



Case IH 1400-1600 Series

All models and mounting options are included in this document, please note the yield sensor location varies, and use only the measurement for your Model of Combine.

Header Switch

The header Switch performs an important function and must be installed such that adjustment of the chain can be made for varying crops and headers.

Below is a typical installation where very little of the chain has been used to connect the switch to the feeder house. Use the following general rules when installing the header Switch:

1. The chain must pull on the switch as straight as possible.
2. When attaching the chain to the feeder house, make sure a location is picked that will not be damaged by crop residue building up around the chain and sensor.



Optional Non Contact Header Sensor

A special cable and related wiring diagram will be required for the non-contact header switch. Call Loup Electronics for additional details.

An optional magnet 2 wire sensor may be available please call Loup Electronics for details and application instructions.





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Yield Sensor

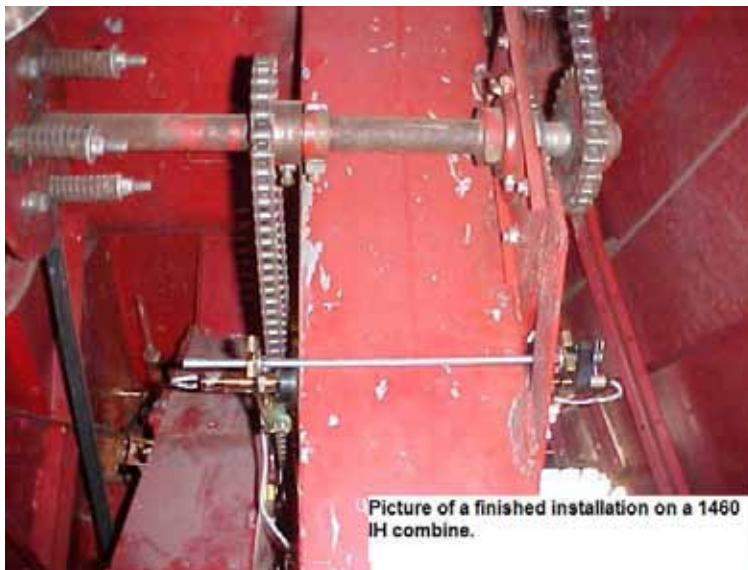
The Yield Sensor is the most critical part of the system. Plan the installation of this sensor carefully prior to drilling any holes.

Preparing for the installation:

1. The location for the sensor is as high as possible, below the bin floor. The measurement from the rear of the clean grain elevator to the center of the hole is shown for specific models. The sensor location needs to be such that sensors look across the center of the paddles but not see the paddle brackets or the chain.

2. Tools Required:

For installing this sensor, a Step bit is highly recommended, these can be purchased at most tool and hardware stores, one capable of drilling a 7/8" hole will be required.



1644 Shown Below





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Yield Sensor Measurements

Mount sensor as high as possible, note the clearance to the chain.



Distance from the rear of the clean grain elevator to middle of the yield hole. 35 MM

Model 1460

Sensor Locations

- 1460-----35mm
- 1480-----40mm
- 1644-----40mm
- 1660-----40mm
- 1680-----60mm

For Models not listed please Call Loup Electronics

Mark the location as shown above; use either a progressive bit or standard bits to enlarge the hole to 3/4 to 7/8".

Rivets



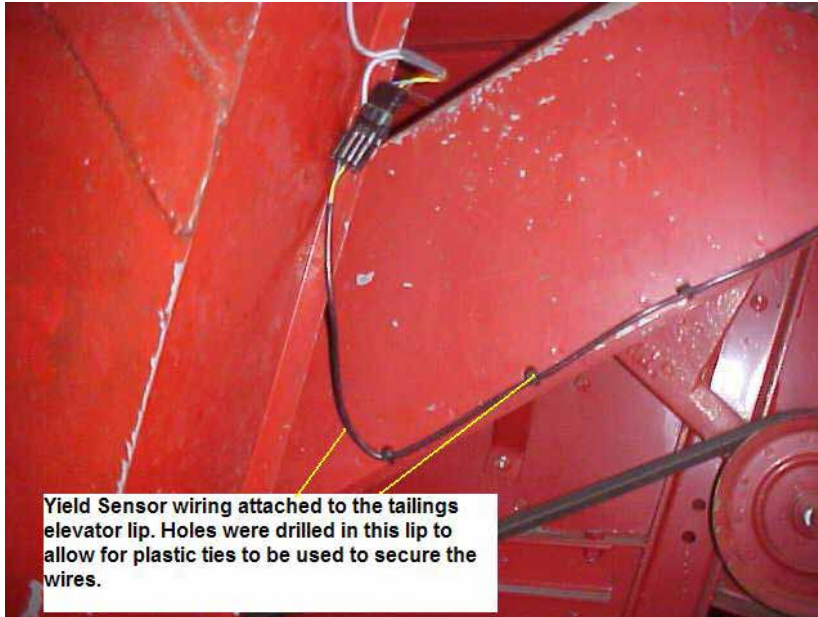
This customer welded the Yield Bracket to the side of the leg. Rivets are provided for mounting this bracket, however they must be in the middle of the leg. The gap between the up and down portion of the leg is the standard mounting for the rivets.

This Reinforcement Bracket has been added to this combine.



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Yield Sensor Wiring



Yield Sensor wiring attached to the tailings elevator lip. Holes were drilled in this lip to allow for plastic ties to be used to secure the wires.

Some models may require the Tension Rod to be relocated to allow for Sensor mounting clearance. The picture below shows the Tension Rod Relocated for clearance.





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Junction Box Installation and Wiring

The Junction Box needs to be mounted on the right hand side of the cab. Notice the marking on the Junction box indicating "Up" and "Front". The box should be installed so both of these statements are true. The Junction box also houses the "Tilt" sensor. If the Junction Box is not installed as noted, the hillside compensation (Tilt) will not work correctly.

For instruction on mounting and accessing the Junction Box, please refer to Manual:

PS8000i Ceres Yield Monitor

Installation
Section: 2.0
Pages: 5-6

Important Note: For all wiring except the moisture sensor, please refer to Manual:

PS8000i Ceres Yield Monitor

Installation
Section: 2.1.3-2.1.4
Pages: 6-7

Moisture Sensor Wiring Configuration is on the following page.



Power Supply

Please refer to Manual:

PS8000i Ceres Yield Monitor

Installation
Section: 2.7
Page: 15