INSTALLATION MANUAL

Agra-GPS Claas-JD Bridge for Claas-Lexion combines

Version 1.2
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Release Notice

This is the July 2026 release of the Claas-JD Bridge Installation Manual.

Disclaimer

Important Safety Information

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

- Be alert and away of surroundings.
- Do not operate the Claas-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 Claas-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Claas-JD Bridge system when a safe working distance has been diminished.
- Ensure the Claas-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Claas-JD Bridge system.
- Follow all safety instructions from the Claas Lexion system as well as the JD system!

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 Claas-JD Bridge. The Claas-JD Bridge is designed to bridge the communication between a Claas Lexion combine and a John Deere display (1800, 2600, 2630, or 4640). This allows a JD display to create yield and moisture maps in the John Deere format and also provides straight AB-Line autosteer for the Lexion combine.

The operator uses the Lexion Cebis monitor for yield and moisture calibrations. Its data is then send to the Claas-JD Bridge and translated into a format which is understood by the John Deere display.

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

Information such as speed, header working position and header width are also communicated from the Claas Cebis system to the JD system.

Croptypes, cropname, cropweight and storage moisture are important information for accurate yield data. This information is NOT transferred between the systems and must be entered manually!

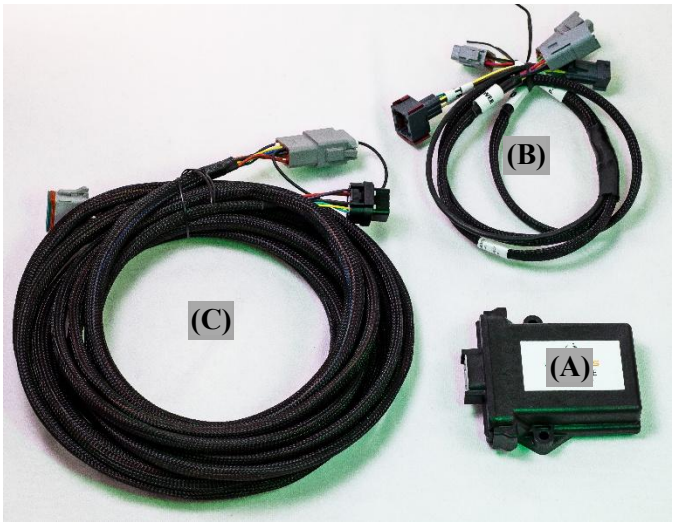
NOTICE

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

What's In The Box

The CLAAS-JD-C kit consists of the following items:

A. CLAAS-JD-C Bridge
B. CLAAS-JD-C Machine Adapter
(SKU: CLAASJDCJMABS2)
C. JD-12
(SKU: JD12)



NOTE: If you are missing any of these items or they appear to be damaged please contact

Step 1: Installing the Machine Adapter

The Claas-JD Bridge can be mounted behind the driver seat.

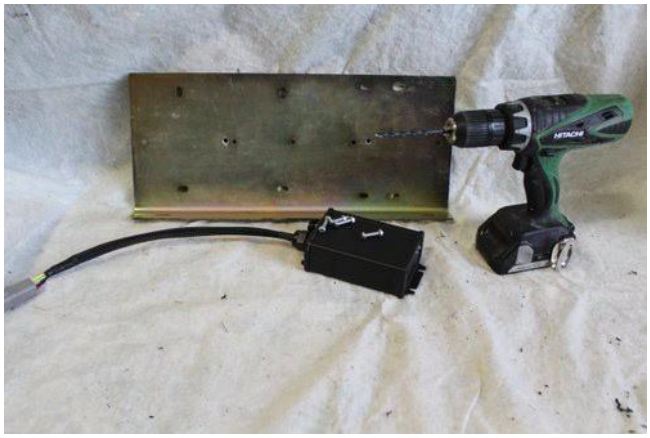
Removing the plastic cover, you will find a metal plate as shown.

Remove the 2 bolts and take out the metal plate.

Use a drill to create 2 holes matching the mounting points of the Claas-JD Bridge.

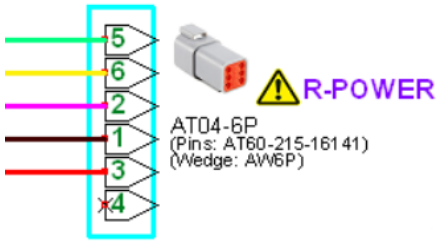
Using standard screws and nuts (not supplied). Mount the box so that the connection port faces the right of the combine.

Note: the image shows an older version of the Claas-JD Bridge however the process is the same.



Before reinstalling the metal plate, connect the grey 12-pin mini connector of the Machine Adapter to the bridge.

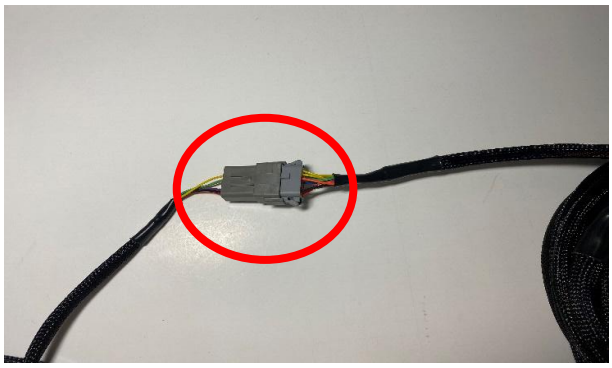
There should also be a 6-pin Deutsch connector behind the seat. Connect the 6-pin of the Machine Adapter there.



Next, to the right of the seat in the fuse panel area you should find an ATP module.

Remove the corresponding 6-pin connector from the ATP module, and insert the harness adapter, as shown.

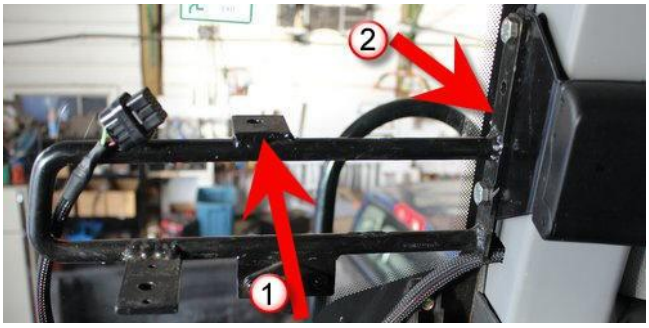
Take the final grey 12-pin connector of the Machine Adapter and plug it into the corresponding connector of the JD-12 Adapter.



Step 2: Installing the JD-12 Adapter

The mounts for the JD display are NOT part of the Claas-JD Bridge, but can easily be manufactured/ordered in the average farm shop. Shown below are 2 examples of JD-display mounts.

The JD-display may be mounted many different ways. The picture to the right shows a farmer made mount using the bolts on the cupholder (2) and a welded-on plate (1) for a standard JD-display mount.



Finished installation of a JD 2630 display using the mount above and the standard JD display mount.

Another option is using two RAM mount 1.5" ball (RAM-202U) and a 4" double socket arm (RAM-201U).
The unit in the picture has a home build metal plate, however RAM also offers the RAM-270U which was designed for the JD displays.
These parts can be ordered directly from Agra-GPS or from RAM.
(http://www.rammount.com/part/RAM-270U)

The picture shows a JD 2630 display mounted using a RAM mount hardware and the standard Claas Lexion "rail".
The new 2015 rail setup (not shown) is stringer and already has a mount for a 1.5" ram mount ball, so the Claas side is prepared.

Once the monitor is mounted, route the black connector of the JD-12 to the monitor and connect it.

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

The receiver must be mounted on the front of the cab.

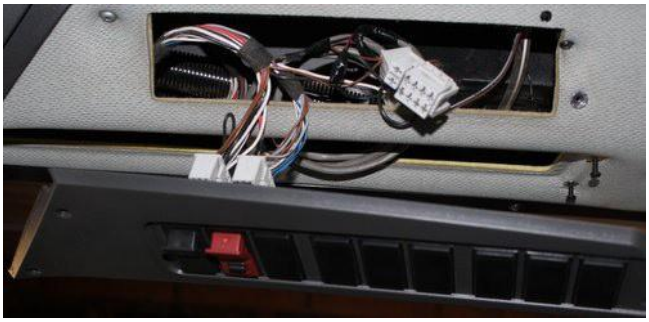
Optional mounts can be purchased from Agra-GPS.

If you have purchased the Agra-GPS Mount Kit, first mount the base plate. Then, mount the square receiver mount into the holes on the base plate mount.

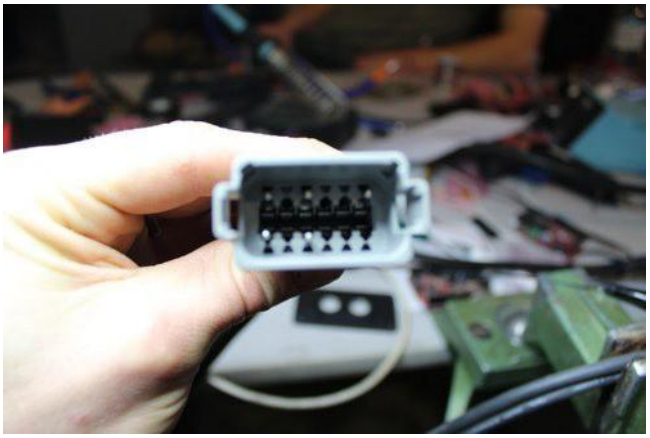
In order to route the JD-12 Adapter to the roof panels must be removed. However, for a more temporary installation, you can simply run the cable to the JD-receiver out through the right door to the roof.

Remove the plastic cover behind the right door by unbolting the cupholder and the cloth hanger.

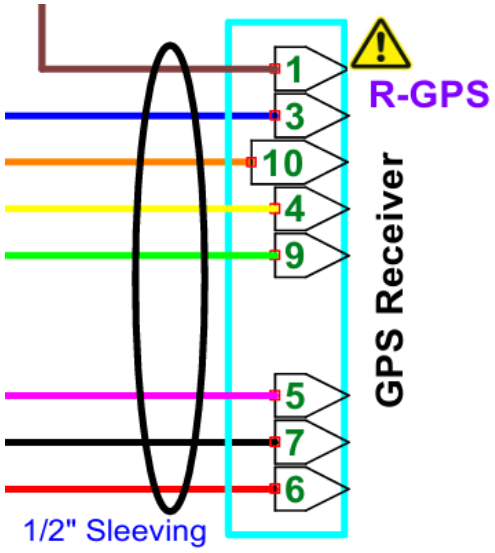
Remove the screws holding the row of switches on the top right of the cab. It provides access to a cable canal, going from the cab to the front of the cab.
Remove the screws on the Lexion plastic plate in front of the cab (outside) and you will find the other end of the cable canal.



In order to run the cable, you may need to remove the connector. In order to remove the connector, remove the wedge inside, then carefully pull the cables backwards outside of the connector. You will need a small flat screw driver to release the plastic clamps inside the connector (be careful to not apply too much pressure as these can break).



Make a note of the cable layout before removing any wires. You can also refer to the wire diagram pictured.



Run the cable out at the bottom part of the front roof panel, creating a hole matching the size of the cable.
Now reassemble the 12-pin deutsch connector.

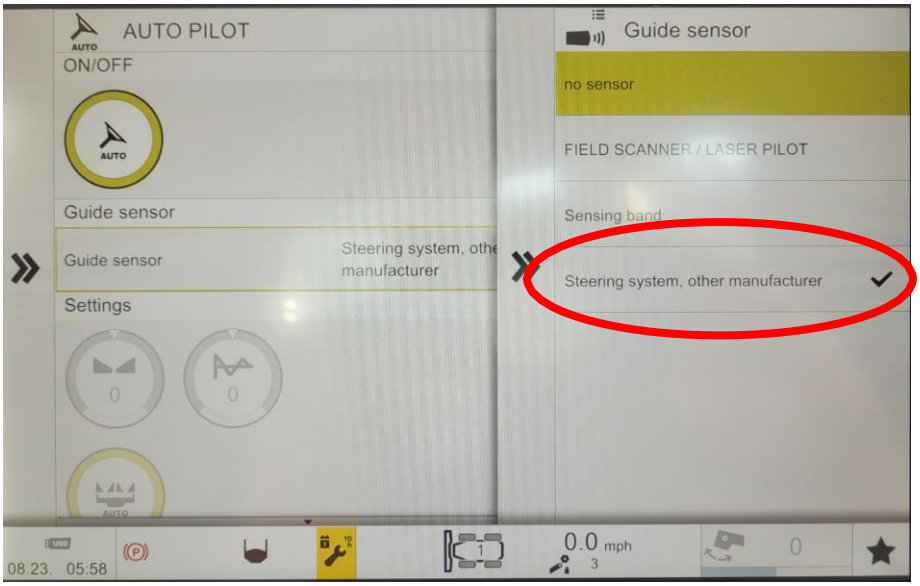
Finally, connect to the JD receiver to complete the installation.

Step 3: Once the bridge kit is installed, move on to the Bridge User Manual for instructions on how to access the ISO app

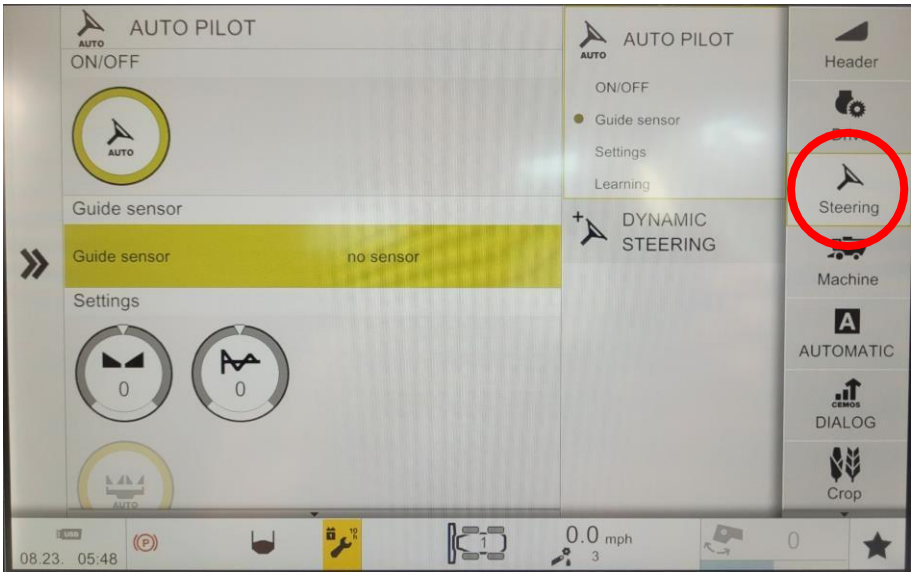
NOTE: If you do not have the Bridge User Manual it can be found at https://www.agragps.com/bridge-user-manual-english/

Step 4: CEBIS Setup

- In the CEBIS you must set the steering input source. Select the "Steering" from the right side menu, and ensure auto on/off is set to ON. Then select the "Guide sensor" item.



- Select "Steering system, other manufacturer" from the list



- A good test to verify complete communication with both the Claas and John Deere systems is to change header size on the CEBIS monitor. It should take only a few seconds until the header size is changed on the JD monitor.

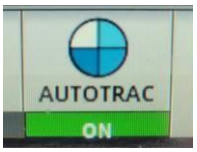
- It should take only a few seconds until the header size is changed on the JD side.

Step 5: AutoSteer Operation

Refer to the AutoTrac Pie indicator on the JD monitor screen. With the Bridge attached, you should see at least 1 quarter of the Pie displayed if everything is normal (Installed).

Press the AutoSteer Enable button on the armrest to obtain 2 quarters (Configured).

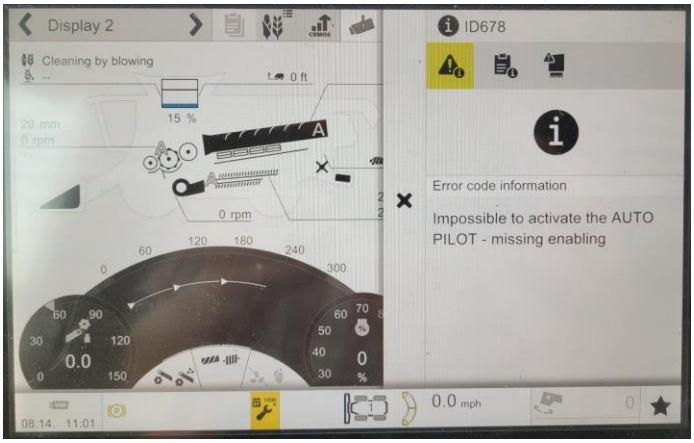
If the Pie has not already moved to 3 quarters (Enabled), the press the Pie on screen.



Press the Engage (also known as Resume) button to activate Auto-Steering (4 quarters). It will engage if all other conditions are met, such as minimum speed and threshing activated. You can press the Engage button again to disengage, or simply turn the steering wheel. Forcing the steering wheel will automatically disengage auto-steering.

Troubleshooting

If you see this error, it may mean that threshing was not engaged when autosteer was attempted.



If you see this error, it may mean that the Bridge is not unlocked for your machine. Please contact Agra-GPS at 1.825.247.2477 to get your unlock code