



# JIFFY HITCH W/PTO CONNECTOR SYSTEM INSTALLATION MANUAL



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# WELCOME

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We're excited to help you get your new Jiffy Hitch with PTO Connector System up and running.

The initial installation might seem overwhelming at first but this instruction manual will provide you with all the information you need to install your new hitch system. We will break down each step with specific instructions and tips to guide you through the installation.

We recommend that you read through this entire guide before beginning the installation of your Jiffy Hitch with PTO Connector system, paying particular attention to the "Important Information" section. If you have any questions or run into any issues with the installation, please call us at 904-786-2821 or toll-free at 1-800-786-2829 or email us at [info@jiffyhitchsystems.com](mailto:info@jiffyhitchsystems.com) so we can assist you.

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# INSTALLATION

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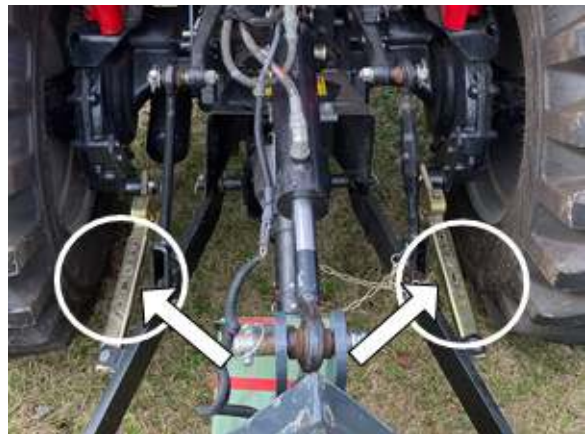
Your male hitch arrives with one of your female hitches already locked to it. These installation instructions begin assuming the female is still locked to the male, as when they arrived.



## 1. PREPARE YOUR TRACTOR

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- a. Lower the lift arms on your tractor.
- b. Remove the pins from the stabilizer bars on your tractor's lift arms.
- c. Remove the blocks from under the hitches on the pallet.



- d. Stand the hitches up and place blocks under clevis on the male hitch. Take the pins out of the clevis but leave the bushings in.



## 2. ATTACH THE TOP LINK TO THE TRACTOR

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- a. Remove your existing top link by unpinning from the tractor.
- b. Pin the non moving end of the hydraulic top link to the tractor.



- c. For self-contained hydraulic top links- make sure the reservoir is mounted higher than the top link. This will keep air from getting into the top link and causing it to not hold position.
- » For the most efficient access, it is always better to have the control valve and reservoir for the self contained hydraulic top link on the right side of the tractor.



- d. For remote hydraulic top link- plug your hoses into the remotes on your tractor.
- » It is best if your hydraulic control lever on your tractor makes your top link longer when pulled and makes it shorter when pushed.

### 3. ATTACH THE MALE HITCH TO THE TRACTOR

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- a. Back your tractor up to the hitches. Line up and pin the top link to the male hitch.



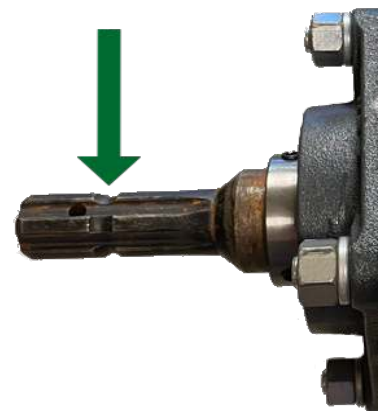
- b. Pin lift arms to the clevises on the male hitch.

## 4. MEASURE THE PTO SHAFT ON THE TRACTOR

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This will be a measurement of the PTO shaft that goes from the tractor's PTO shaft locking groove to the male hitch's PTO shaft locking groove.

- a. Start the tractor and raise the male hitch until the tractor and the male hitch PTO are level with each other.
- b. Make sure the male hitch is straight up and down, not leaning forward or backwards.
- c. Measure the shaft from the PTO locking groove on the tractor to the PTO locking groove on the male Jiffy Hitch.



- d. Send the measurement to us at [info@jiffyhitchsystems.com](mailto:info@jiffyhitchsystems.com).

\*The sooner we receive this measurement, the sooner we can ship your custom PTO shaft to you.

## 5. ATTACH THE FEMALE HITCH TO THE IMPLEMENT

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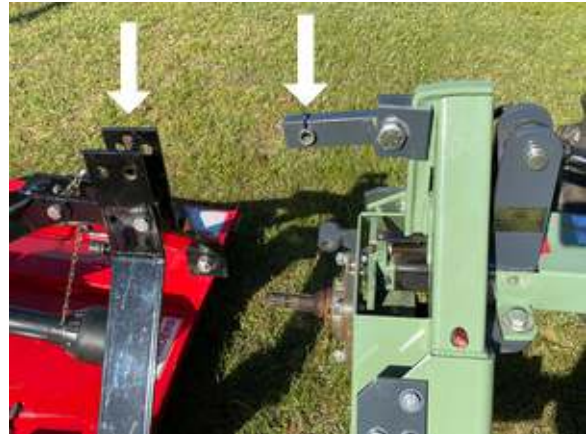
\*When installing the female hitch on the implement, It helps if all bolts are left loosely tightened until the end of the installation.

a. You will need:

» Wrench sizes: 1 ¼", 1 ½", 15/16"

» Socket sizes: 1 7/16", 15/16", and 1 5/16".

b. Back the tractor up to the implement, making sure to line up the apex of the Jiffy Hitch to the top point of the three point hitch on the implement.



c. Remove the offset bracket from one side of the female hitch. Attach it to the corresponding lift arm pin on the implement.



d. To attach the other side of the female hitch, push the female hitch over far enough to clear the end of the lift arm pin on the opposite side of the implement. Slide the bracket over the lift arm pin.

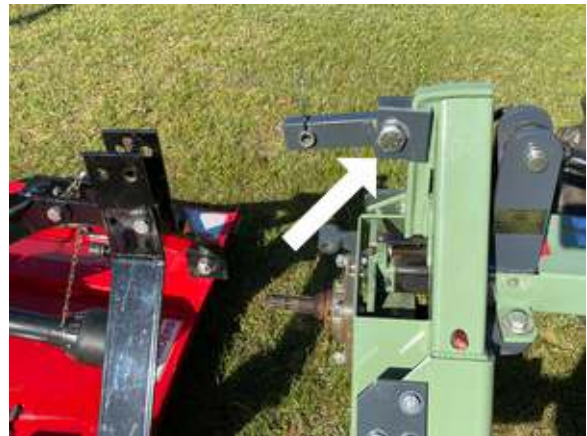


- e. Attach the offset bracket back to the female hitch, leaving bolts loosely tightened.



- f. Pin the top link bracket on the Jiffy Hitch to the top link bracket on the implement.

- » You may need to loosen the 1" bolt on the Jiffy Hitch bracket that slides on the t-bar so that the bracket lines up with the implement top link hole.



- g. Tighten all the bolts on the female hitch.



- h. Put pins back in stabilizer bars on the tractor. \*Allow for 1-1 ½” side movement on stabilizer bars.



## 6. CUT PTO SHAFTS THAT GO FROM IMPLEMENT TO FEMALE HITCH

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- a. Please watch the video below for instructions on cutting the PTO shafts that go from the gearbox on the implement to the Jiffy Hitch female.



<https://youtu.be/6VSBL8JaOf4>

- b. Make the necessary cuts to your PTO shafts and then proceed with step 7 of the installation.

## 7. ATTACH THE CUT PTO SHAFT ON THE IMPLEMENT TO THE JIFFY HITCH

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- a. After cutting the PTO shafts, attach the shafts to the gearbox on the implement and the PTO shaft on the female hitch.



## 8. INSTALL ELECTRIC WIRING AND CONTROL BOX

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When wiring, do not attach the wire to where it will touch anything that gets hot or moves. Please be mindful of this when choosing how to run the control box wiring for the Jiffy Hitch System.

Our wiring preference is to follow the tractor wiring toward the battery.



We recommend that your control box be placed on the right side of the tractor seat where you can see the rear of your tractor and operate the toggle switch.

a. Run the wiring labeled “battery” to the battery. We have included the fuse holder and fuse for the positive wire, butt connectors, and eyelets to connect the wires to the battery post. However, we recommend that the joint be soldered and covered with a heat-shrink.



b. Cut the wires to the proper length.

c. Install the fuse holder wire on positive wire and then to the positive battery post.



d. Install the ground wire to the negative battery post.



- e. Attach the control box to the tractor on the right side of the seat with bolts, velcro, or zip ties. It could also be attached to the roll bar of the tractor using zip ties.



Do not drill into your roll bar. Drilling into the roll bar will weaken the roll bar and potentially be a safety hazard.



- f. Run the other wire coming out of the control box back to the male hitch. (Remember to not attach wiring to anything that gets hot or moves.)
- g. Plug the two prong plug on wiring to the two prong plug on the male hitch.



## 9. REMOVE THE FEMALE HITCH FROM THE MALE HITCH

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- a. Move the toggle switch toward the unlock position until you hear a ratcheting sound. The locking pins should be retracted.
- b. Lower the three point hitch on the tractor and release any pressure on the top link.
  - » If the male hitch will not clear the female hitch, the connector rods will need to be lengthened to enable the tractor lift arms to lower.



## 10. ATTACH THE PTO SHAFT FROM THE MALE JIFFY HITCH TO THE TRACTOR

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\*This step will be completed once you have received the custom PTO shaft we ship to you after receiving your measurement.

- a. It is best if the hitch is in the locked position before installing the PTO from the tractor to the male jiffy hitch.
- b. Connect the ends of the PTO shaft to the tractor and the male hitch.

# IMPORTANT INFORMATION

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## **\* PLEASE READ THIS SECTION BEFORE BEGINNING INSTALLATION\***

Pay particular attention to the following important information when installing your Jiffy Hitch with PTO Connector System:

- » Do not adjust the hydraulic top link until after the implement is locked onto male Jiffy Hitch.
- » When the implement is locked onto the Jiffy Hitch male, the PTO shaft is in a longer position than when in an unlocked position. Moving the hydraulic top link to a shorter position can cause the PTO shaft to be bottomed out and can cause breakage or bending of the PTO system.
- » Make sure that the PTO is in a level position when the PTO is engaged. Having the PTO tilted up or tilted down can cause stress on PTO joints, potentially causing failure.
- » The male and female ends of the PTO shafts must be fully engaged before you turn on the PTO. If the male end of the PTO shaft on the male hitch and/or the female end of the PTO shaft on the female hitch is worn down because the male and female shafts were not fully engaged, those parts are not covered under warranty.

(Continued...)

- » When hooking up implements with the Jiffy Hitch Power Stand for PTO implements, the stand foot has to be lifted off the ground before locking the male to the female Jiffy Hitch and engaging the PTO systems. This will make sure that the Power Stand will raise up and will not drag on the ground, breaking and bending parts.
- » When unhooking implements with Jiffy Hitch Power Stand for PTO implements the stand foot has to be off the ground when unlocking the PTO system. This will allow the stand to lower into position to hold up implement.

## MAINTENANCE INFORMATION

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If it has a grease zerk, such as the pins on the male hitch, bearings, PTO shafts, etc., keep it greased.



# WARRANTY INFORMATION

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Jiffy Hitch Systems, Inc. warrants all Jiffy Hitch System products for 3 years from the date of purchase. Jiffy Hitch Systems, Inc. will replace or repair any product free of charge if damage is due to workmanship or material defect. Any damage due to misuse or neglect will not be covered under warranty and will render the warranty null and void. Please make sure you have read the Important Information and Maintenance sections of this manual as they provide vital information to protect your warranty.

## How To File A Warranty Claim:

- » Contact us during our normal business hours by phone or email and provide us the necessary information to identify the problem.
- » Pictures of the damaged part or product may be required so we are able to verify what has failed on the product.
- » We may require that the product or part be returned to us.
- » Jiffy Hitch Systems, Inc. will determine whether to repair or replace the attachment.
- » If return shipping is required, the customer will be financially responsible for returning parts or equipment.
- » Jiffy Hitch Systems, Inc. will cover shipping on replacement parts or products being sent to the customer.

If you have any questions regarding this warranty please call us at 904-786-2821, Toll-Free at 1-800-786-2829, or email [info@jiffyhitchsystems.com](mailto:info@jiffyhitchsystems.com).

# TROUBLESHOOTING

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We've listed some troubleshooting tips below. If you have any issues that aren't addressed here, please contact us by phone at 904-786-2821 or toll-free 1-800-786-2829 or by email at [info@jiffyhitchsystems.com](mailto:info@jiffyhitchsystems.com) so we can assist you.

» **PROBLEM:** Locking pins are not engaging.

- › Make sure there is nothing inside the female channel, such as debris or a wasp nest.



- › Make sure locking pins are lining up with the holes in the female channel.



(Continued...)

- › Check the pin roller chain guides are not broken or not in alignment with the roller chain.



» **PROBLEM:** Locking pins are not engaging.

- › If there is too much pressure on the top link, it can put the locking pins on a bind. Release the pressure on the top link by lowering the implement to the ground.
- › Take the weight off of three point connections by lowering the implement to the ground.



(Continued...)

- › Make sure the PTO actuator is in the unlocked position.
- › Check to see if the fuse on the actuator power source has blown.

- › If the actuator is moving in, out, or making a ratcheting sound, it has not blown.



- › If the actuator will only move in one direction, the toggle switch may be bad.
  - › If you need to replace the toggle switch, the type you need is a double pole-double throw (DPDT) momentary on-off-momentary on toggle switch.

- › Make sure the PTO shaft from the male hitch is fully released from female implement.





Congratulations! You now have your Jiffy Hitch with PTO Connector System installed and are ready to get to work.

We'd love to hear how our system is working for you once you've had time to use it. We have a form available at [www.jiffyhitchsystems.com/testimonialform](http://www.jiffyhitchsystems.com/testimonialform) if you'd like to leave a testimonial. You can also email us directly at [info@jiffyhitchsystems.com](mailto:info@jiffyhitchsystems.com) with any thoughts, questions, or concerns you have.

We hope you enjoy using your Jiffy Hitch with PTO Connector system for many years to come!