

# CONVERSION

INSTALLATION & OPERATION MANUAL



## HPX-JDX3-XX HARNESS GUIDE

09040106c



[HEADSIGHT.COM](http://HEADSIGHT.COM) | 574.546.5022



# About Headsight

---

## Headsight Contact Info

Headsight Harvesting Solutions  
4845 3B Road  
Bremen, IN 46506  
Phone: 574-546-5022  
Fax: 574-546-5760  
Email: [info@headsight.com](mailto:info@headsight.com)  
Web: [www.headsight.com](http://www.headsight.com)

## Technical Assistance

Phone: 574-220-5511

## About this Manual

---

### How to use this manual

The instructions in this manual are in the order that they should be completed for new installations. Complete all applicable instructions in each section before proceeding. Note that some sections are labeled to indicate they only apply to certain machines or applications. An index is available in the front of the manual to help find technical information for previously installed systems.



This icon designates information of which you should take note.



This icon indicates a special tool needed for a given task.



This icon designates an important instruction.

## Suggestions

If you have any suggestions to improve this manual please call 574-546-5022 or email [info@headsight.com](mailto:info@headsight.com).

## Disclaimers

HEADSIGHT, HORIZON, PINPOINT, FORESIGHT, FEATHERSIGHT, TRUESENSE, TERRAHAWK, INSIGHT, the Headsight logo, the Horizon logo, and Terrahawk logo are trademarks of Headsight Harvesting Solutions. All other trademarks are property of their respective owners.



Protected by one or more of the following patents and published applications:  
US6883299; US7310931; US7647753; US9609806; US9609806; US10222410;  
US10244680; EP2955993(DE,ES,FR,IT,UK); EP2956851 AU2004203614;  
BR112015019262; BR112015019286; CA2900987; CA2900994; WO20180152266

# Table of Contents

<b>Installation</b> .....	<b>01</b>
<b>Install Harness - HP1-JD53-16</b> .....	<b>02</b>
<b>Install Harness - HP1-JD63-16</b> .....	<b>03</b>
<b>Install Harness - HP2-JD53-31J</b> .....	<b>04</b>
<b>Install Harness - HP2-JD63-31J</b> .....	<b>05</b>
<b>Install Harness - HP3-JD53-16 (HA3-JD53-16)</b> .....	<b>06</b>
<b>Install Harness - HP3-JD63-16 (HA3-JD63-16)</b> .....	<b>07</b>
<b>Install Harness - HP2-JD10-16</b> .....	<b>08</b>
<b>Statement of Limited Warranty</b> .....	<b>09</b>

# Installation



Before working on combine or under header always:

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



## Install Harness - HP1-JD53-16

1. Mount connection (1) to header with HT2250 brackets and B2250 hardware within reach of combine electrical harness (near factory 16pin connector).
2. Connect (2) to factory 16 pin header connector.
3. Connect (3) to extension harness and route to installed potentiometer height sensor at right end of header.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points



### Additional Information

- Combines:
  - Models: John Deere 50 or 60-series
  - Connections: Multipoint header connection
- Headers:
  - Models: John Deere 900 series flex heads
  - Model years: xx-99
  - With or without factory JD Contour-Master sensors
- Headsight harness application:
  - For use when updating Dial-A-Matic header height sensor to potentiometer

## Install Harness - HP1-JD63-16

1. Mount connection (1) into single point connector with snap ring.
2. Connect (2) to factory 16 pin header connector.
3. Connect (3) to extension and route extension out to installed potentiometer height sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points

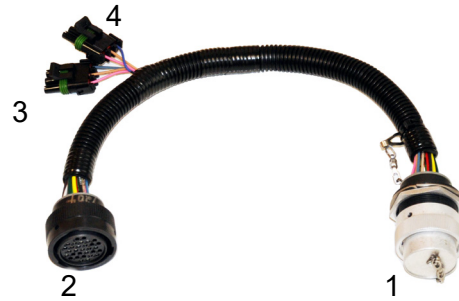


### Additional Information

- Combines:
  - Models: John Deere 50,60,70, or S-series
  - Connections: Singlepoint header connection
- Headers:
  - Models: John Deere 900 series flex heads
  - Model years: xx-99
  - With or without factory JD Contour-Master sensors
- Headsight harness application:
  - For use when updating Dial-A-Matic header height sensor to potentiometer

## Install Harness - HP2-JD53-31J

1. Mount connection (1) to header with HT2250 brackets and B2250 hardware within reach of combine electrical harness (near factory 31pin connector on header).
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
2. Connect (2) to factory 31 pin header connector.
3. Connect (3), marked L on connector, to shorter extension harness and route out to left contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
4. Connect (4), marked R on connector, to longer extension and route out to right contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points



### Additional Information

- Combines:
  - Models: John Deere 50 or 60-series
  - Connections: Multit point header connection
  - Contour-Master equipped
- Headers:
  - Models: John Deere 900F heads
  - Model years: 00-03
  - Without factory JD Contour-Master sensors
- Headsight harness application:
  - For use when updating level land header to have contour sensors



## Install Harness - HP2-JD63-31J

1. Mount connection (1) into single point connector with snap ring.
2. Connect (2) to factory 31 pin header connector.
3. Connect (3), marked L on connector, to shorter extension harness and route out to left contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
4. Connect (4), marked R on connector, to longer extension and route out to right contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points

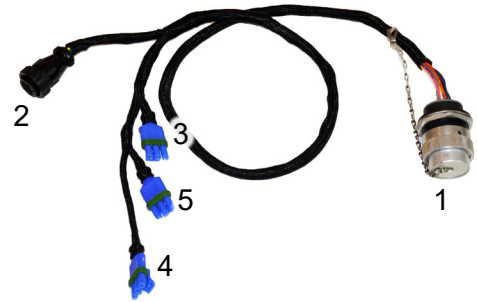


### Additional Information

- Combines:
  - Models: John Deere 50,60,70, or S-series
  - Connections: Singlepoint header connection
  - Contour-Master equipped
- Headers:
  - Models: John Deere 900F heads
  - Model years: 00-03
  - Without factory JD Contour-Master sensors
- Headsight harness application:
  - For use when updating level land header to have contour sensors
  - 70,S-series do not support Dial-A-Matic height sensor

## Install Harness - HP3-JD53-16 (HA3-JD53-16)

1. Mount connection (1) to header with HT2250 brackets and B2250 hardware within reach of combine electrical harness (near factory 31pin connector).
2. Connect (2) to factory 16 pin header connector.
3. Connect (3), marked L on connector, to shorter extension harness and route out to left contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
4. Connect (4), marked R on connector, to longer extension and route out to right contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
5. Connect (5), marked C on connector, to longer extension and route out to right height sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points

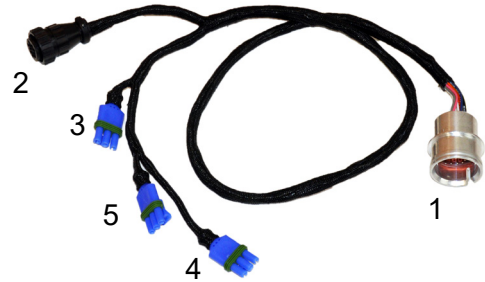


### Additional Information

- Combines:
  - Models: John Deere 50 or 60-series
  - Connections: Multi point header connection
- Headers:
  - Models: John Deere 900 series flex heads
  - Model years: xx-99
  - Without factory JD Contour-Master sensors
  - (also used for Row Crop heads)
- Headsight harness application:
  - For use when updating original Dial-A-Matic header height sensor to potentiometer or updating to potentiometer height and adding contour sensors

## Install Harness - HP3-JD63-16 (HA3-JD63-16)

1. Mount connection (1) into single point connector with snap ring.
2. Connect (2) to factory 16 pin header connector.
3. Connect (3), marked L on connector, to shorter extension harness and route out to left contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
4. Connect (4), marked R on connector, to longer extension and route out to right contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
5. Connect (5), marked C on connector, to longer extension and route out to right height sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points

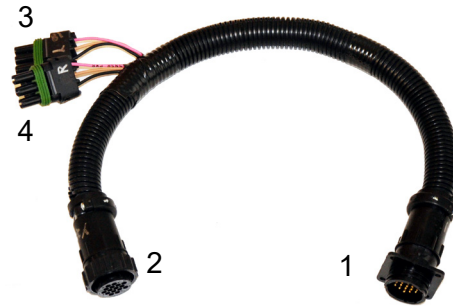


### Additional Information

- Combines:
  - Models: John Deere 50,60,70, or S-series
  - Connections: Singlepoint header connection
- Headers:
  - Models: John Deere 900 series flex heads
  - Model years: xx-99
  - Without factory JD Contour-Master sensors
  - (also used for Row Crop heads)
- Headsight harness application:
  - For use when updating original Dial-A-Matic header height sensor to potentiometer or updating to potentiometer height and adding contour sensors

## Install Harness - HP2-JD10-16

1. Mount connection (1) in factory header harness location.
2. Connect (2) to factory 16 pin header connector.
3. Connect (3), marked L on connector, to shorter extension harness and route out to left contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points
4. Connect (4), marked R on connector, to longer extension and route out to right contour sensor.
  - Fasten harness with zip ties, keep harness out of moving parts and away from any wear points



### Additional Information

- Combines:
  - Models: John Deere Dial-A-Matic 9x00/9x10 Combines
  - Connections: Multipoint header connection
  - Contour-Master equipped
- Headers:
  - Models: John Deere 900 series flex heads
  - Model years: xx-99
  - Without factory JD Contour-Master sensors
- Headsight harness application:
  - For use when updating level land header to have contour sensors

# Statement of Limited Warranty

## For Headsight® Products

Precision Planting DBA Headsight Harvesting Solutions (Headsight) warrants its new products to be free from defects in material and workmanship for a period of twelve (12) consecutive months following the date of purchase by the retail purchaser.

Headsight warrants its new corn sensors assemblies for a period of thirty-six (36) months.

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 should be done between farmer/dealer and Headsight through our 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 thirty (30) days of the occurrence of the claim and within the warranty period.
- All parts removed during warranty repair must be returned to Headsight with Headsight's Return Form within thirty (30) days of the occurrence of the claim and within the warranty period.
- Headsight reserves the right to either inspect the product at the original retail purchaser's location or require it to be returned to Headsight 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, NOR FOR ANY SUM IN EXCESS OF THE PRICE RECEIVED FOR THE GOODS FOR WHICH LIABILITY IS CLAIMED.

No representative of Headsight nor 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: **1/2022**



**P** 574.546.5022 • **F** 574.546.5760

4845 3B Rd • Bremen, IN 46506

[info@headsight.com](mailto:info@headsight.com)

[www.headsight.com](http://www.headsight.com)