

INSTALLATION MANUAL

Agra-GPS Massey-JD Bridge for Massey 7xxx and Challenger MT5xx tractors



Version 1.3
July 2026

July 2026

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 July 2026 release of the Massey-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 Massey-JD Bridge IF YOU DISAGREE WITH THE DISCLAIMER.

Important Safety Information

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

- Be alert and away of surroundings.
- Do not operate the Massey-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 Massey-JD Bridge system is engaged.
- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Massey-JD Bridge system when the safe working distance has been diminished.
- Ensure the Massey-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Massey-JD Bridge system.
- Follow all safety instructions from the Massey system as well as the JD system!
- The Massey-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 Massey-JD Bridge. The Massey-JD Bridge is designed to bridge the communication between a Massey tractor (Autoguide ready) and a John Deere display (2600 or 2630). This allows a JD display to create maps in the John Deere format and also provides autosteer.

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

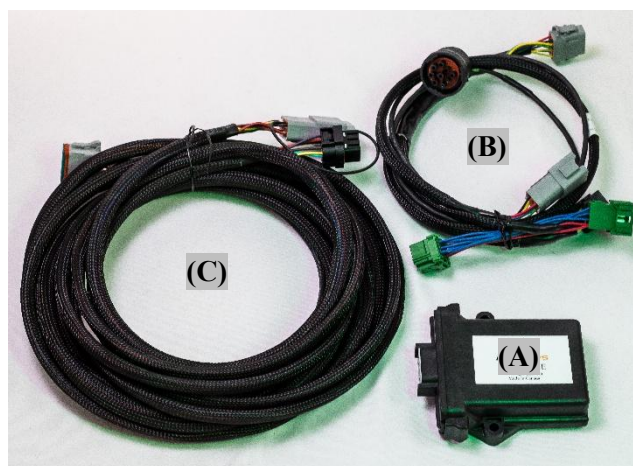
NOTICE

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

What's In The Box

The AGCO-JD-7xxx kit consists of the following items:

- A. AGCO-JD-7xxx Bridge
- B. AGCO-JD-7xxx Machine Adapter
(SKU: AGCOJD7xxxMABS2)
- C. JD12 Adapter
(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: Installing the Machine Adapter

The Machine Adapter is installed right of the driver seat.

Removing the plastic cover, you will find the fuse panel

To the left of the fuse panel, there is sufficient space to place the Massey-JD Bridge. It is also close to the connection point.



The connector is behind the panel shown in the picture.



Plastic cover removed.



The green connectors must be opened, then the two green connectors of the Machine Adapter will be plugged in as a passthrough connection.



There is also a gray connector in the same size behind the panel, open the connection and install they gray connector of the Machine Adapter.



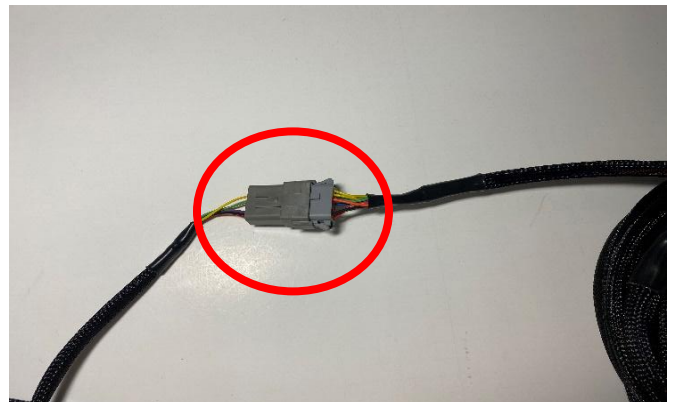
The round connector of the Machine Adapter will connect to the diagnostic port within the cab. This connection needs to be made in order to detect the direction of the machine.



The grey 12-pin Deutsch mini plug will connect to the bridge. Once connected the bridge can be mounted in a safe place within the cab away from any heat sources.



The final grey 12-pin Deutsch connector will connect to the corresponding plug of the JD12.



Step 2: Installing the JD12 Adapter

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

However a mount can be purchased separately from Agra-GPS if required.

You want to create a mount which is centered left-right. Install towards the front of the cab.

Once the receiver has been mounted, route the grey 12-pin of the JD12 Adapter to the roof and plug it into the receiver.



Next, mount the JD Monitor somewhere sturdy inside the cab. The JD Display can be mounted in many different ways. You may use the standard JD mounts or a RAM mount.

RAM mounts can be purchased from Agra-GPS or directly from RAM.

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: Resume switch

The Massey does not have a built-in dedicated resume switch, however it can be programmed.

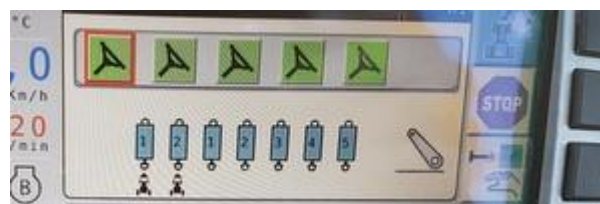
Here the H4 button from the joystick was programmed to be our autosteer resume button.

On units without the joystick, the autosteer can be programmed using the headland button. Go to the DOT matrix and change what the headland button does so it will engage the auto steer when the headland button is pushed. OR



set up a headland that has a auto-steer activation in the sequence.

The picture to the right shows the resume programmed in the headland actions.



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/>