

INSTALLATION MANUAL

Agra-GPS Gleaner-JD Bridge for S77 combines



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Release Notice

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

Disclaimer

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

Important Safety Information

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

- Be alert and aware of surroundings.
- Do not operate the Gleaner-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 Gleaner-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Gleaner-JD Bridge system when the safe working distance has been diminished.
- Ensure the Gleaner-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Gleaner-JD Bridge system.
- Follow all safety instructions from the Gleaner system as well as the JD system.
- The Gleaner-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 Gleaner-JD Bridge. The Gleaner-JD Bridge is designed to bridge the communication between a gleaner combine and a John Deere (JD) GPS receiver (Starfire) & monitor display – either a JD display, or the Agra-GPS Vision display.

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 Gleaner-JD Bridge to create steering instructions for the Gleaner combine. All conditions for autosteer such as minimum speed, steering enabled etc. Must be met by the Gleaner system before the autosteer engage option can be activated.

NOTICE

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

What's In The Box

In your order you should receive the following items:

- a. Gleaner S77 Bridge
- b. Gleaner S77 Machine Adapter
(SKU: AGCOJDGLS77MA)
- c. JD12 Harness for connection to
receiver and monitor
(SKU: JD12)



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 Gleaner-JD Bridge

The Gleaner-JD Bridge is installed to the right of the driver seat. Mount the bridge then, connect the 12-pin female Deutsch mini plug of the harness to the bridge.



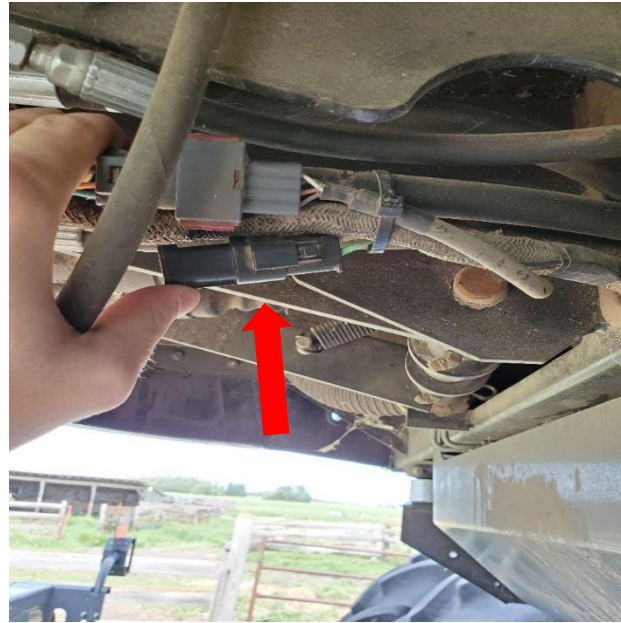
Open the electrical panel to the right of your seat and expose the single diagnostic port tucked into the lower side of the panel.

Insert the black diagnostic connector into the port.

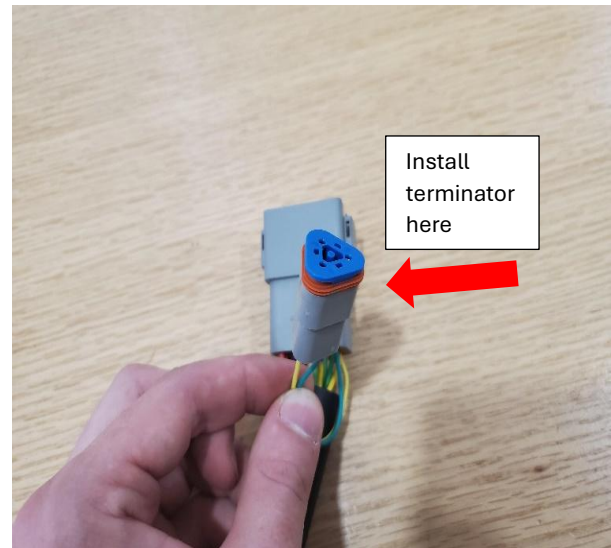


The loose wire of the Gleaner JD-Bridge needs to be tied into the 12+ **constant** battery power bolt on the large PCB located above the two diagnostic ports.

Below the cab is a black 3 pin Deutsch terminator plug. Remove the plug and connect the 3 pin Deutsch connector of the bridge adapter to the plug below the cab.



Take the terminator plug back into the cab and connect it to the 3 pin Deutsch plug of the Gleaner S77 Machine Adapter.



Once the bridge is installed, connect the 12-pin male of the Gleaner S77 harness to the 12-pin female of the JD-12. Then, route the JD-12 cable out through the opening below the panel.



Step 2: Mounting the JD Equipment

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

The square receiver mount can be bolted onto the default AGCO mount at the front of the cab.

Use the 12-pin grey connector of the JD-12 harness to connect to the receiver.

It is best to route the JD-12 cable out through the right side of the cab and up to the roof.



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

The RAM mount can be purchased from Agra-GPS or RAM directly.

RAM-270U + 2 * 2.5 “ balls (RAM-202U) + 4” double socket arm (RAM -201U)

<https://www.agragps.com/product/cab-ram/?v=5435c69ed3bc>

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

Once the monitor has been mounted plug the final black connector into the monitor.



Step 3: Once the receiver is installed, refer to the Bridge User Manual for instruction 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/>

Operating notes for the AgraGPS Gleaner-JD Bridge

Make sure your auto guide button is set to the ON position. It is located under the raising cover of the armrest, to the right of the driver's seat.



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" on the JD display.

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 your armrest.

Autosteer settings can be tweaked within the JD display (refer to Bridge User Manual).



In order for yield and moisture to be displayed on the JD Monitor, a task must be started on the AGCO monitor in the machine.

Additional Information For Gleaner-JD Bridge

Work recording in the Gleaner-JD Bridge is done based off of header height. In order to configure this, the set 'Work Position' must be set in the ISOApp to the desired height at which recording should start. Whenever the current header position goes below this work position, recording will start. These instructions will also be found within the ISOApp itself.