

# INSTALLATION MANUAL

## Agra-GPS AGCO-JD Bridge for Fendt One Machines



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Revision A  
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### **Release Notice**

This is the March 2021 release (Revision A) of the AGCO-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 AGCO-JD Bridge IF YOU DISAGREE WITH THE DISCLAIMER.**

## **Important Safety Information**

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

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

## **Electrical Safety**

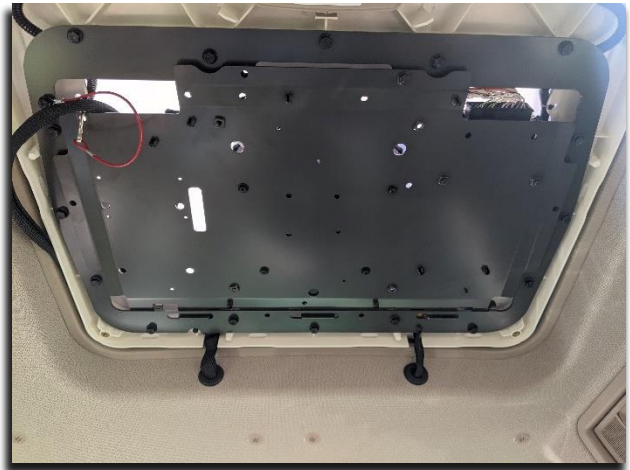
- Always verify that the power leads are connected to the correct polarity as marked. Reversing the power leads could cause severe damage to the equipment.
- Verify that all cables and connectors are not going over sharp edges and are not pinned, as this could cause power shortages and/or malfunctions.

## Step 1: Mounting the AGCO-JD Bridge

The AGCO-JD Bridge is installed in the roof above the main seat.

Remove the plastic cover, exposing the metal panel behind it.

To access the connector for steering, you need to remove all the bolts securing the inner panel, allowing it to swing down



Once the panel is open, the following should be exposed.



Locate the x4250\_P connector (shown right) and disconnect the female connector from the male connector.





**The following cable can be inserted incorrectly if instructions are not followed. Read carefully.**

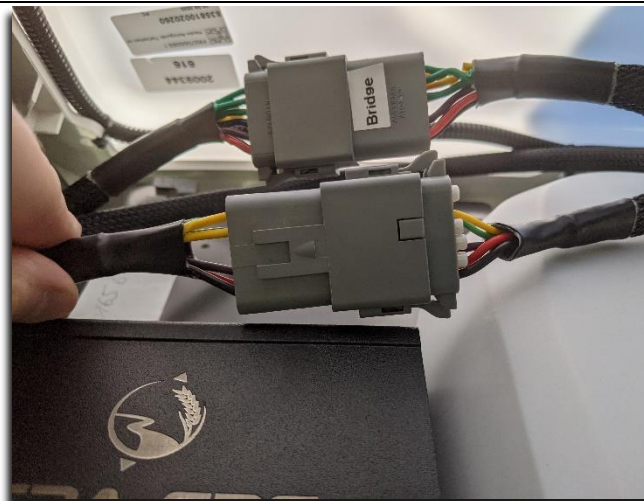
Insert the **Machine** labelled 12-pin male Deutsch end of the bridge to machine adapter cable (12-pin Deutsch male to 12-pin Deutsch male cable) into the black 12-pin Deutsch female that was previously connected to the x4250\_P connector.



Insert the **Bridge** labelled 12-pin male Deutsch end of the bridge to machine adapter cable (12-pin Deutsch male to 12-pin Deutsch male cable) into the grey 12-pin Deutsch female end of the Agra-GPS AGCO-JD Bridge.



Next, insert the 12-pin Deutsch female end of the bridge to GPS adapter cable (12-pin Deutsch female to 12-pin Deutsch male cable) into the Agra-GPS AGCO-JD Bridge. Route the 12-pin Deutsch male end of the same cable to the roof outside of the machine and connect it to your JD GPS.

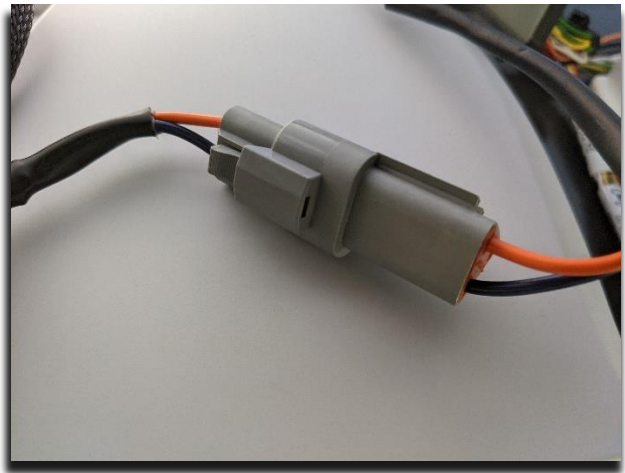


(Connection from the bridge to GPS adapter cable to a StarFire 6000 receiver)



Finally, connect the 3-pin Deutsch male end of the bridge to machine adapter into the 3-pin Deutsch female end of the bridge to GPS adapter.

Mount the Agra-GPS bridge onto the roof panel (3M Velcro was used in this install) and reseal the metal panel. Return the plastic panel to its roof position.



## Step 2: Connecting the JD Monitor cable

Locate the following panel on the back-right side of the machine's roof.



Insert the circular 9-pin female end of the monitor to machine adapter into the 9-pin male ISO in-cab connector.



Insert the 3-pin male connector into one of the two 3-pin female power connectors.

Insert the final female monitor connector into your JD monitor.





### Step 3: Mounting the JD Equipment

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

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



Mount the JD Monitor somewhere sturdy inside the cab and connect it to the AGCO-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>



### Step 4: Usage of the AGCO-JD Bridge

Further instructions for set up and usage of the AGCO-JD Bridge can be found within its respective user manual.