

# Fantini

Header Manual  
09021201b



# HEADSIGHT INC.

HARVESTING SOLUTIONS



# About Headsight

## Headsight Contact Info

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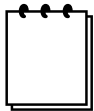
## Technical Assistance

Phone: 574-220-5511

# About this Manual

## How to use this manual

This manual is laid out in the order which you should do each step. You may follow the manual from beginning to end, performing all steps which are designated for your head.



This icon designates information of which you should take note.

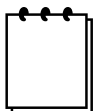


This icon designates an important instruction.

## Disclaimers

Headsight, Insight, Foresight, FeatherSight and TrueSight are trademarks of Headsight, Inc.

All other trademarks are property of their respective owners.



Portions of this product are protected by US Patents 6202395, 6833299, 7310931, and other US and international patents, issued and pending.

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# 1 Mounting Sensors



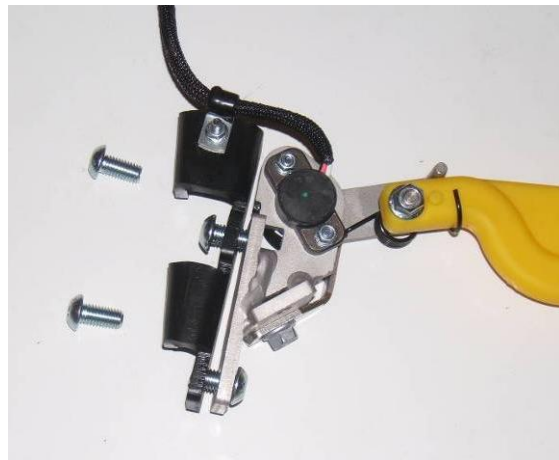
Before working under the header always:

1. Perform all combine and header manufacturer safety precautions for servicing header.
2. Insert stop to prevent movement of header.
3. Turn off combine and remove key from ignition.
4. Set combine parking brake.
5. Disconnect all drive shafts from the header.



## 1.1 Outer Rows

1. Attach the bracket to the sensor using hardware “B2239\_2” as shown.
  - Secure the sensor wiring to the bracket using a cable clamp as shown.

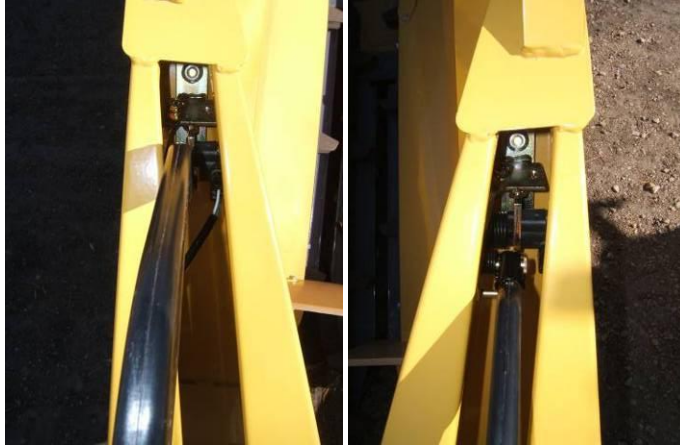


2. Install the sensor extensions into the shortest position.



**3. Insert the sensor into each snout as seen here.**

- Verify that the sensor arm can move freely through the range without binding on lower lips of the snout.
- Align sensor as much as possible with the direction of travel.



**4. Drill holes through top of snout to mount sensor.**

- Attach with remaining hardware from “B2239\_2” bolts.
- Drill front hole approximately 10” behind the snout tip.



**1.2 Inner Rows**

1. Notch bottom layer of poly as shown to allow sensor to fit.
  - Remember to allow space for arm to fit in collapsed position.
2. Attach provided bracket to metal snout tip.



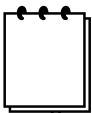
3. Trim the top poly arm to prevent contact with the snout support frame if needed.

- This may or may not be needed depending on snout position.
- See circled area in picture.



### 1.3 Extensions

1. If you desire to operate your header higher you may change the position of the extensions.



Headsight recommends using the lowest extension setting that allows you to run as high as you desire. Increasing the length of the extension will reduce header control sensitivity.

## 2 Wiring



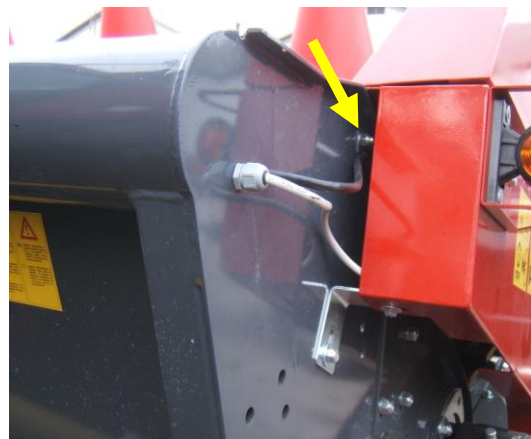
Properly routing the wiring is the **most critical part** of the installation process. Please take time to ensure that you have allowed sufficient slack for snout motion as well as sufficient clearance from moving header parts or crop flow.

### 2.1 Wiring Routing

1. Lay out wiring to appropriate snout.
  - Wiring will run from the sensor to the rear of the header near the combine's feederhouse connection.
  - See the Wiring Graphic following for assistance.

#### 2.1.1 Outer Rows

1. Route the wiring from the left side of the feeder opening to each end of the header through the frame rail.
  - Drill a hole near the hazard lighting wiring grommet at each end of the head.
  - Remove the Weatherpack connector at the sensor end of the harness.
  - Using a fish tape – gently pull the wire through the hole to the end of the header from the feeder opening.
  - Reinstall the connector – make sure that each wire is securely seated.
2. Connect the wiring to the sensor.

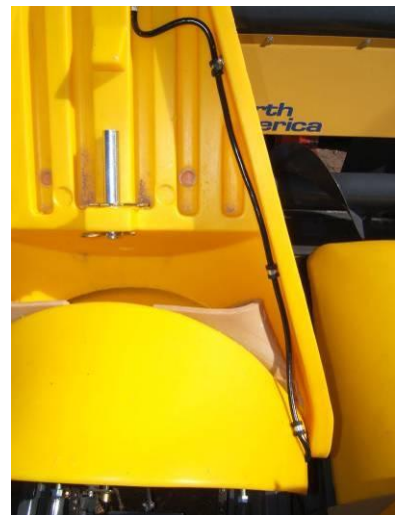


3. Fasten the wiring near the hinge point as shown.



### 2.1.2 Inner Rows

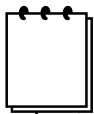
1. Connect the wiring to the sensor.
  - Ensure connection is properly aligned and seated.
  - Push gently but firmly until you hear or feel a slight “click”.
2. Fasten wiring with cable clamps on both sides of the sensor connection.
  - Allow slight (1/2”) slack near sensor.
  - Fasten off to side of snout to prevent damage from sensor arm movement.
3. Route wiring to back of snouts as seen in pictures.
  - Fasten with cable clamps near snout hinge points.
    - Lift snout to see full range of motion.
    - Leave enough slack to prevent tension on the wiring.
  - Secure remainder of wiring with cable clamps and zip ties approximately every 12-24” as needed.



4. Route wiring through the rear snout.
  - Drill out the existing hole to 1". Pass wiring through the hole.



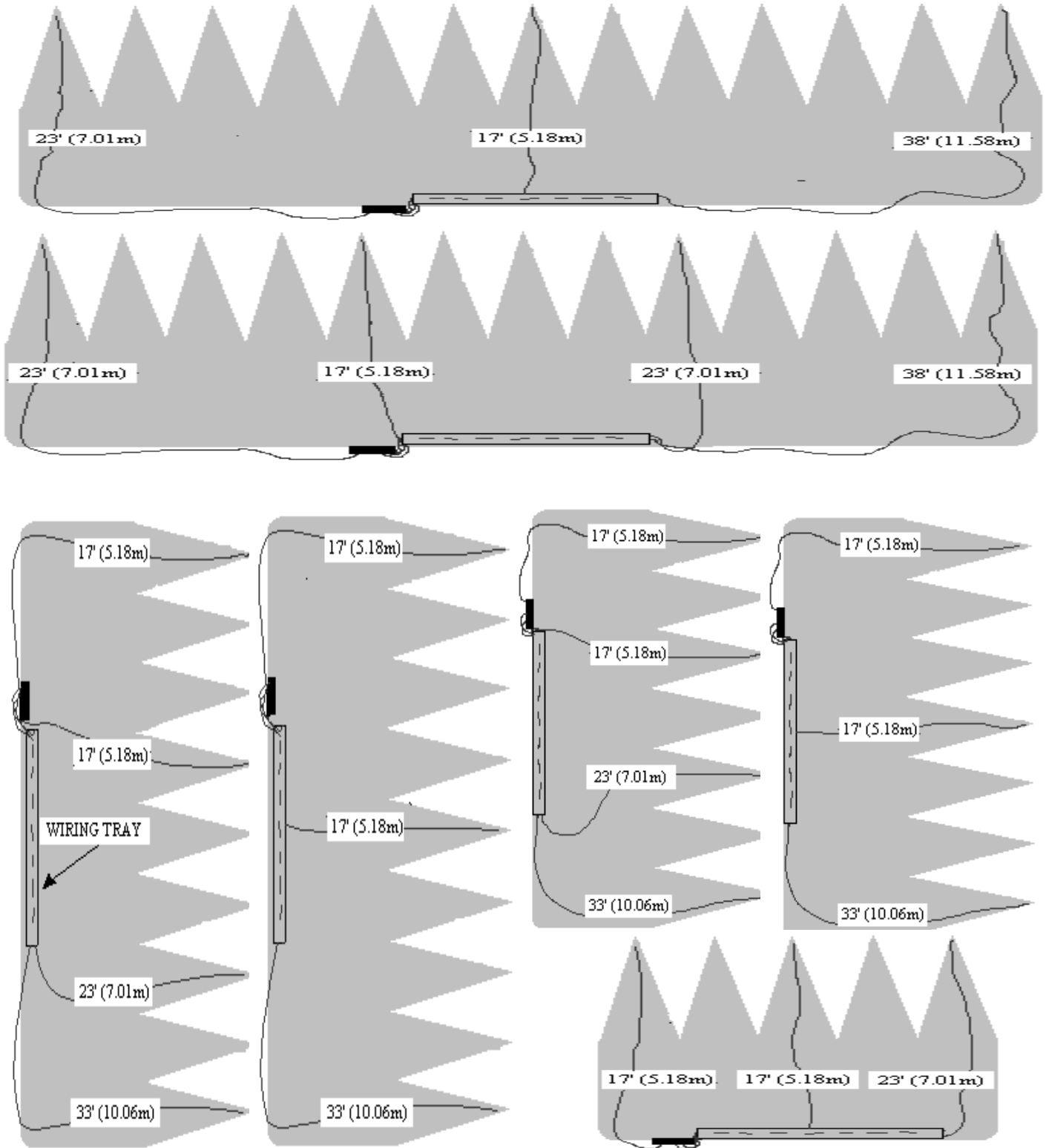
5. Wrap and fasten excess wiring in secure location.
6. Repeat steps above for other sensors.



See the Headsight combine manual for more details about how to install the remaining wiring harness or control box and then connect each individual sensor.

## 2.2 Wiring Graphic

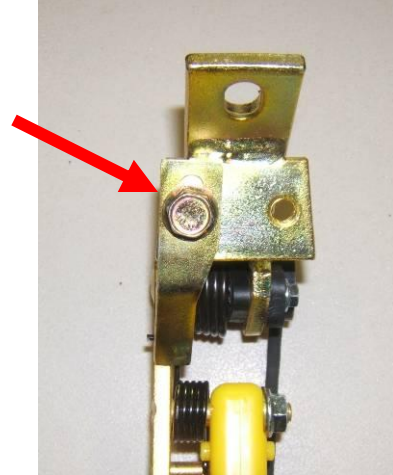
Note: 30" row spacing shown below. For other row spacings use diagram of similar length header. For example use 12 row 30" diagram for 18 row 20" header.



# A Sensor Adjustment

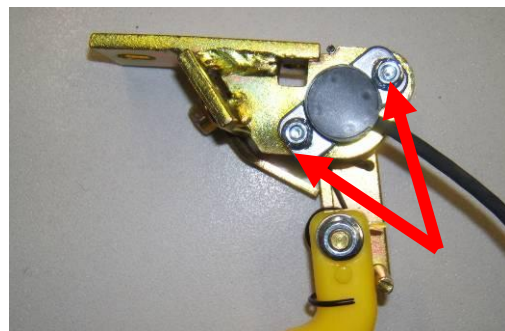
## Changing Swing

1. Loosen the bolt holding the downstop.
  - Do not remove – just allow slack.
2. Slide downstop to new position of slotted hole.
  - Raising downstop will
    - Increase total voltage swing
    - Allow a higher maximum operating height.
  - Lowering downstop will
    - Decrease total voltage swing
    - Help prevent arm from “stabbing” the ground when the header is lowered.
3. Retighten downstop mounting bolt.

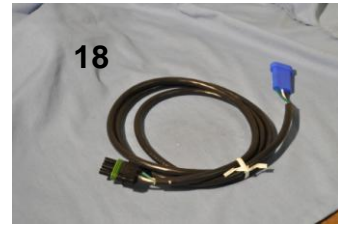


## Increasing or Decreasing Voltage

1. Loosen sensor mounting nuts.
2. Twist sensor to new position using slotted mounting holes.
  - Twisting sensor clockwise will lower voltage.
  - Twisting sensor CCW will increase voltage.
3. Resnug mounting bolts



## B Parts Information



Key#	Part#	Description	Qty	Notes
1	HT2113	POLY ARM	1	Black = HT2113-B, Yellow = HT2113-Y
2	HT2117	EXTENSION SETS	1	
3	08200151	NUT FLANGE 5/16-18 NY-LK	1	
4	HT2110	SPRING	1	arm return
5	HT2125	PIVOT BRACKET	1	includes magnet
6	HT2111	SPRING	1	down pressure
7	08200147	BOLT HEX M5-20	2	
8	HT2131	BUSHING, BLUE	1	
9	HT2132	BUSHING WHITE	1	
10	HT2119	SEAL	1	
11	HT2112	BUSHING, PIVOT	1	includes bronze bearing
12	08100103	SNAP RING E-CLIP	1	may sub JD# 40M7161, *40M7040, CH11489
13	HT2128	ROTARY POS SENSOR	1	
14	08200110	NUT FLANGE M5	2	
15	HT2105	STOP	1	
16	HT2120	CORN BODY	1	
17	08200117	BOLT FLANGE M8x12	1	
20	HT2235	BRACKET, OUTER	AR	not shown bracket rev1 only
18	PFB9	9' WPACK HARNESS	AR	all PFBxx numbers are 3 wire
	PFB17	17' WPACK HARNESS	AR	Weather-Pack extension harnesses
	PFB23	23' WPACK HARNESS	AR	
	PFB33	33' WPACK HARNESS	AR	
	PFB38	38' WPACK HARNESS	AR	
	07010103	WPACK MALE PIN	AR	used with tower
	07010101	WPACK TOWER	AR	used with male pins
	07010105	SEAL	AR	green
	07010102	WPACK SHROUD	AR	used with female pins
	07010104	WPACK FEMALE PIN	AR	used with shroud

## C Warranty Information

### Statement of Limited Warranty for Corn Products

Headsight Inc. (Headsight) warrants its new corn sensors assemblies for a period of thirty-six (36) months, and its electronic wiring and interface control boxes for a period of twelve (12) to be free from defects in material and workmanship following the date of purchase by the retail purchaser.

Headsight warrants genuine Headsight replacement parts and components to be free from defects in material and workmanship for a period of six (6) consecutive months following the date of purchase or the remainder of the original equipment warranty period, whichever is longer.

Headsight's obligation under these warranties shall be limited to repairing or replacing, free of charge to the original purchaser, any part that, in Headsight's judgment, shows evidence of such defect.

### Limitations to Warranty

This warranty does not cover:

- Warranty claims directly resulting from improper installation of the product.
- Any product damaged by accident, abuse, misuse, or negligence after shipment from Headsight.
- Any unauthorized product alteration or modification.
- Any unauthorized repairs made with parts other than genuine Headsight parts.
- Any repairs performed by anyone other than Headsight or an authorized Headsight dealer unless specifically authorized by Headsight.

### Warranty Procedure

- Troubleshooting must be done between customer and Headsight through Headsight's technical assistance @ 574.220.5511.
- Labor reimbursement will occur only pre-arranged through Headsight technical assistance and be scheduled to a flat rate basis or reasonable time allowance in Headsight's judgment.
- There is no mileage reimbursement.
- Diagnostic time will not be reimbursed except in pre-arranged circumstances.
- Warranty claims should be on typical dealer service work order with a number and name to be attached for any future correspondence.
- All warranty work must be performed, and claims submitted, within sixty (60) days of the occurrence of the claim and within the warranty period.
- All parts removed during warranty repair should be held for a period of 60 days after the warranty claim has been submitted to Headsight.
- Headsight, Inc. reserves the right to either inspect the product at the original retail purchaser's location or require it to be returned to Headsight, Inc. for inspection.

### Limitation of Liability

Headsight makes no express warranties other than those, which are specifically described herein. Any description of the goods sold hereunder, including any reference to buyer's specifications and any descriptions in circulars and other written material published by Headsight is for the sole purpose of identifying such goods and shall not create an express warranty that the goods shall conform to such description.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. There are no implied warranties of merchantability or fitness of a particular purpose. This warranty states Headsight's entire and exclusive liability and buyer's exclusive remedy or any claim for damages in connection with the sale of furnishing of Headsight products, their design, suitability for use, installation or operation, or for any claimed defects herein. HEADSIGHT WILL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, NO FOR ANY SUM IN EXCESS OF THE PRICE RECEIVED FOR THE GOODS FOR WHICH LIABILITY IS CLAIMED.

No representative of Headsight or any dealer associated with Headsight has the authority to change the items of this warranty in any manner whatsoever, and no assistance to purchaser by Headsight in the repair or operation of any Headsight product shall constitute a waiver of the conditions of this warranty, nor shall such assistance extend or revive it.

Headsight reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligation to owners of units previously sold. Warranty: 1/2007

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