

INSTALLATION MANUAL

Agra-GPS Ideal-JD Bridge for Fendt Ideal Combines



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Release Notice

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

Disclaimer

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

Important Safety Information

Read this manual and the operation and safety instructions carefully before installing the Ideal-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 Ideal-JD Bridge, observe the following safety measures:

- Be alert and aware of surroundings.
- Do not operate the Ideal-JD Bridge system while under the influence of alcohol or an illegal substance.
- Remain in the operator's position at all times when the Ideal-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Ideal-JD Bridge system when the safe working distance has been diminished.
- Ensure the Ideal-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Ideal-JD Bridge system.
- Follow all safety instructions from the Ideal system as well as the JD system.
- The Ideal-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 Ideal-JD Bridge. The Ideal-JD Bridge is designed to bridge the communication between a Ideal machine (Autosteer 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 uses the JD display to create guidance lines. The current position is determined by a John Deere receiver and all this information is used by the Ideal-JD Bridge to create steering instructions for the Ideal machine. All conditions for autosteer such as minimum speed, steering enabled, etc. must be met by the Ideal system before the autosteer engage option in the machine can be activated. The Ideal-JD bridge has been developed so that the user may use their John Deere equipment with the standard functionality when possible.

NOTICE

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

What's In The Box

The AGCO-JD-IDL consists of the following items:

- a. AGCO-Ideal Bridge
- b. AGCO-Ideal Harness
(SKU: AGCOJDIDLMABS2)
- c. JD12 Harness
(SKU: JD-12)
- For connection to receiver and monitor.



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: Mounting the Ideal-JD Bridge

The Ideal-JD Bridge is installed right of the driver seat.

Open the panel to the right of the seat and expose the compartment below.



Towards the back of the compartment there should be three diagnostic ports. These ports will have numeric designations.

Take the Ideal-JD adapter cable and connect the end labelled 'Main' into the diagnostic port labelled '2'. Connect the other end, labelled 'Secondary' into the diagnostic port labelled '1'.



Then, insert the cigarette lighter power end of the Ideal-JD adapter into the **switched-power** cigarette power port located towards the back of the cab. It is important that this is not connected to a constant-power port.



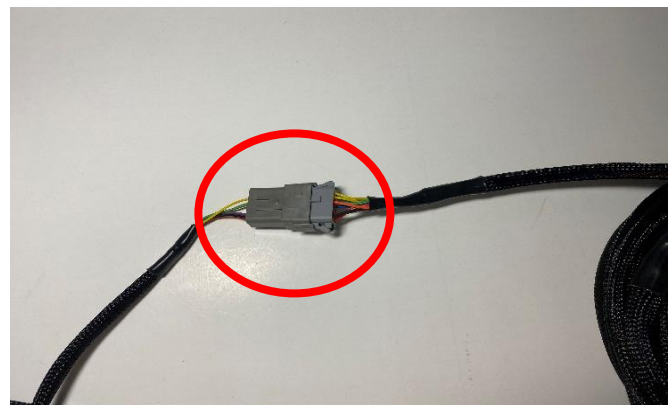
The harness should come with the 12-pin female Deutsch mini connector pre plugged into the bridge.

Ensure that this is plugged in, then mount the bridge inside the armrest.



The 12-pin male Deutsch connector should also be plugged into the 12-pin female Deutsch connector of the JD-12.

Note: If your adapters are not plugged into these spots do it now.



Step 2: Mounting the JD Equipment

The John Deere GPS receiver **MUST** be mounted at the front of the cab as shown.



Use the provided adapter cable to connect the 12-pin deutsch of the JD GPS receiver with the 12-pin deutsch of the Ideal-JD cable.

It is best to route the JD receiver end of the Ideal-JD cable out through the right side of the cab and up to the roof.



Mount the JD Monitor somewhere sturdy inside the cab and connect it to the Ideal-JD cable.

The JD-display may be mounted many different ways.
You may use the standard JD mounts or a RAM mount.

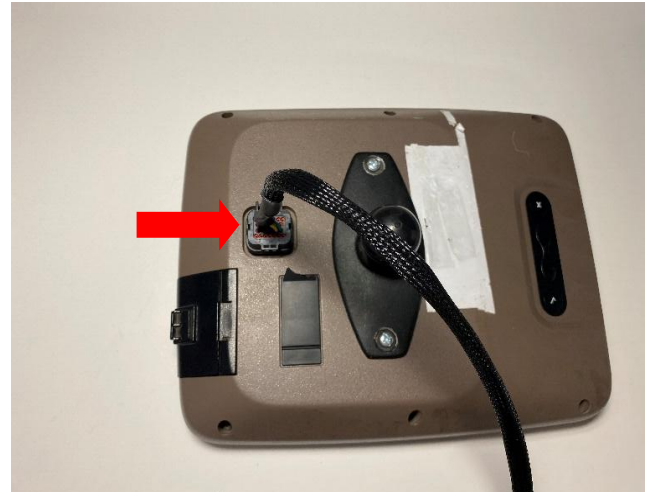
RAM-270U + 2 * 1.5" balls (RAM-202U) +
4" double socket arm (RAM-201U)

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



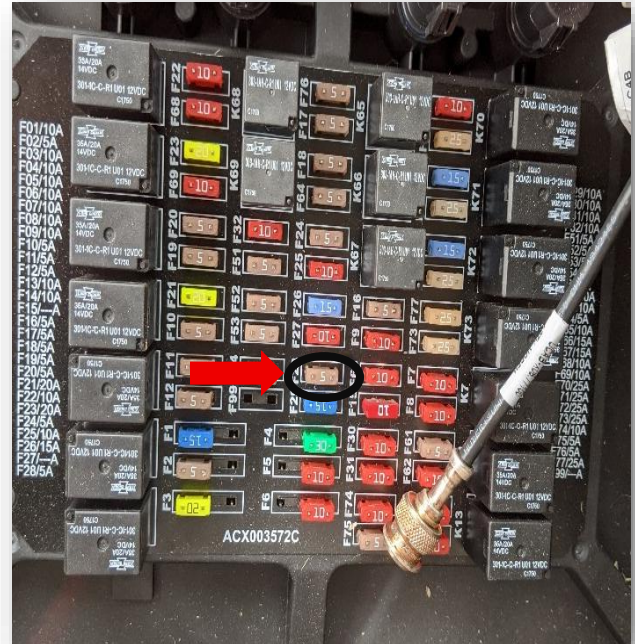
Take the final black connector and connect it to your JD Display.

Note: The back of your display may look different but this connector will work for all displays.



Step 3: Remove the existing Steering Controller

In order for the Ideal-JD bridge to function, the existing guidance controller must be removed from operation. To do this, simply remove fuse **F28** (VD03) in the same compartment where the Ideal-JD bridge was installed. On startup there may be some errors related to the VD03 controller or the F28 fuse. These can be ignored.



Step 4: 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/>

Additional information for Ideal-JD Bridge

For autosteer activation you must follow the "normal" JD steps to be autosteer ready:

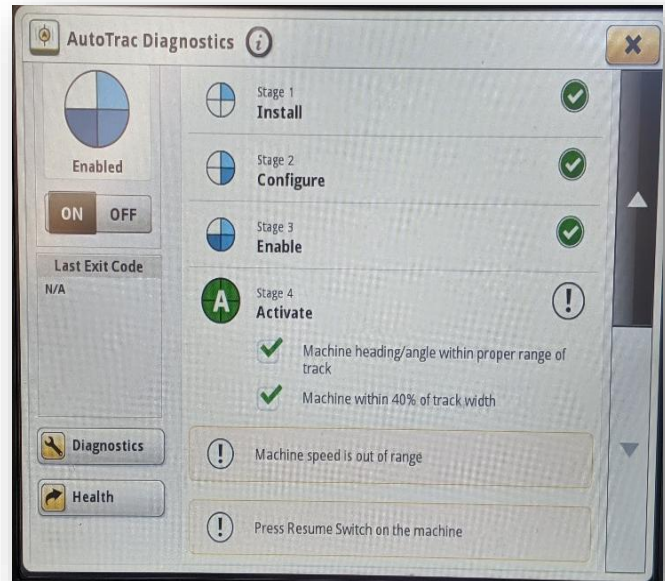
- Create an AB-line
- Move from "Steer OFF" to "Steer ON" (3 sections of the guidance 'pie') on the JD display.

NOTE: In order to go from "Steer OFF" to "Steer ON" the user must satisfy all guidance requirements for the John Deere monitor. This includes being close to the AB-line.

Your machine must also be in "autosteer ready" mode, which means you must have a field gear selected, drive at a minimum speed and have moved your steering wheel at least once after engine start.

The autosteer is then enabled by pressing the built-in resume button on the throttle control lever.

Autosteer settings can be adjusted within the JD display.



Work recording in the Ideal-JD Bridge is done based on the 'workstate' of the Ideal machine. For workstate to be considered on by the machine, the header and threshing must be on, and the header must be lowered below the Ideal's set workpoint. This workpoint can be set in the built-in monitor in the Ideal machine under the 'Header Width Adjustments' section of the monitor.

