Feeder house slow lift current and slow lowering current so it takes 9 seconds to raise the header from its lowest point to its highest point.
- Set the Feeder house fast lift current and fast lowering current so it takes 6 seconds to raise the header from its lowest point to its highest point.

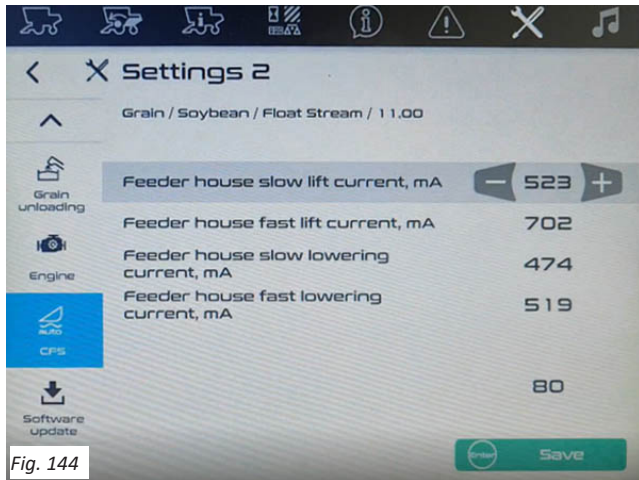


Fig. 144

7. Press the save button.

8. Open the 'Contour Following Parameters' page. The values entered here will vary between different combine/header combinations. The most important setting is 'Feelers sensitivity,%'. Start with the settings shown in the image below.

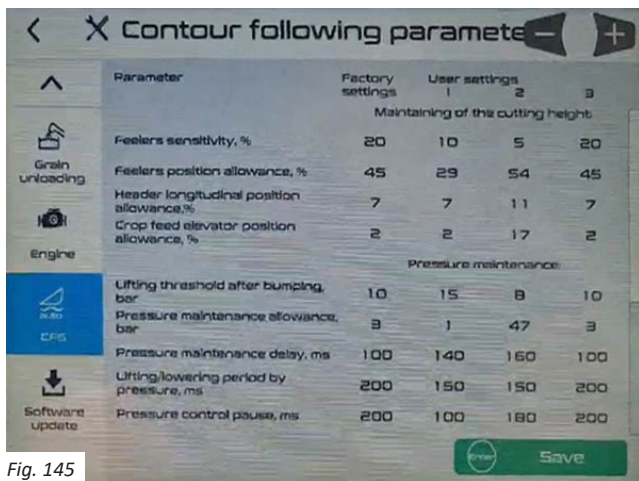


Fig. 145

- If performance is unsatisfactory, try the 'User 1' settings shown to the right.

9. Press the save button.

Настройка	1
Поддержание	31
	66
	7
	2
Поддержание	10
	3
	100
	30
	200

Fig. 148

10. Scroll down and select the Calibrations page, then select 'CFS sensors'.

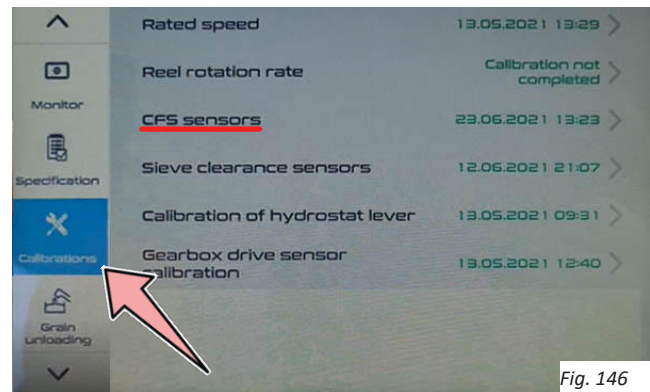


Fig. 146

11. Move the feeding house to the lowest position until you feel the slight bump. Press the Start button to start the calibration process.

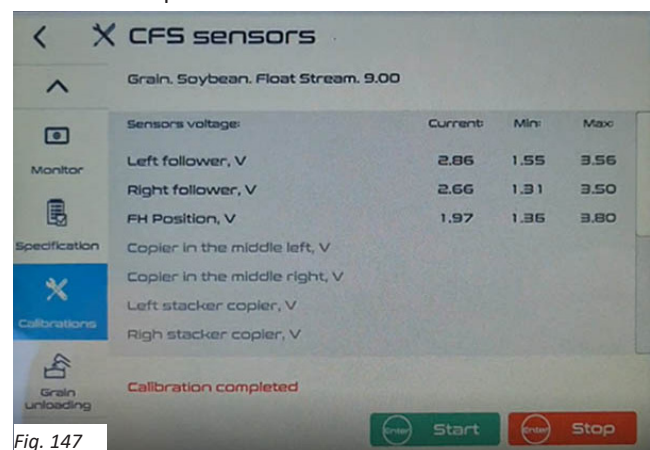


Fig. 147