

INSTALLATION MANUAL

Agra-GPS CNH Swather-JD Bridge for New Holland and CNH swathers



Version 1.3
June 2026

June 2026

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CNH Swather Install

Release Notice

This is the June 2026 release of the CNH Swather-JD Bridge Installation Manual.

Disclaimer

While every effort has been made to ensure the accuracy of this document, Agra-GPS Ltd assumes no responsibility for omissions and errors. Nor is any liability assumed for damages resulting from the use of information contained herein. Agra-GPS Ltd shall not be responsible or liable for incidental or consequential damages or a loss of anticipated benefits or profits, work stoppage or loss, or impairment of data arising out of the use, or inability to use, this system or any of its components.

DO NOT USE THE CNH Swather-JD Bridge IF YOU DISAGREE WITH THE DISCLAIMER.

Important Safety Information

Read this manual and the operation and safety instructions carefully before installing the CNH Swather-JD Bridge.

- Follow all safety information presented within this manual.
- If you require assistance with any portion of the installation or service of your equipment, contact your Agra-GPS for support.
- Follow all safety labels affixed to the system components. Be sure to keep safety labels in good condition and replace any missing or damaged labels. To obtain replacements for missing or damaged safety labels, contact Agra-GPS.

When operating the machine after installing the CNH Swather-JD Bridge, observe the following safety measures:

- Be alert and away of surroundings.
- Do not operate the CNH Swather-JD Bridge system while under the influence of alcohol or an illegal substance.
- Remain in the operator's position in the machine at all times CNH Swather-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the CNH Swather-JD Bridge system when a safe working distance has been diminished.
- Ensure the CNH Swather-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the CNH Swather-JD Bridge system.
- Follow all safety instructions from the CNH Swather system as well as the JD system!
- The CNH Swather-JD Bridge must only be used in the field, never on the street!

Electrical Safety

- Always verify that the power leads are connected to the correct polarity as marked. Reversing the power leads could cause severe damage to the equipment.
- Verify that all cables and connectors are not going over sharp edges and are not pinned, as this could cause power shortages and/or malfunctions.

Introduction

Congratulations on your purchase of the CNH Swather-JD Bridge. The CNH Swather-JD Bridge is designed to bridge the communication between a CNH Swather (Autoguide ready) and John Deere or Vision displays. This allows a JD display to create maps in the John Deere format and also provides straight AB-Line autosteer.

The operator used the JD display to create AB-lines. The current position is determined by a John Deere receiver and all this information is used by the CNH Swather-JD Bridge to create steering instructions for the CNH Swather tractor. All conditions for autosteer such as minimum speed, steering enabled etc. Must be met by the CNH Swather system before the autosteer engage option in the tractor can be activated.

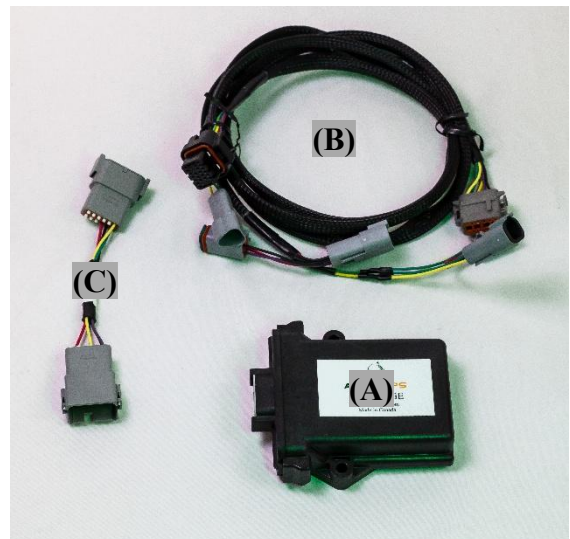
NOTICE

This manual is not intended to replace the manuals for the machine or the John Deere system. The operator must read and understand the manuals and instructions of these systems, before using the CNH Swather-JD Bridge.

What's In The Box

In your order you should receive the following items:

- a. CNH Swather Bridge
- b. CNH Swather Machine Adapter
(SKU: CNHJDSRMABS2)
- c. CNH Swather Roof Adapter
(SKU: CNHJDSRRABS2)



NOTE: If you are missing any of these items or they appear to be damaged please contact +1 (825) 247-2477 or support@agragps.com

Step 1: Disconnecting pre-installed autoguide system

Disconnect and remove the pre-installed receiver mounted on the roof of the machine.

Inside the cab, move the seat forward to expose the pre-installed steering controller located at the back of the cab.

Disconnect the cables and remove or disconnect the pre-installed steering controller.



Step 2: Mounting the CNH Swather-JD Bridge

The CNH Swather-JD Bridge is installed right of the driver seat, inside the armrest.

Remove the plastic insert inside the armrest, exposing the area below.

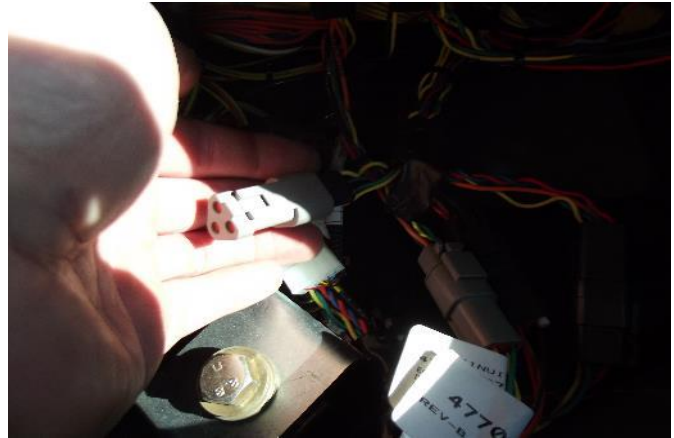
This will give you access to power and CANbus wiring hidden inside the armrest.



When mounting the bridge connect the 12-pin female mini plug of the CNH-Swather harness to the bridge.



Disconnect the 3-pin Deutsch connector from its terminating plug inside the armrest. Insert the 3-pin Deutsch plug of the AgraGPS adapter harness to the connector.



Inside the armrest, disconnect the black 4-pin Deutsch (has orange, black, red wires) male and female from each other. Insert the grey 4-pin Deutsch male and female plugs of the AgraGPS machine adapter **in between** those two connectors.

Next, disconnect the smaller grey 4-pin Deutsch mini (has orange, black, green, yellow wires) male and female from each other. Insert the grey 4-pin Deutsch mini male and female plugs of the AgraGPS machine adapter **in between** those two connectors.



Step 3: Mounting the JD Display

The mounts for the JD display are NOT part of the CNH Swather-JD Bridge, however they can either be ordered as an optional item from AgraGPS or directly from RAM.

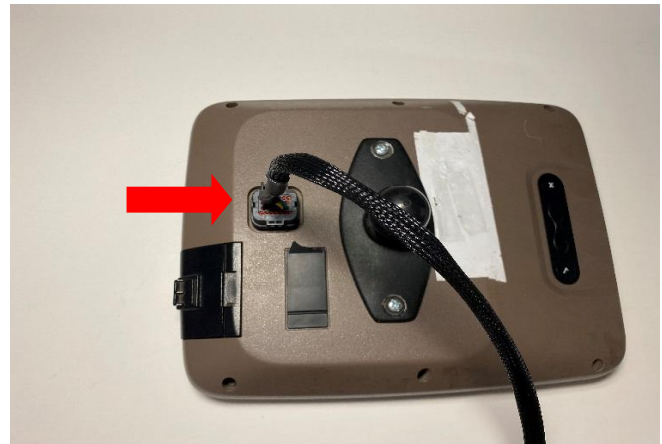
The JD-display may be mounted many different ways.

You may use the standard JD mounts or a RAM mount. RAM-270U + 2 * 1.5" balls (RAM-202U) + 4" double socket arm (RAM-201U)

<http://www.rammount.com/part/RAM-270U>



Once the JD display is mounted route the black display connector to the display and connect it.



Step 4: Mounting the JD Receiver

The CNH Swather-JD Bridge does NOT include a standard JD-receiver bracket.

You will want to create a mount which is centered left-right on the cab roof.

On the roof, attach the smaller 12-pin Deutsch mini end of the AgraGPS roof adapter into the 12-pin connector on the roof, previously attached to the pre-installed receiver.

Connect the other end of the AgraGPS roof adapter into the John Deere GPS.



Step 5: Once the receiver is installed, move on to the Bridge User Manual for instructions on how to access the ISO app

NOTE: If you do not have the Bridge User Manual it can be found at <https://www.agragps.com/bridge-user-manual-english/>

Step 6: Additional information for CNH Swather-JD Bridge

Important – Currently, 2600/2630 monitors do NOT have the ability to record with hydraulics while the windrower machine type is selected. If you need to record on the John Deere monitor then you must select a different machine type or no machine type.

Currently, 4640 monitors do not have the option to select windrower as a machine type.

Enabling autosteer: Press and hold the autosteer rocker switch

