



Wolverine

SKID STEER ATTACHMENT

PRODUCT MANUAL

V2023.9.25

**PALLET FORK HYDRAULIC
ADJUSTABLE MANUAL**

Model: PFA-11-3300G



**FOR MORE INFO
SCAN HERE**



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I. Preface

This product is carefully designed and manufactured to provide you with years of reliable service. Only minimal maintenance (such as cleaning and lubrication) is required to keep it in top working condition. Be sure to follow all maintenance procedures and safety precautions in this manual, as well as any safety stickers on the product and any equipment on which accessories are mounted.

This manual is designed to help you do a better,safer job. Please read this manual carefully and familiarize yourself with its contents. Do not allow anyone to operate this equipment without reading this manual.

The illustrations and data used in this manual are current at the time of printing (according to information available to us), but we reserve the right to redesign and change attachments as necessary without notice. Prior to operation the primary responsibility for the safety of this equipment falls on the operator. Please ensure that only trained personnel who have read and understood this manual operate the equipment.

If you do not understand this manual or the features, please contact your local authorized dealer or the manufacturer for further assistance. Make this manual available to new owners and new operators for reference.

II. Security statements

Improper installation, operation or maintenance of this equipment can result in serious personal injury or even death.

Before beginning installation, operation or maintenance, operators and maintenance personnel should carefully read this manual and all manuals pertaining to this equipment and the prime mover. Follow all safety instructions in this manual and the prime mover manual.

Read and understand all safety statements before operating or using this equipment, read all warning labels and safety statements in manuals. Know and follow all regulations, local laws and other professional guidelines. Know and follow good working practices when assembling, maintaining, servicing, installing, disassembling, or operating this equipment.

Learn about the performance, size of your device before operation. Visually inspect the equipment prior to start-up and it is strictly forbidden to operate equipment in a abnormal working condition with all safety devices intact. Check all hardware to ensure tightness. Ensure that all latches, pins and connections are properly installed and secured. Remove and replace any damaged or excessively worn parts. Make sure all safety decals are in place and legible. Keep warning labels clean and replace them when they are worn or difficult to read.

III. Warning labels

Position of Warning Label :

The location of the warning labels used is shown in Figure1-1. Warning labels are identified by their part number and instructions for using the warning labels are shown in 1-2. Use this information to order replacements for lost or damaged warning labels. Be sure to read all warning label before handling accessories. They contain the information you need to understand and the safety and life span of the product.

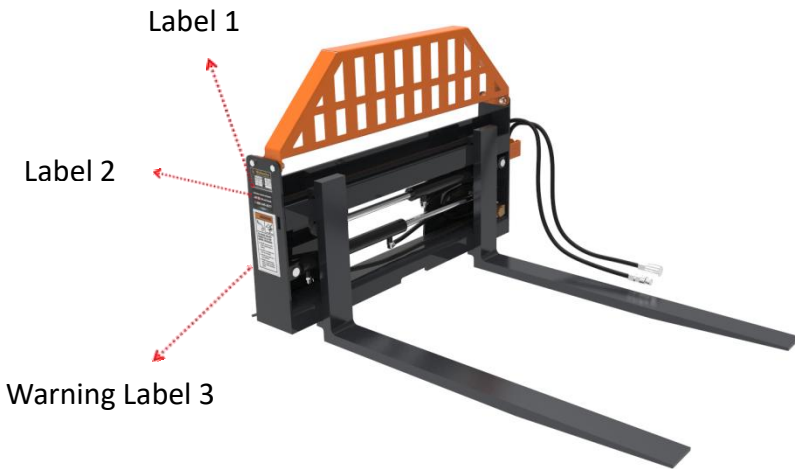




Figure 1-1

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		Wolverine	
POWERFUL ATTACHMENT TOOLS			
Model	PFA-11-3300G	Max pressure	3000 psi
Serial NO.	ZW-00001	GPM Range	12-20 gpm
Weight	510 lbs	Fork Rating	3500 lbs
Year	2023		
Email: service@usawolverine.com 			

Label 1
Name Plate

Customer service and parts

 **USA and Canada**

1-800-649-8017

Label 2
After-sales Hotline:
1-800-649-8017

WARNING

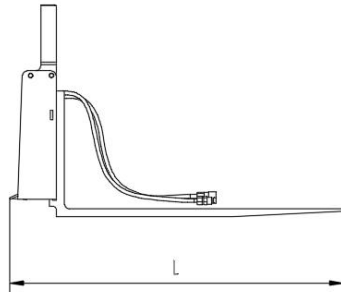
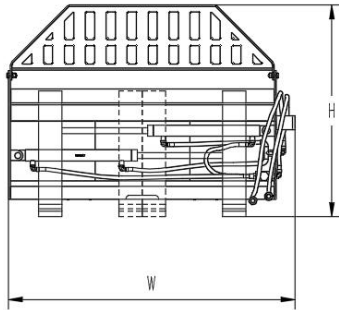


TO AVOID INJURY FROM FALLS OR BEING CRUSHED:

- 1. DO NOT stand or work under raised loader or bucket.**
- 2. DO NOT use loader as a jack for servicing.**
- 3. DO NOT use loader as a work platform.**
- 4. NEVER connect chain, cable, or rope to loader bucket while operating loader.**

Warning Label 3
To Avoid Injury From Falls Or
Being Crushed

IV. Technical Parameter



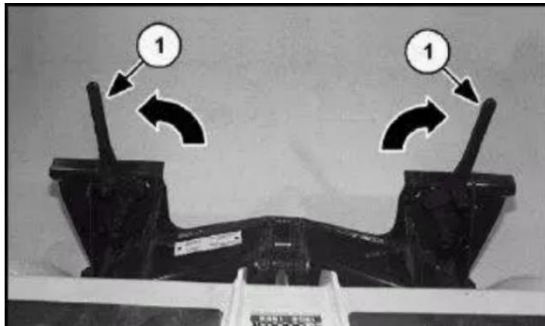
No.	Item	Parameter		Remark
	Model	72"		
		British Parameter	Metric Parameter	
1	Total Weight	510 lbs	230 Kg	
2	Working Pressure	3000 psi	21 Mpa	
3	Overall Width W	45"	1150 mm	
4	Height H	35.5"	901 mm	
5	Length L	58"	1475 mm	
6	Max. Distance Between Two Forks		1134 mm	External
7	Hydraulic Valve	Synchronous Valve		Max. Flow:40L/min, Working Pressure: 250Bar, Max. Pressure: 300Bar
8	Bearing Weight of Forks	3300 lbs	1.5 T	
9	Suitable Loader	Skid Steer Loader		

V. Installation

Please check the quick-change device and the Pallet Fork before installing the sweeper for use.

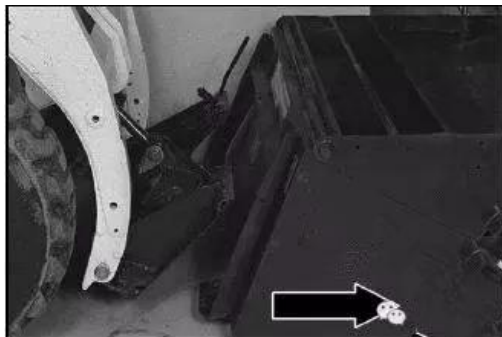
Manually controlled quick-change mechanism

Pull the lever of quick-change mechanism fully open. (as shown below)



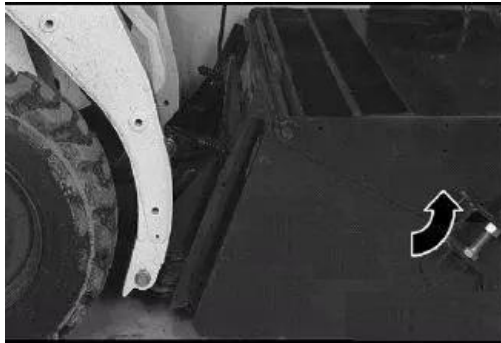
Enter the cab, fasten your seat belt, depress the safety lever and start the engine. Release the hand brake.

Tilt the quick-change device towards the front. Slowly move the machine forward so that the upper edge of the quick-change unit is fully integrated with the mounting flange of the pallet fork. (as shown below)

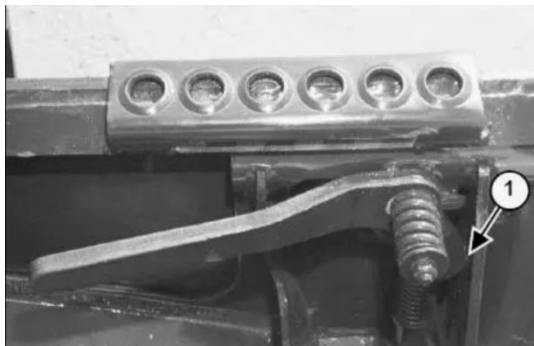


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Ensure that the lever of quick-change mechanism does not collide with the pallet fork. Retract the quick-change unit backwards until the pallet fork is completely off the ground. (as shown below)



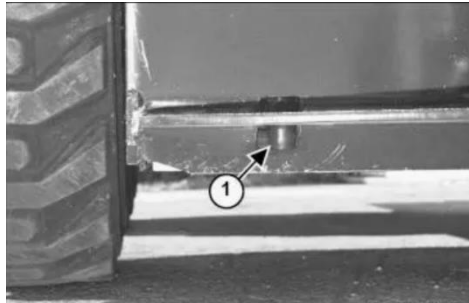
Turn the engine off and leave the cab. Depress the quick-change lever until the locking pin is fully inserted into the pin hole in the mounting bracket to be locked (Figure below).



The locking pin of the quick-change device is fully inserted into the pin hole of the mounting bracket and locked, so that the pallet fork is tightly bonded to the quick-change device.(Figure below)

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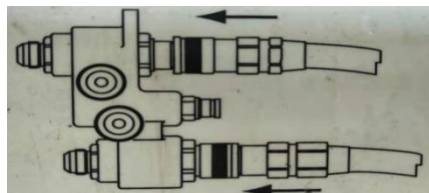
WARNING:



The locking pin of the quick-change device must be inserted into the pin hole of the attachment and the lever must be fully depressed and locked. Failure to do so will cause the pallet fork to fall off the loader, resulting in serious injury or even death.

Hydraulic Connection

Connect the high pressure hose and oil-return hose of the pallet fork to the auxiliary hydraulic plug on the skid steer loader. Push the joint toward the lock position after alignment and insertion. (as shown below).



VI. Operation

Basic operations:

1. Insert the hydraulic fork under the cargo to make it in contact with the cargo.
2. Operate the skid steer loader to raise its arm and hold the hydraulic fork to lift the cargo off the ground.
3. Move the cargo to the target position while adjusting the height and angle of the hydraulic fork so that the goods can be stably placed.

Notes:

1. Ensure that the clamping force and clamping range of the hydraulic fork are large enough to carry cargo of different sizes and weights.
2. When using the hydraulic system, comply with the operating procedures of the hydraulic system, and do not exceed the working pressure range of the system.
3. When handling the goods, ensure that the fork is firmly in contact with the goods to avoid falling or damaging the goods.
4. When moving the goods, pay attention to the center of gravity and balance of the goods to avoid tilting or rollover of the goods.
5. When operating the hydraulic fork, maintain a clear line of sight and ensure surrounding safety to avoid accidents.

VII. Maintenance

The maintenance of the hydraulic fork for skid steer loader is very important, which can extend the service life of the fork and reduce the possibility of failure. The following are some maintenance methods for the hydraulic forks:

1. Regular clean the fork: the fork will accumulate dust and dirt during use, and should be cleaned regularly to keep the fork clean and hygienic.
2. Regularly check the hydraulic system of the fork: the hydraulic system is the core component of the normal operation of the fork, and it should be regularly checked whether the oil circuit, oil pump, oil cylinder and other components are working normally.
3. Regularly check the clamping device of the pallet fork: the clamping device of the pallet fork is an important part to ensure the safety of the goods, and it should be regularly checked whether the clamping force is large enough and whether the clamping device works normally.
4. Regular replace the hydraulic oil: Hydraulic oil is an important guarantee for the normal operation of the fork, and should be replaced regularly to ensure the cleanliness and performance of the oil.
5. Pay attention to the use environment of the fork: the fork should be used in a dry and ventilated environment with suitable temperature to avoid being affected by humidity, high temperature, low temperature and other circumstances.

WARNING: Hydraulic oil/diesel fuel spilled under pressure can penetrate the skin and cause serious injury. Fluid spilling from a very small hole is

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almost invisible. Use a piece of cardboard or wood, not your hands, to look for suspicious leaks.



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