

AGCO Corn

Header Manual
09020401c



HEADSIGHT INC.
HARVESTING SOLUTIONS



About Headsight

Headsight Contact Info

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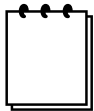
Technical Assistance

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.

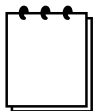
Disclaimers

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

All other trademarks are property of their respective owners.

Suggestions

If you have any suggestions to improve this manual –please call 574-546-5022 or email info@headsight.com.



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 AGCO Poly – Outer rows only

1. Remove steel skid plate at the front of the outer row.
 - Retain hardware for use later
2. Attach sensor to bracket using provided hardware B2237.



3. Slide U-shaped bracket into the snout with sensor attached.



4. Secure bracket to the snout reusing hardware removed earlier.



1.2 AGCO Poly – Inner rows only

1. Remove the lower surface of the snout to allow sensor installation.
 - Drill holes then cut between them to prevent sharp corners or edges.
 - Remove area approximately 2.75" x 4.75" as shown



2. Remove two rear snout tip mounting bolts and discard.

3. Attach sensor to mounting bracket with provided hardware B2246.



4. Insert bracket into snout and attach with provided 5/16" x 1" Torx screws.



1.3 Steel Snouts

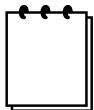
1. Locate pocket-shaped brackets and hardware labeled “B2240”.
2. Hold bracket as far forward as possible on the snout - remove skid plate if necessary. Mark the position of the 4 holes.



3. Remove bracket and drill locations marked in step #2 with 3/8” drill bit.
4. Mount sensor into bracket using included hardware B2240.
5. Mount bracket into snout using 4 self-tapping screws.
 - Place bracket over lips of snout.

1.4 Extensions

1. If you desire to operate your header higher than the sensor allows, you may add 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.

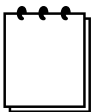
2 Routing Wiring



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 instructions

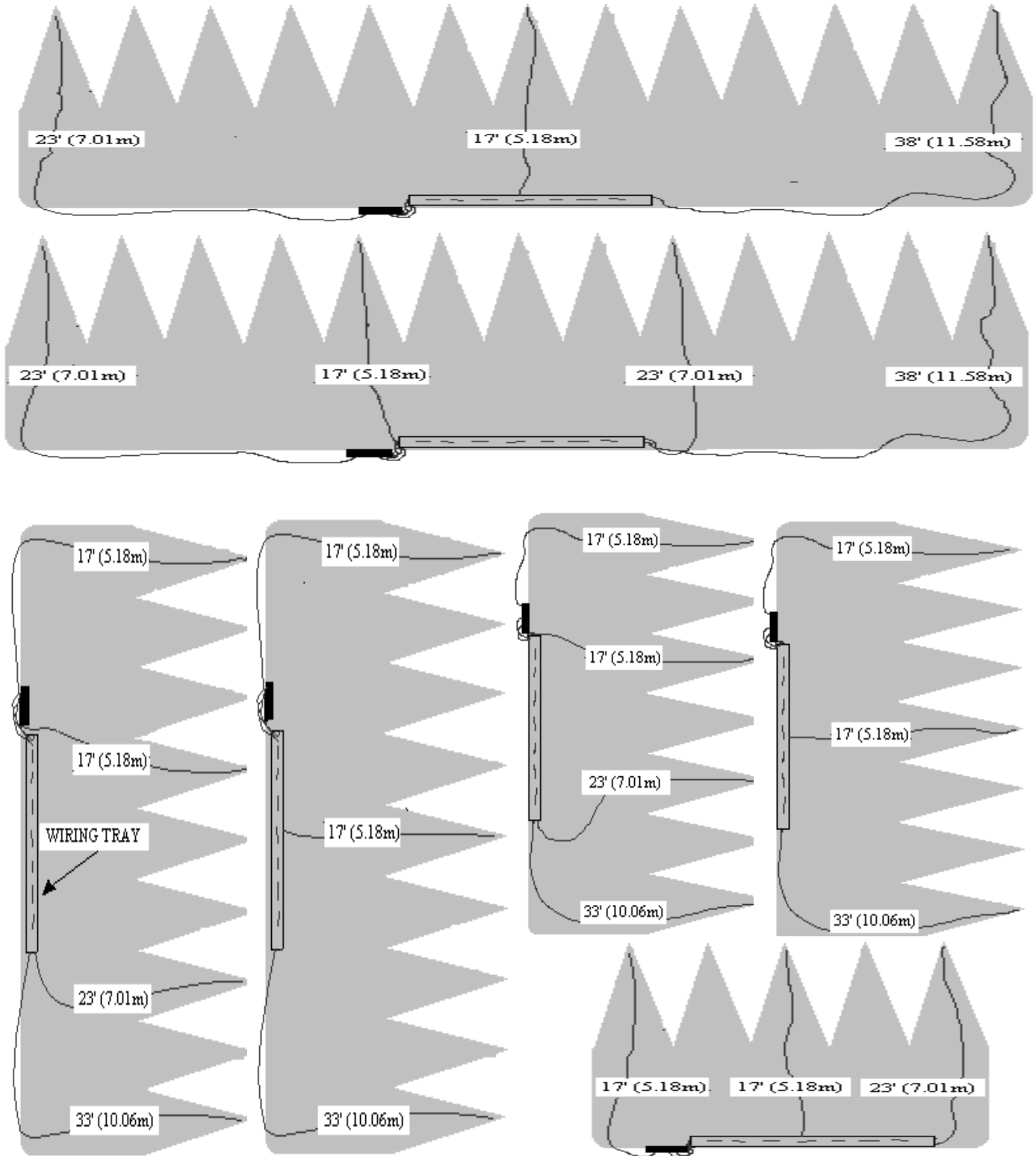
1. Lay out wiring to appropriate snout.
 - Wiring will run from the sensor to the rear of the header near the combine's feederhouse connection.
 - See the Wiring Graphic below for assistance.
2. Connect the wiring to the sensor.
 - Ensure connection is properly aligned and seated.
 - Push gently but firmly until you hear or feel a slight "click".
3. Fasten wiring with cable clamps on both sides of the connection.
 - Allow slight (1/2") slack near sensor.
4. 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.
5. Route wiring to rear of header
 - Route to rear of head near the combine feederhouse electrical connectors.
 - Secure wiring with cable clamps and zip ties approximately every 12-24" as needed.
6. Repeat steps above for each sensor.
7. Wrap and fasten excess wiring in secure location.



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

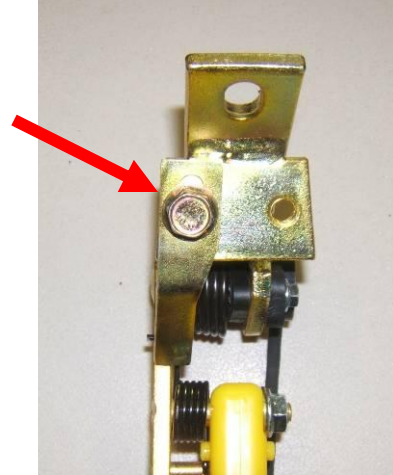
Note: 30" row spacing shown below. For other row spacings use diagram of similar length header. For example use 12 row 30" diagram for 18 row 20" header.



A Sensor Adjustment

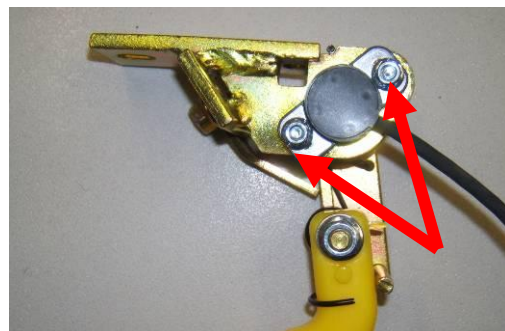
Changing Swing

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.

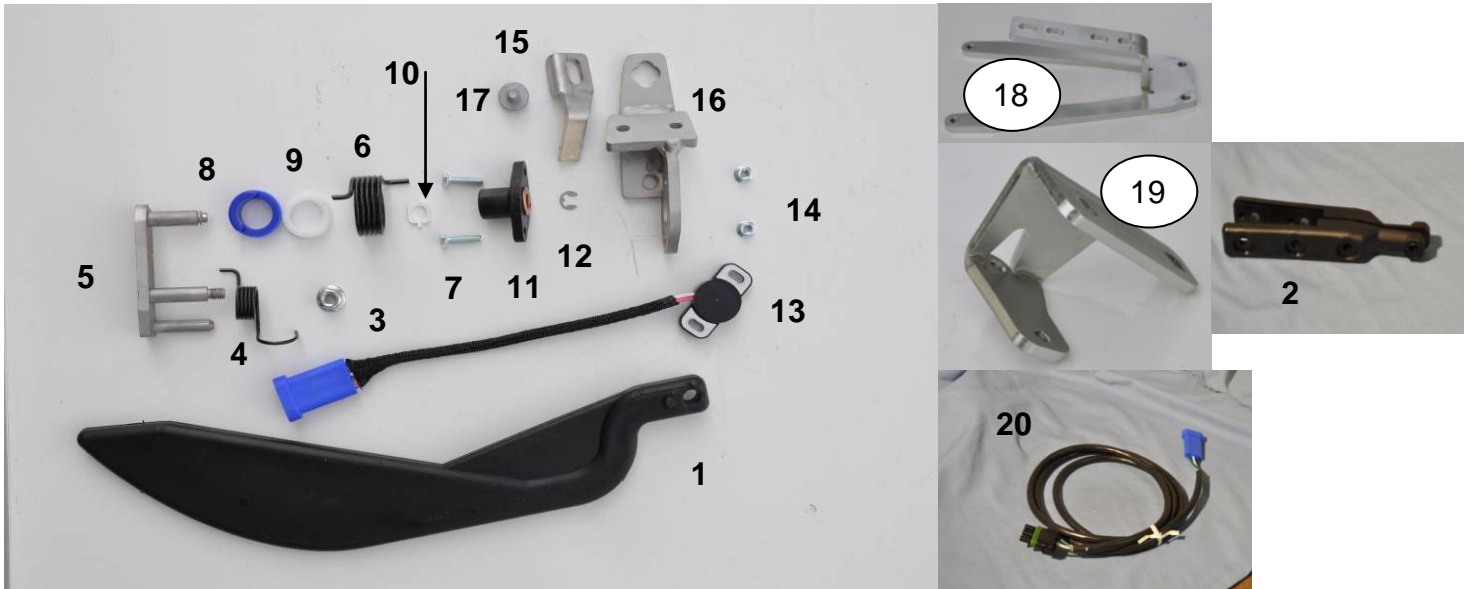


Increasing or Decreasing Voltage

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	
18	HT2237	BRACKET	AR	new poly outer
19	HT2238	BRACKET	AR	new poly inner
20	PFB10	10' 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	
	PFC10	10'WPACK REV HARNESS	AR	f/u/w prewired JD 90 series, reversed polarity
	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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