

INSTALLATION MANUAL

Agra-GPS AGCO-JD Bridge for CH700 series tractors



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Contact information
Agra-GPS Ltd.
Box 2585
Stony Plain, AB
T7Z 1X9
CANADA
+1 (825) 247-2477
support@agragps.com
www.agra-gps.com

Release Notice

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

Disclaimer

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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 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 your surroundings.
- Do not operate the AGCO-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 the AGCO-JD Bridge system is engaged.
- Determine and maintain 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.

Introduction

Congratulations on your purchase of the AGCO-JD Bridge. The AGCO-JD Bridge is designed to bridge the communication between an AGCO tractor (Profi Plus) 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 AB-lines. The current position is determined by a John Deere receiver and all this information is used by the AGCO-JD Bridge to create steering instructions for the AGCO tractor. All conditions for autosteer, such as minimum speed and steering enabled, must be met by the AGCO system before the autosteer engage option in the tractor can be activated.

NOTICE

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

What's In The Box

The AGCO-JD-CH700 kit consists of the following items:

- a. AGCO-CH700 Bridge
(SKU:AGCOJDBS2)
- b. AGCO-CH700 Machine Adapter
(SKU:CHJD700MABS2)
- c. AGCO-CH700 Diagnostic Adapter
(SKU:CHJD700DABS2)



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

Installation of the AGCO JD Bridge in a CH700

Step 1: Installing the Machine Adapter

Above the steering wheel is a compartment that houses the connection point for the Bridge adapter. Two screws hold the panel in place.



Once the panel is removed, various controllers will be visible. NOTE: VD-03 must be disconnected.



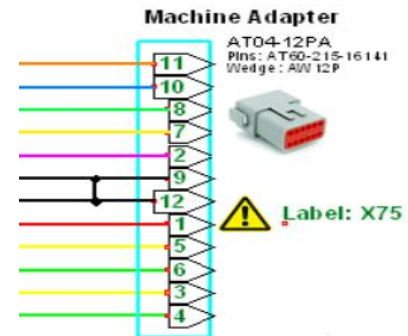
The harness should come with the 12-pin female Deutsch mini connector pre-plugged into the bridge.

Ensure that this is plugged in, then mount the bridge in the overhead compartment.

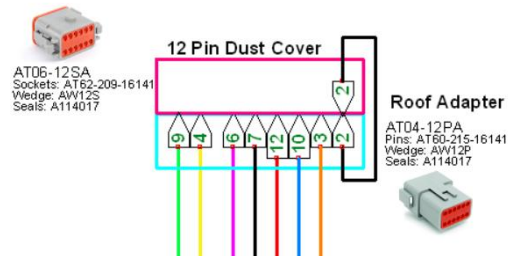


The machine adapter also has 2 12-pin male connectors, one with a dust cover and one without.

The 12-pin **without** a dust cover will connect to the machine inside the cab.



The 12-pin **with** a dust cover will be routed outside to the roof and plugged into the receiver.



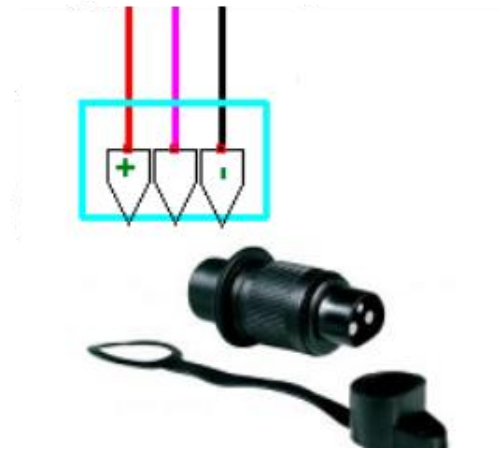
Step 2: Installing the Diagnostic Adapter

Inside the cab, there is an ISO connector. Connect the ISO connector from the harness into this port.

Note: The ISO connector may be located in a different location; however, the port will look like the image depicted.

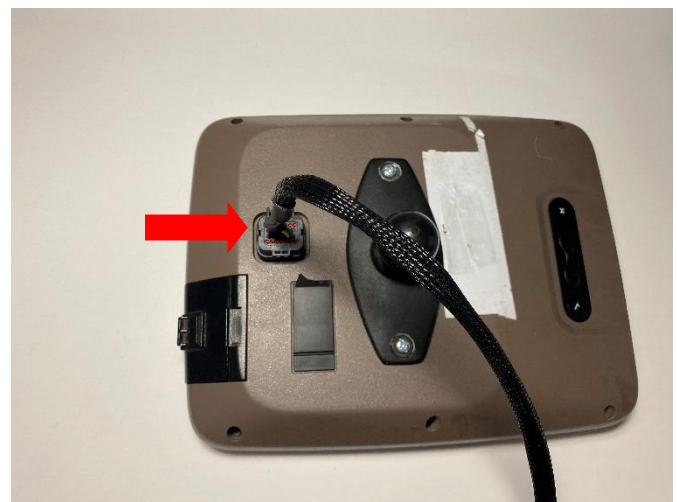


Next, take the round 3-pin power connector and connect it to the machine.



Finally, mount the JD display and route the final black connector to the monitor and connect it.

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



Step 3: Once the receiver is installed, refer 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/>