



Setting up Combine for successful AHHC Operation

Automatic Header Height Control Flagship Combines

*Have Gen II software in Combine

*Make sure that combine can lift header all the way to the top of feeder travel. (recommend large lift cyl for the bigger headers.) If you cannot lift the head all the way up properly, you will have poor AHHC response.

*Use TWO GROUND SET POINTS (rocker switch 1 and 2). Have a 3rd set point for your Headland Turn. **USE SHIFT + RESUME TO RAISE HEADER ON HEADLAND.** AHHC will be much smoother.

*Set up your Head 1 and Head 2 Screens.

*Sensors on Head have to be set correctly to be with in range. This is primary cause of all AHHC issues. Set to be within 0.7 volts to 4.3 volts for entire operating range. Head sensors have to be right and linkage operating correctly! Gen II likes to make sure everything is right on the header, instead of half-right.

Note for 3162 heads: Shift key and reel fore and aft will tilt header. With Slow speed transport-Shift key and reel up/down will deploy wheels (feeder has to be all the way up for deployment).


*Complete Header Calibration after hooking up to the head.

- Automatic Header Height Control Settings

- AHHC Display settings: Toolbox / Feeder ←

Feeder settings	
Lift cylinder diameter Diameter of the rod side of the feeder lift cylinders	75mm, 90mm, ...
Tilt Cylinder type Heavy duty lat float cyli typically comes w/90mm lift	Standard / Heavy duty
Number of tilt cylinders Single or dual lateral float cylinder	1

Configuration of the feeder settings are crucial for an adequate system response. They determine the amount of flow sent to the cylinders.

- AHHC Display settings: Toolbox / Head 1  **HEAD 1 Screen**

Header settings	
Maximum work height Height setting in autolift and headland	0-100%
Header Type (Grain / Corn / Pickup / Draper(Varif))	X
Header SubType (No Swap valve/Standard/Draper/Varifeed)	X
Header width Header width (used for AHHC tilt gain)	X
Header frame type (Rigid / Flex / Foldable)	X
Number of rows (corn) Number of rows and row spacing used for tilt gain	X

Set your headland height

Select header type

Select your series header

Set your head width

Set to Frame type

Set number of rows

- AHHC Display settings: Toolbox / Head 2



HEAD 2 Screen

AHHC settings (1/2)	
Header Sensors System looks at or ignores ground sensors (eg: flex header w/locked up cutterbar)	Enable/Disable
Pressure float Consider pressure compensation as operating mode	Enable/Disable
Pressure override selection Min pressure drop before the system overrides AHHC or RTC (not in manual mode)	%
Header height /tilt response Boost height / tilt control for faster header reaction (note: setting used to be under 'Autotilt')	Normal/Fast
Hgt Sensitivity Reactivity of ground height controller	10-250
Tilt Sensitivity Reactivity of tilt controller	10-250

Enable

NO

Use 20% for draper
 Use 8 to 10% for Corn head

Start with Normal, if you want faster response, Use Fast

Recommend Start at about 130

Recommend Start at about 130

- AHHC Display settings: Toolbox / Head 2



HEAD 2 Screen

AHHC settings (2/2)	
Manual HHC Raise Rate Raise speed setting for manual movement only	20-250 (only slow raise)
Manual HHC Lower Rate Lower speed setting for manual movement only + <u>return-to-setpoint speed limitation when resuming AHHC</u>	20-250 (only fast lower)
Header Lateral Tilt Lateral tilt installed (set to 'No' when "number of tilt cylinders" = 0)	Enable/Disable
Autolift Lift to max work height when driving backwards	Enable/Disable
Autotilt Automatic tilt based on difference in ground sensors when in RTC or stubble height mode and in manual mode	Enable/Disable
Autolevel in headland Tilt to zero position when autolifting or in headland	Enable/Disable

Adjust to your liking, suggest 130 to start

Adjust to your liking, suggest 100 to start

Set to YES for corn heads and 3162.
Set to NO for 2162.

Your choice

Your choice, I usually do NO for draper
(yes for corn head)

Set to YES – Your choice

Header Calibration - Flagship

•Touch "Calibrations"



•Touch "Arrow"



Header Calibration - Flagship

- Select "Header"
- Below screen will display



- At this point you must hit "OK" and the Header Down Switch"



Just follow screen directions from this point forward.