# Auto Header Height Control

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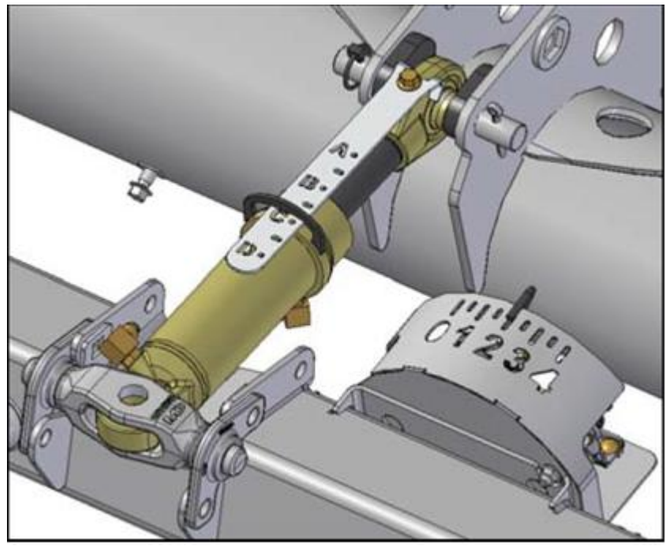
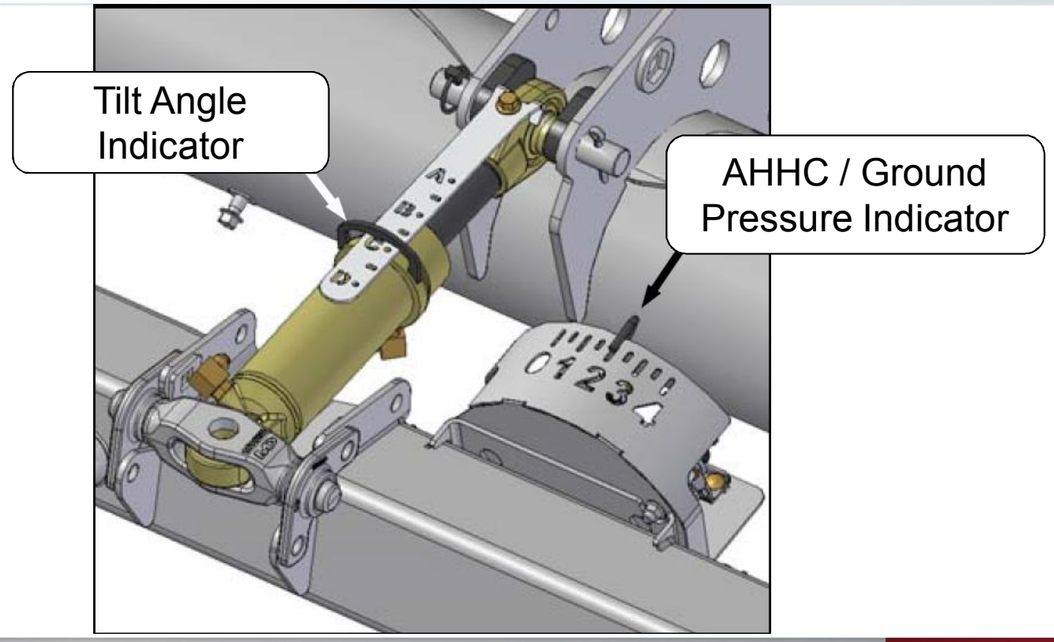
# AHHC

## Topics of Discussion

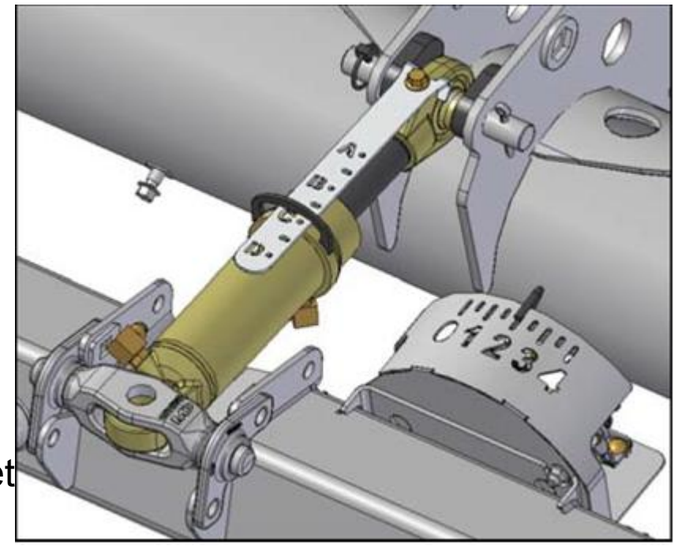
- AHHC
- What is it?
- How does it work?
- How to adjust & Calibrate




Tilt Angle Indicator
AHHC / Ground Pressure Indicator
04234

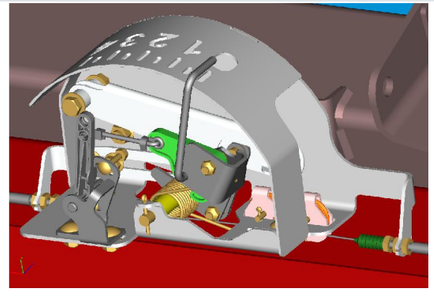
# What is Auto Header Height Control?

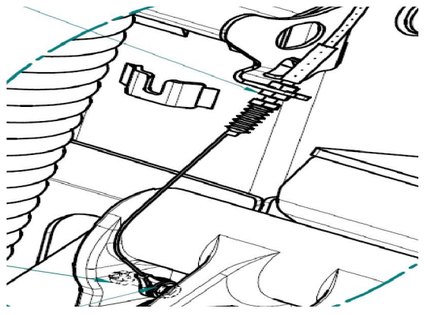
- AHHC is an electrical/mechanical system that measures the vertical distance between header and adapter and relays this information to the combine's electronics allowing the feederhouse to raise or lower automatically without operator input. This helps maintain a preset ground pressure at cutter bar.



# How it Works

- On D65/FD75 this change of distance is measured at the adapter arms. A single cable links both arms to a central sensor mounted on the adapter
- The movement of the cable rotates the potentiometer sending a variable voltage signal to the combine

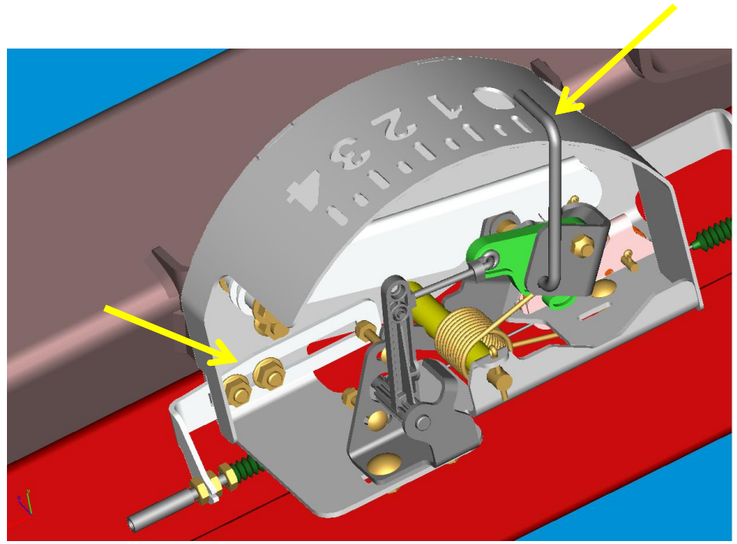




# How to Set

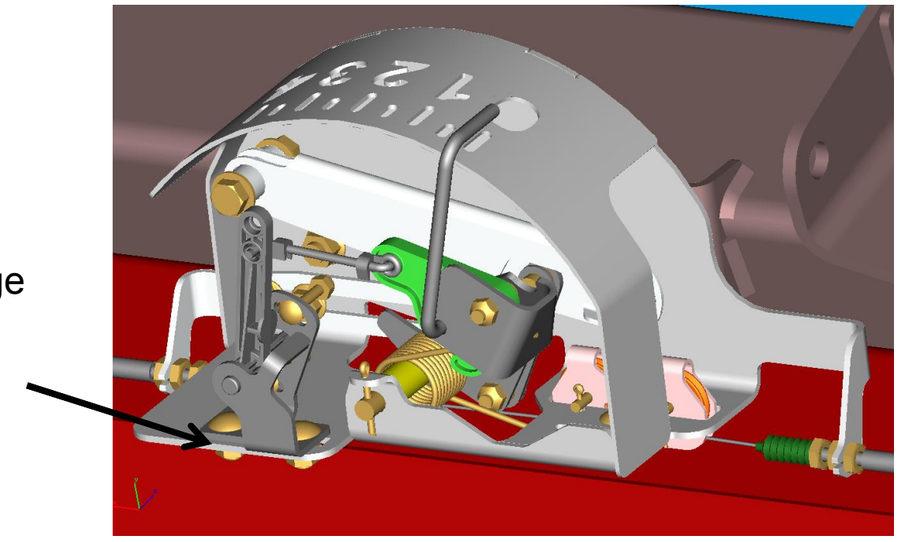
1. Set guard angle to “D”

2. Ensure header is on the down stops (cutter bar off the ground), adjust cable mounting bracket so the indicator is on “0”.



# How to Set

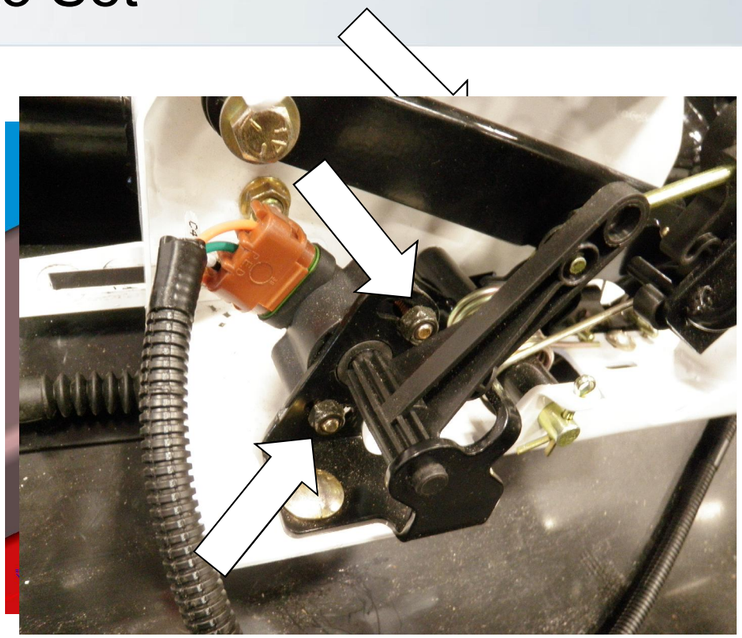
3. With pointer at zero, adjust base of potentiometer to achieve upper range voltage reading



# How to Set

4. Lower header until the feederhouse is as low as it can go. The indicator should move towards “4”

5. Rotate the sensor to achieve low range voltage reading



# Troubleshooting

- When lowering feeder house to achieve full ground pressure ensure the indicator goes to 4
- Adjust indicator rod at red arrow

# How to Set

- Make sure sensor voltage is in the correct range for the brand and model of combine

| Combine | Low Voltage Limit | High Voltage Limit | Range (Difference between High and Low Limits) |
|---|---|---|---|
| Challenger, Gleaner A, Massey Ferguson | 0.5 V | 4.5 V | 3.0 V |
| Case IH 7/8010, 5/6/7088, 7/8/9120, 5/6/7130, 7/8/9230 | 0.5 V | 4.5 V | 2.0 V |
| Case IH 2300/2500 | 2.8 V | 7.2 V | 4.0 V |
| Gleaner R and S Series | 1.0 V | 4.0 V | 2.0 V |
| John Deere 50/60/70/S Series | 0.5 V | 4.5 V | 3.0 V |
| Lexion 500/600/700 Series | 0.5 V | 4.5 V | 2.5 V |
| New Holland CR/CX - 5 V system | 0.7 V | 4.3 V | 2.5 V |
| New Holland CR/CX - 10 V system | 2.8 V | 7.2 V | 4.1–4.4 V |

# Troubleshooting

- If header does not calibrate make sure voltage is correct
- Operating range should be 0.2 to 0.4 volts away from max values
- This ensures potentiometer will not go out of range during operation.

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- Bundle 5847 for 10 volt New Holland Combines
- Voltage Range for 10 volt  is Lower  2.8 – 7.2 Upper
- See SB1418

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