# INSTALLATION MANUAL

# Agra-GPS Fendt-JD Bridge for Fendt-tractors



Version 1.1
Revision A
July 2018

Release Notice
This is is the July 2018 release (Revision A) of the Fendt-JD Bridge Installation Manual.

# Disclaimer

# Important Safety Information

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

- Be alert and away of surroundings.

- Do not operate the Fendt-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 Fendt-JD Bridge system is engaged.

- Determine and remain a safe working distance from other individuals. The operator is responsible for disabling the Fendt-JD Bridge system when the safe working distance has been diminished.

- Ensure the Fendt-JD Bridge is disabled prior to starting any maintenance work on the machine or parts of the Fendt-JD Bridge system.

- Follow all safety instructions from the Fendt system as well as the JD system!

- The Fendt-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 mailfunctions.

# Introduction

Congratulations on your purchase of the Fendt-JD Bridge. The Fendt-JD Bridge is designed to bridge the communication between a Fendt tractor (Profi Plus) and a John Deere display (2600 or 2630). This allows a JD display to create maps in the John Deere format and also provides straight AB-Line 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 Fendt-JD Bridge to create steering instructions for the Fendt tractor. All conditions for autosteer such as minimum speed, steering enabled etc. Must be met by the Fendt system before the autosteer engage option in the tractor can be activated.

NOTICE

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

# Installation of the Fendt JD Bridge (8xx and 9xx models)

(For 7xx models please skip the next 2 pages)

## Step 1: Mounting the Fendt-JD Bridge

The Fendt-JD Bridge is installed right of the driver seat.

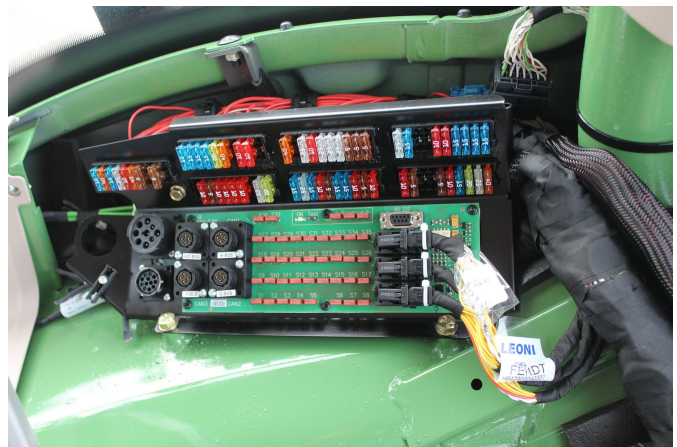Removing the plastic cover, you will find the fuse panel

To access the connector for steering, you need to remove the whole plastic cover right to the seat.



A torx 25 is used in newer machines.



Plastic cover removed.

Find the gray 4214 connector and disconnect it.
The Fendt-JD Bridge connects here, the other side
will not be used.



The ground wire (black) should be connected to
one of the fuse panel mounts.

## Step 1: Mounting the Fendt-JD Bridge (7xx models)

The Fendt-JD Bridge is installed right of the driver seat.

Removing the plastic cover from the back column first.

To access the connector for steering, you need to remove the whole plastic cover right to the seat.



Plastic cover removed.

Find the gray 4214 connector and disconnect it. The Fendt-JD Bridge connects here, the other side will not be used.



JD 2600 in a Fendt 714

## Step 2: Mounting the JD Display

The mounts for the JD display are NOT part of the Fendt-JD Bridge, but can easily be manufactured/ordered in the average shop.

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 3: Mounting the JD Receiver

The Fendt-JD Bridge does NOT include a standard JD-receiver bracket

You want to create a mount which is centered left-right and as far forward as possible on the cab roof.

## ISO Application

The Fendt bridge comes with an ISO application that will be loaded onto the John Deere monitor. The app should automatically store itself on the monitor after the first few minutes of the initial startup. On subsequent runs the app will load itself from memory as soon as possible. The Fendt app includes:

– Calibration

– Option to change work recording mode

– Option to change the machine type

– JD Direction switch

– Help page

Where to find the Fendt ISO application on the John Deere monitor:

– On a John Deere 4640 the application will be loaded in the ISOBus VT section on the main page of the display.

– On John Deere 1800, 2600, 2630 the application will be shown in the side menu of the John Deere display. The side menu is opened by clicking the button on the bottom right of the display.

If the ISO application is not loaded:

– Try clearing the monitor's memory. On 2630 monitors this can be done in the Message Center in the side menu. Go to the Cleanup tab, check controllers, then Begin Cleanup. On 4640 monitors this can be done in the info page of the ISOBus VT. Navigate to the ISOBus VT window and click the info button at the top of the page, then press Clean Up ISO Bus VT.

– Do a full restart of the machine. Remember the app may take a few minutes to load.