



# Owner's Manual

## MUPFN36W Compact Pallet Forks



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# TABLE OF CONTENTS

Introduction, General Information.....	3-4
Owner and Operator Safety Information .....	5-9
Specifications .....	10
Mounting & Set up.....	11-12
Maintenance.....	13
Troubleshooting.....	14
Warranty Policy .....	15

## **SKID PRO ATTACHMENTS**

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# INTRODUCTION

Congratulations on your purchase of a new Skid Pro Attachments Pallet Forks. You or any other person, who will be assembling, operating, maintaining, or working with this product are required to read and completely understand the information and instructions contained in this manual. Contact Skid Pro Attachments at **877-378-4642** with any questions about this product. Keep this manual available for reference whenever this product is being handled or used. Provide this manual to any new owners and/or operators. This manual covers model(s):

- All MUPFN36W COMPACT PALLET FORKS

## GENERAL INFORMATION

The purpose of this manual is to assist in mounting, operating, and maintaining your compact pallet forks. Read this manual carefully to obtain valuable information and instructions that will help you achieve years of safe and dependable service. The illustrations and data used in this manual were current at the time of printing, but due to possible engineering and/or production changes, this product may vary slightly in detail. Skid Pro Attachments reserves the right to redesign and/or change components as may be necessary without notification to anyone.

Throughout this manual, references may be made to:

**Power source** - The engine-driven machine to which this product is attached.

**Right, Left Front, Rear** - Directions are determined in relation to the operator of the equipment when seated in the normal operating position.

**Important** - Precautions that must be followed to prevent substandard performance.

# **GENERAL INFORMATION (Con't.)**

## **Safe Operation**

Safe, efficient, and trouble-free operation of your Pallet Forks requires that you, and anyone else who will be using or maintaining the unit, read and understand the information contained within the Owner's Manual.

- Do not lift loads that exceed the weight limitations of the attachment or skid steer. A heavy load can cause instability of the vehicle.
- The load rating is based on fully inserted forks into the load and the weight evenly distributed between the two forks. Fork length should be at least two-thirds of load length.
- Use extreme caution when moving loads up or down slopes or on uneven surfaces. A load will make the front end of the skid steer heavy and it could overturn.
- Move any load slowly and as low as possible to the ground. Keep the lifting load level at all times.
- NEVER lift a load at the ends of the forks.
- Round items such as logs or hay bales can slide sideways, putting all the weight on one fork which can bend the fork.
- Never lift a load with one fork.
- Do not use the forks for pushing, pulling, prying, or any purpose other than lifting.

## **Intended Usage**

The pallet forks are intended for moving and stacking material. Do not use the pallet forks for any purpose other than their intended use.

## **Product Improvements**

Because Skid Pro Attachments maintains an ongoing program of product improvement, we reserve the right to make improvements in design or changes in specifications without incurring any obligation to install them on units previously sold.

# Owner and Operator Safety Information

THINK SAFE, BE SAFE !



This symbol by itself or with a warning word throughout this manual is used to call your attention to instructions involving your personal safety or the safety of others. Failure to follow these instructions can result in injury or death



**DANGER** - This signal word is used where serious injury or death will result if the instructions are not followed properly.



**WARNING** - This signal word is used where serious injury or death could result if the instructions are not followed properly.



**CAUTION** - This signal word is used where minor injury could result if the instructions are not followed properly.



**NOTICE** - Notice indicates a property damage message

# SAFETY PRECAUTIONS



## **WARNING! Read Manual Prior to Installation**

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to the Power Source before beginning installation, operation, or maintenance.



## **WARNING! Read and Understand All Safety Statements**

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all O.S.H.A. regulations, local laws, and other professional guidelines for your operation. Know and follow safe work practices when assembling, maintaining, repairing, mounting, removing, or operating this product.



## **WARNING! Know Your Equipment**

Know your equipment's capabilities, controls and operations before operating. Visually inspect your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to ensure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued, or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they are hard to read.



## **WARNING! Protect Against Flying Debris**

Always wear proper safety glasses, goggles or a face shield when driving pins in or out, or when any operation causes dust, flying debris, or any other hazardous material.



## **WARNING! Lower or Support Raised Equipment**

Lower attachment to the ground before leaving operator's station. Do not work under raised booms without taking the proper action to support them, or lower booms to ground level.



## **WARNING! Use Care When Working With Hydraulic Fluid Pressure**

Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your Power Source operator's manual for detailed instructions on connecting and disconnecting hydraulic hoses or fittings.

- Keep unprotected body parts, such as face, eyes, and arms as far away as possible from a suspected leak. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.
- If injured by fluid, see a doctor at once.
- Wear safety glasses, protective clothing when searching for hydraulic leaks. **DO NOT USE YOUR HANDS!**

# **SAFETY PRECAUTIONS**



## **WARNING! DO NOT MODIFY MACHINE OR ATTACHMENTS**

Modifications may weaken the integrity of the attachment and may impair the function, safety, life, and performance of the attachment. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. Contact Skid Pro Attachments before modifications are made.



## **WARNING! SAFELY MAINTAIN AND REPAIR EQUIPMENT**

- Do not wear loose clothing, or any accessories that can catch in moving parts.
- If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use the correct tool for the job at hand. Make sure they are in good condition for the task required.
- Wear the protective equipment specified by the tool manufacturer. (i.e. safety glasses, work gloves, protective shoes, hardhat etc.).



## **WARNING! SAFELY OPERATE EQUIPMENT**

Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, and all safety requirements. See Power Source manual for these instructions.

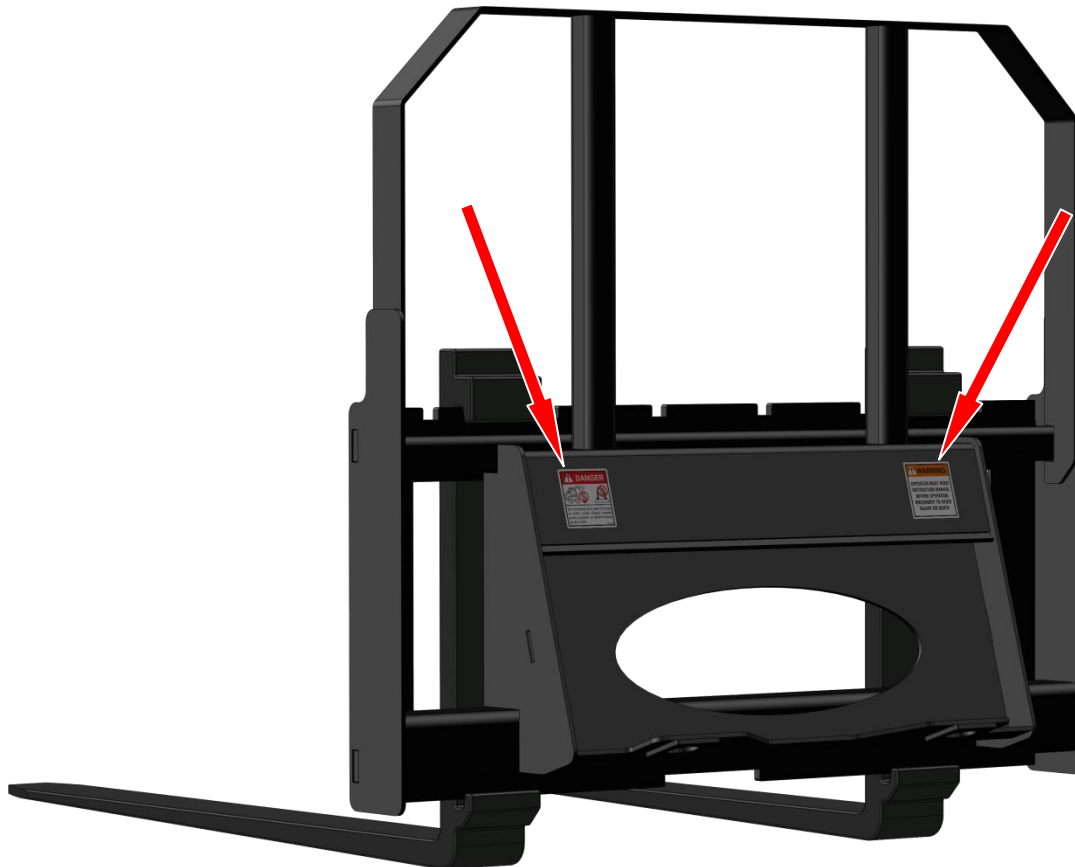
- Keep all step plates, grab bars, pedals, controls, etc. free of dirt, grease, debris, and oil.
- Never allow anyone to be around the equipment when it is operating..
- Do not allow riders on the attachment or the Power Source.
- Do not operate the equipment from anywhere other than the correct operators position.
- Never leave equipment unattended with the engine running or with attachment in a raised position.
- Do not alter or remove any safety feature from the Power Source or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.

# SAFETY DECALS AND LOCATION

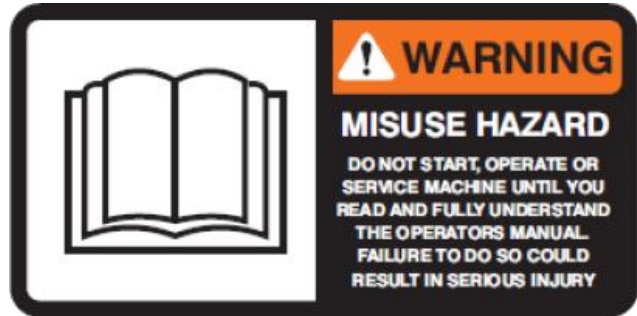
The diagram on this page shows the location of the decals. The decals are identified by their part numbers, with reductions of the actual decals located on the next page. Use this information to order replacements for lost or damaged decals. Be sure to read all decals before operating the attachment. They contain information you need to know for both safety and product longevity.

## INSTRUCTIONS

- Keep all safety decals clean and legible.
- Replace all missing or damaged safety decals.
- When replacing parts with safety decals attached, new parts must also have safety decals attached.
- Safety decals are available from Skid Pro Attachments.



# MUPFN36W - SAFETY DECALS



\*Some of these decals may not appear on your specific attachment

# POWER SOURCE SPECIFICATIONS



**IMPORTANT** - Exceeding any of the maximum recommended power source specifications can result in damage to this product and void all warranties.

## Recommended HP on Power Source

- MUPFN36W Pallet Forks are recommended for use with 20 - 50 HP Machines

To maintain required Power Source stability add Rear Counterweights.

Note: - See Power Source manuals for correct weight needed.

**DO NOT EXCEED MAXIMUM WEIGHT LIMIT.**

## MUPFN36W PALLET FORK SPECIFICATIONS

Part Code	Overall dimensions	Tine Lengths	Approx. Weight	Capacity	Tine Size
MUPFFO36W-MSS100	36" W x 35 1/4"H x 5.5"D	-	98Lbs.	2000Lbs.	-
MUPFN36W36-MSS100	36" W x 35 1/4"H x 42.5"D	36"	207Lbs.	2000Lbs.	1.125" x 3.5"
MUPFN36W42-MSS100	36" W x 35 1/4"H x 48.5"D	42"	216Lbs.	2000Lbs.	1.125" x 3.5"
MUPFFO36W-ASV30	36" W x 35 1/4"H x 5.5"D	-	137Lbs.	2000Lbs.	1.125" x 3.5"
MUPFN36W36-ASV30	36" W x 35 1/4"H x 42.5"D	36"	246Lbs.	2000Lbs.	1.125" x 3.5"
MUPFN36W42-ASV30	36" W x 35 1/4"H x 48.5"D	42"	255Lbs.	2000Lbs.	1.125" x 3.5"
MUPFFO36W-BO463	36" W x 35 1/4"H x 5.5"D	-	112Lbs.	2000Lbs.	1.125" x 3.5"
MUPFN36W36-BO463	36" W x 35 1/4"H x 42.5"D	36"	221Lbs.	2000Lbs.	1.125" x 3.5"
MUPFN36W42-BO463	36" W x 35 1/4"H x 48.5"D	42"	230Lbs.	2000Lbs.	1.125" x 3.5"

\* MSS100 = Universal Mini Skid Steer Mount Plate  
 ASV30 = ASV RC30 Skid Steer Style Mount Plate  
 BO463 = Mini Bobcat Style Skid Steer Plate

# MOUNTING & SET UP



## **WARNING! - READ MANUAL PRIOR TO INSTALLATION**

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to this equipment and the Power Source thoroughly before beginning installation, operation, or maintenance. **FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE POWER SOURCE MANUAL(S).**

1. Inspect the attachment for shipping damage. If damage does exist, do not operate until the damaged parts have been replaced or repaired.
2. Place this product on a firm, level surface that is large enough to safely accommodate this product, your prime mover and all workers involved in the mounting process.
3. Refer to the Power Source operator's manual(s) for your loader and quick-attach and follow the mounting instructions contained therein.
4. When shipped the hydraulic cylinder(s) on this product may contain air, or an air-fluid mixture. Failure to remove all the air from the hydraulic cylinder(s) can cause uneven, jerky cylinder movement when the hydraulic controls are being operated and unwanted cylinder movement when the controls are not being operated.

\*See Maintenance section for regular maintenance and Parts replacements



## **READ AND UNDERSTAND ALL SAFETY STATEMENTS**

Read all safety decals and safety statements in all manuals before beginning any setup. Know and obey all O.S.H.A. regulations, local laws, and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.

- **WARNING!** Failure to obey the following procedures could result in death or serious injury.
- Never operate this product where visibility is obstructed the operated view.
- Always operate at a safe operating speed for the surrounding conditions.

# **MOUNTING & SET UP** (CONT.)

## **Set up**

1. Complete mounting procedure as specified on previous page.
2. Make necessary or desired adjustments
3. Connect hydraulic hoses (if applicable) with quick couplers to available ports.

## **Operating Guidelines**

1. Make sure all operators have read the Owner's Manual and are familiar with the instructions and the safety rules of operation.
2. Adjust the spacing of the forks as wide as possible to increase load stability.
3. Before lifting make sure the forks are completely under the load and level. The fork length should be at least two-thirds of the load length.
4. Keep the weight of the load centered between the forks. If a load is heavy on one side, place the heaviest side closest to the skid steer.
5. Raise the forks to enter the pallet/load and keep the angle of the forks parallel with the ground.
6. Always keep the load or pallet as close to the skid steer as possible.
7. Make sure the weight of the load is centered between the forks.
8. Lift the load slightly to make sure it is stable. If the load appears unstable, lower and reposition the forks. Lift slowly and smoothly.
9. Raise the load to the minimum height required for the terrain.
10. Before moving a load, check all directions for pedestrians or other obstacles.
11. When moving a load; a. Keep the forks level. b. Accelerate and brake gradually. c. Slow down before turning and avoid any obstacles, bumps, or holes. d. If possible, travel straight up or down on grades, ramps, or inclines, and avoid turning. e. If the load is large and blocks your view, travel in reverse.
12. If the load starts to lean or move, lower it to the ground and reposition the forks.
13. Lower the load gently until the weight of the load is securely resting on the ground and the forks are free to be removed from the load.

## **Adjusting Fork Spacing**

The fork spacing is adjustable from 5.5" to 29", in 5.5" steps. To adjust the spacing:

1. Raise latch lever, and manually slide the fork to the desired position.
2. Lower the lever and make sure the pin drops into locating notch

# **MAINTENANCE**

This section covers regular maintenance. Regular maintenance is required to insure that your Pallet Forks perform as they should and stay in good operating condition. Skid Pro Attachments Compact Pallet Forks are relatively maintenance free. Maintenance would include Cleaning & regular inspection.

## **BEFORE EACH USE**

- Make sure that all other fasteners are in place and are performing their specified function.
- Make sure that all hydraulic fittings are tightened and that there are no leaks in any fittings or hoses.
- Make sure that all safety decals are in place, are clean, and are legible. (See the safety decals and location)
- Check all wear parts, replace any damaged or excessively worn parts.

## **Cleaning**

Occasionally, your compact pallet forks may get dirty. The pallet forks can be hosed off using a garden hose or power washer.



**\* Always make sure the power source is disconnected when cleaning or dislodging debris.**

## **TROUBLESHOOTING**

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
<b>Hydraulic Malfunction</b>	Low fluid level	Check/Add hydraulic fluid
	Improper hose hook-up	Check and correct line connection
	Broken or damage hydraulic line	Replace damaged line
	Cylinder leaking	Replace cylinder seals
	Fluid heating	Check for restricted fluid flow
	Cold hydraulic fluid	Allow fluid to warm up to operated temperature
<b>Not changing rotation direction</b>	<b>Damaged, disconnected wire/Line</b>	<b>Check and correct line/wire connection</b>

If you have problems not listed here please contact Skid Pro Attachments.

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# **Skid Pro Attachments** **Warranty Policy**

All equipment sold by SKID PRO ATTACHMENTS is warranted to be free from defects of material and workmanship. The company will not be liable for indirect or consequential damages. The company's liability will be limited exclusively to replacing or repairing without charge, at its factory or elsewhere, at its discretion. Any material or workmanship defects that becomes apparent within one year from the date which the equipment was purchased. The buyer by the acceptance of the equipment will assume all liability for any damages that may result from the use or misuse by his employees or others.

All claims must be reported to a SKID PRO ATTACHMENTS representative prior to any repairs or modification.

All claims are subject to a SKID PRO ATTACHMENTS representative approval.

All claims must be accompanied by pictures of the faulty product.

SKID PRO ATTACHMENTS Warranty will not cover product that has been misused or modified in an unauthorized manner.

SKID PRO ATTACHMENTS Warranty will not cover normal wear on Attachments.

## **SKID PRO ATTACHMENTS**

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