

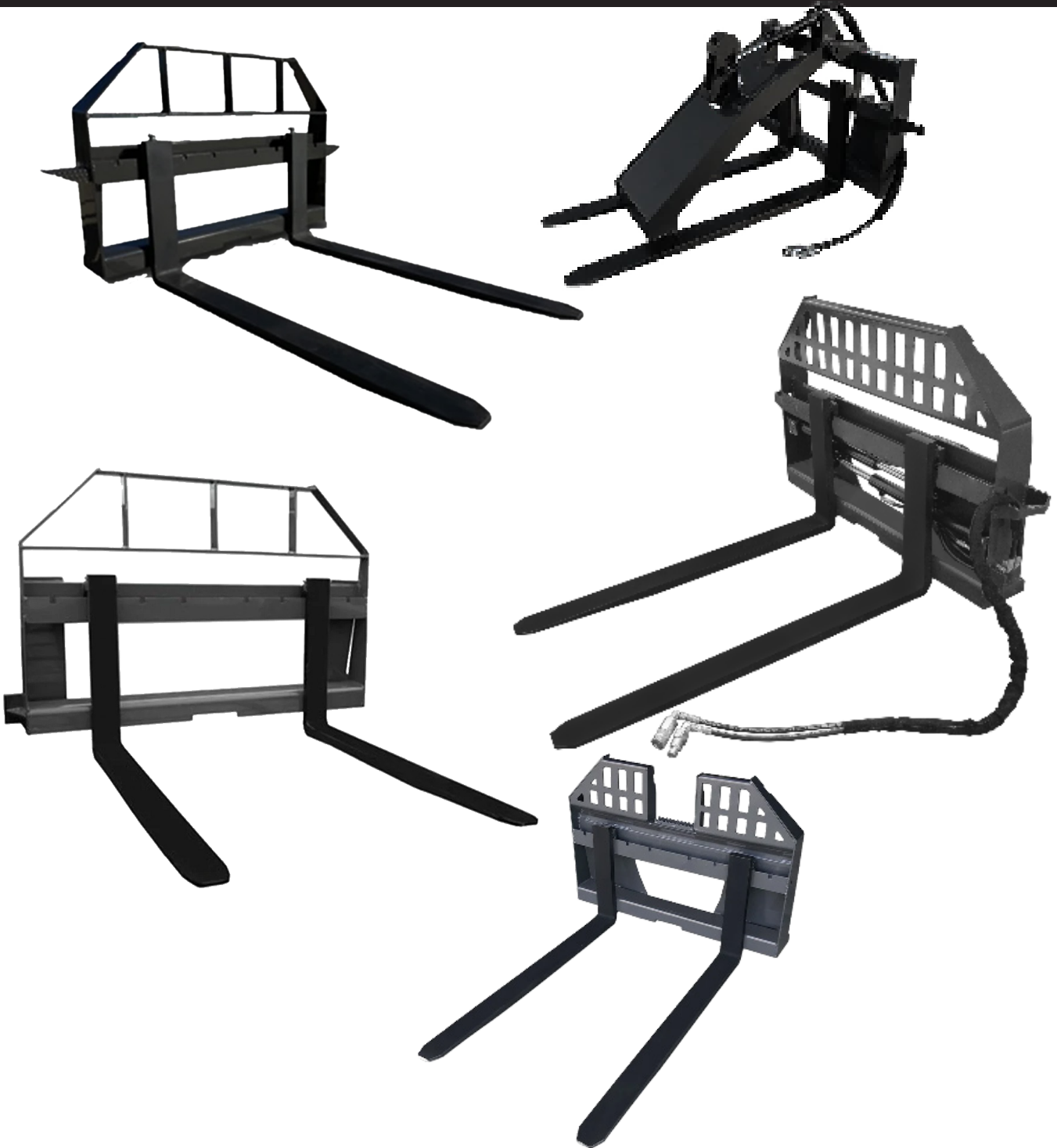


ATTACHMENTS

FORKS &

FRAMES

OWNER'S MANUAL



REGISTER YOUR PRODUCT



336-859-2002

MODEL

WEIGHT

PART

HP RANGE

SERIAL

HYDRAULIC PRESSURE

HYDRAULIC FLOW

WWW.CIDATTACHMENTS.COM

Please see the inside of the back cover for instructions of where to find your model and serial number.

WARNING

To prevent personal injury or even death, be sure you read and understand all the instructions in this manual and other related OEM equipment manuals! This attachment, if not used and maintained properly, can be dangerous to users unfamiliar with its operation. Do not allow operating, maintaining, adjusting, or cleaning of this attachment until the user has read this manual and has developed a thorough understanding of the safety precautions and functions of the unit. This attachment is designed for the purpose specified. DO NOT modify or use this attachment for any application other than that for which it was designed. Attachments maintained or operated improperly or by untrained personnel can be dangerous, exposing the user and/or bystanders to possible serious injury or death.

Purchase Date:

Dealer Name:

Address:

Phone Number:

WELCOME

Thank you for choosing CID. This attachment has been designed and manufactured to meet the needs of discerning users. We are committed to providing you with a heavy duty product that will provide years of satisfaction and safe operation.

This manual will provide instructions on how to safely operate and maintain this attachment. All users must read and understand this manual before operating this machine. Upon reading this manual, all users should sign the “Safety Acknowledgment Form” at the end of this manual.

Please record your model and dealer information on the inside front cover. You will be asked to provide this information when ordering parts or requesting service. If you need more information on this product, contact your local dealer or visit www.cidattachments.com.

Sincerely,

The CID Team



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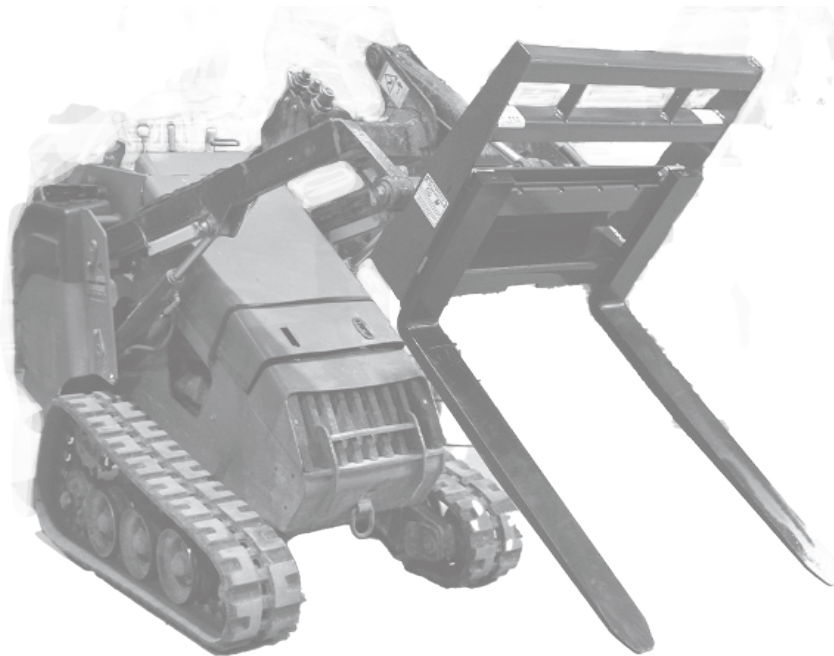
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IMPORTANT WARRANTY DISCLAIMERS

ATTENTION: If your attachment has control valves, cylinders, gearboxes, or motors and they are opened or disassembled, the **WARRANTY for that item WILL IMMEDIATELY BE VOIDED!**

HYDRAULIC FLUID STATEMENT: Check your machine's hydraulic level and add hydraulic fluid if necessary before each use. Inspect for leaks, and repair if necessary. **Always use your machine's manufacturer recommended hydraulic fluid in your machine!** Fluid must be clean and debris free. If damage occurs from debris in hydraulic fluid flowing from your machine to our attachment it will VOID the warranty on any cylinders, motors, couplers, manifolds &/or valves (relief, lock, selector, check and flow control) downline from that flow.



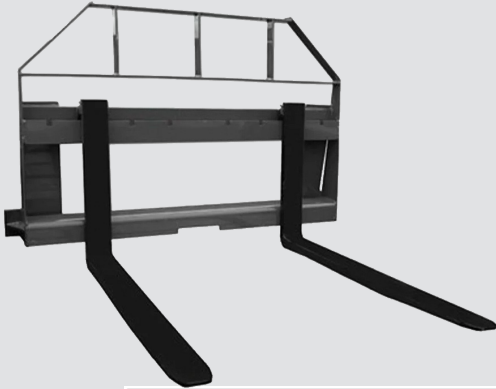
WARNING: This product can expose you to chemicals including benzene and mineral oils, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

SECTION 2

FORKS & FRAMES MODELS

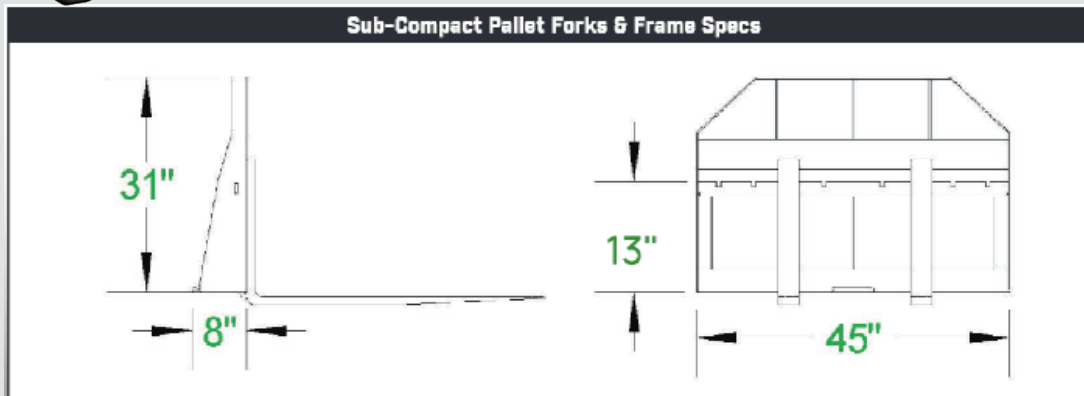
CLASS I FORKS & FRAMES

SUB-COMPACT PALLET FORKS & FRAME



The Sub-Compact Pallet Forks are ideal for machines with limited lifting capacity. Similar to our compact tractor pallet forks, but using a class 1 fork to remove additional weight, without compromising strength.

- 1,000 lb load capacity
- Heat treated, quality made forks.
- Class I Fork Tines: 36" or 42" lengths
- 3/8" formed top slide.
- Optional: Tractor hookups available.



MINI SKID STEER PALLET FORKS



The Mini Skid Steer Pallet Forks are perfect for those small jobs around the house or projects with limited space. While still carrying a load over a ton, mini pallet forks are tough, durable, and a great addition to any mini skid steer attachment collection.

- 2,800 lb load capacity
- Heat treated, quality made forks.
- Class I Fork Tines: 36" or 42" lengths
- Options: Various hookups available

WHAT DOES FORKS & FRAME CLASS MEAN?

CLASS I

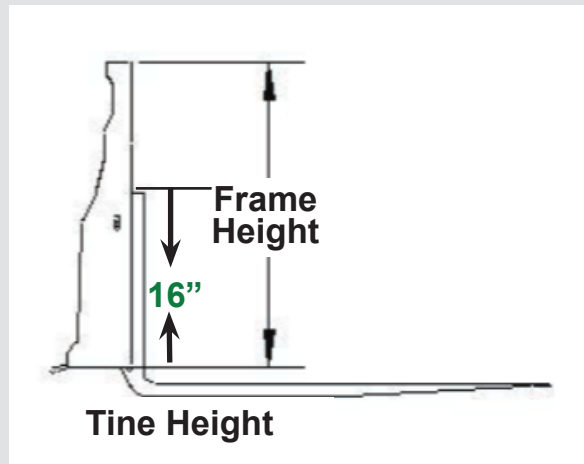
- Tine Height: 13"

CLASS II

- Tine Height 16"

CLASS III

- Tine Height 20"



CLASS II FORKS & FRAMES

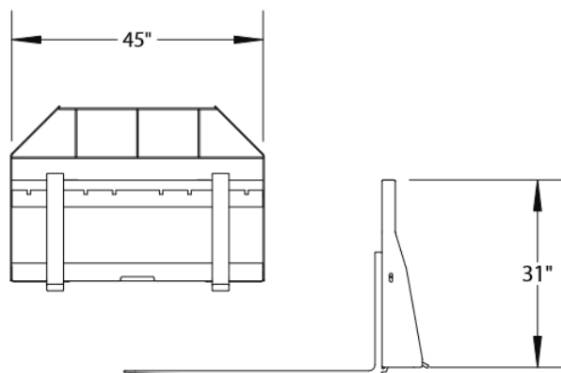
COMPACT TRACTOR PALLET FORKS & FRAME



The Compact Tractor Pallet Forks & Frame is designed specifically for compact tractors. The lightweight frame offers superior lifting capacity for up to 2,000 lbs.

- Heat treated, quality made forks.
- Standard: 2,000 lbs load capacity.
- Class II Fork Tines: 1-3/16" X 3" X 42" or 48"
- Optional: Tractor hookups available

Compact Tractor Pallet Forks & Frame Specs



2.1 CLASS II FORKS & FRAMES

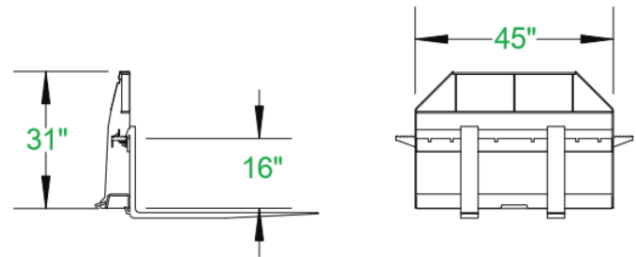
STANDARD DUTY FORKS & FRAMES



These forks are ideal for lifting pallets, loading lumber, and many other uses.

- Heat treated and quality made forks.
- Class II Fork Tines: 1-1/4" X 4" X 42" or 48"
- 3,000 lb load capacity
- Optional: Tractor hookups available.

Standard Duty Pallet Forks & Frame Specs

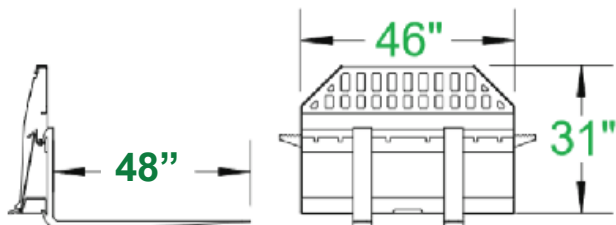


HEAVY DUTY FORKS & FRAMES

These forks come with steps on both sides of the frame to easily climb in and out of the cab.

- Heat treated quality made forks.
- Optional name in grill.
- Class II Fork Tines: 48", 60", or 72"
- Optional: Tractor hookups available

Heavy Duty Pallet Forks & Frame Specs



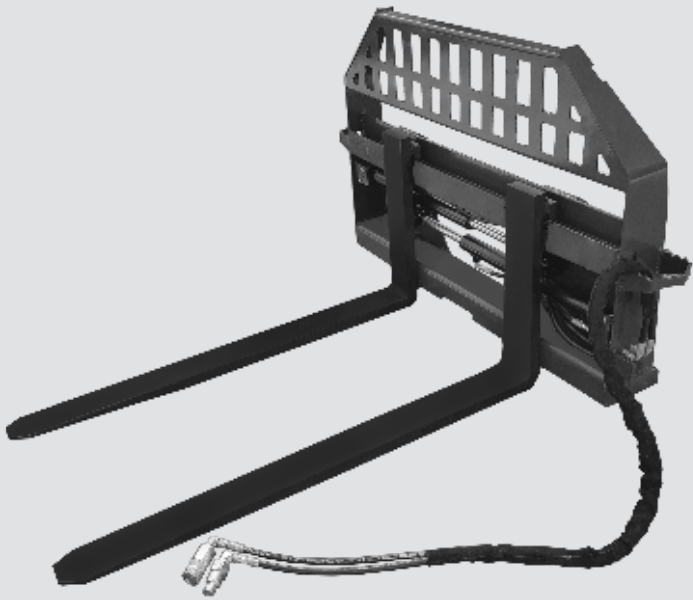
Upgrade Option: Heavier built frame with 5,500 lb. weight capacity.
Class II Fork Tines of 48", 60", 72", & 96"

DON'T OVERDO IT! CHECK YOUR WEIGHT RATING!

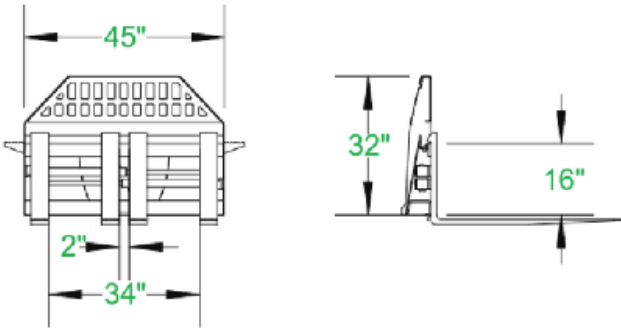
2.1 CLASS II FORKS & FRAMES

HEAVY DUTY HYDRAULIC FORKS & FRAME

- Class II Fork Tines: 48" or 60" available
- Standard: 4,000 lbs weight capacity
- (2) 1-1/2" X 16" Cylinders
- Optional: Tractor hookups available



Hydraulic Pallet Forks & Frame Specs

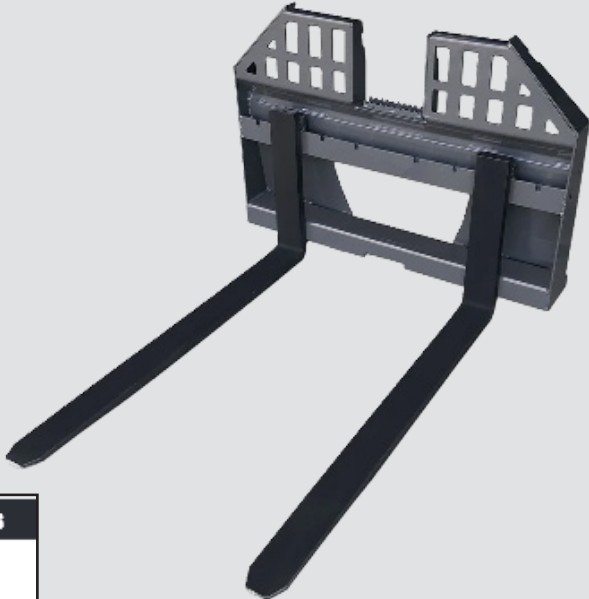


Upgrade Option: Heavier built frame with 5,500 lb. weight capacity. Class II Fork Tines of 48", 60", 72", & 96"

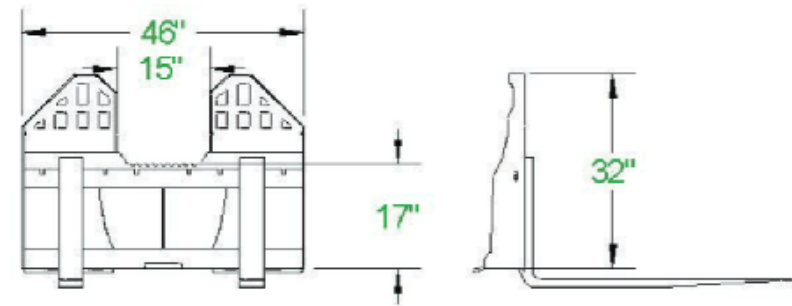
HEAVY DUTY WALK THROUGH FORKS & FRAME

The walk-through frame is a convenient feature that provides safer and easier access to climb in and out of your machine.

- Heat treated quality made forks.
- Standard: 4,000 lbs weight capacity.
- Class II Fork Tines: 48", 60", or 72"
- Optional: Tractor hookups available.
- Optional: Hydraulic fork tines (See HD Forks & Frame spec above.)



Heavy Duty Walk Through Pallet Forks & Frame Specs



Upgrade Option: Heavier built frame with 5,500 lb. weight capacity. Class II Fork Tines of 48", 60", 72", & 96"

2.2 CLASS II & III FORKS & FRAMES

FORK GRAPPLE, CLASS II



The fork grapple is ideal for use on the farm, in logging, and by general contractors. The top tine is adjustable for small or large loads and the hydraulic cylinder gives clamping force.

- Heat treated quality made forks.
- Adjustable top tine.
- 2" X 10" Cylinder
- Class II Fork Tines: 4" X 48" or 60"
- Standard: 4,000 lbs weight capacity
- Optional: Tractor hookups available

Upgrade Option: Heavier built frame with 5,500 lb. weight capacity. Class II Fork Tines of 48", 60", 72", & 96"

CLASS III FORKS & FRAMES

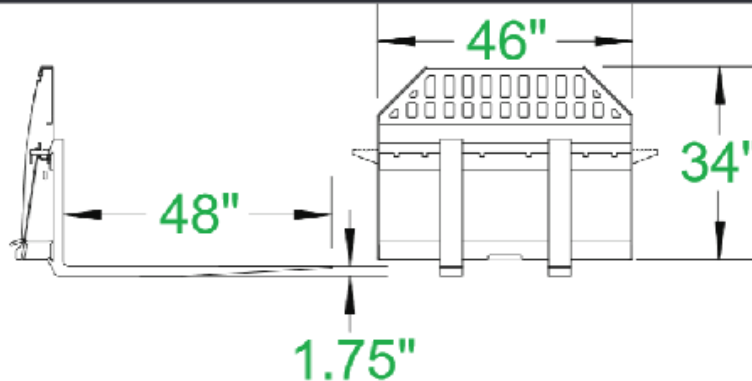
X-TREME DUTY PALLET FORKS & FRAME



These forks are designed for the highest capacity compact track loaders in the market. They are perfect for moving the heaviest loads without worrying about damaging the frame or the tines and the higher back supports taller loads.

- Heat treated and quality made.
- Class III Fork Tines: 1-3/4" X 5" X 48", 60", 72", or 96"
- Rated for up to 8,500 lbs.
- Optional: Tractor hookups available
- Optional: Hydraulic

X-treme Pallet Forks & Frame Specs



2.2 CLASS III FORKS & FRAMES

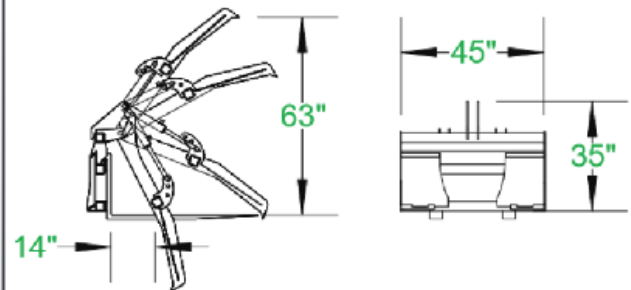
X-TREME FORK GRAPPLE



The x-treme fork grapple is ideal for use on the farm, in logging, and by general contractors. The top tine is adjustable for small or large loads and the hydraulic cylinder gives clamping force. The fork tines are heat treated from the tip to the heel.

- Durable heat treated tines.
- 2" X 10" Cylinder
- Class III Fork Tines: 48", 60", 72", or 96"
- Rated for up to 8,500 lbs.
- Optional: Tractor hookups available

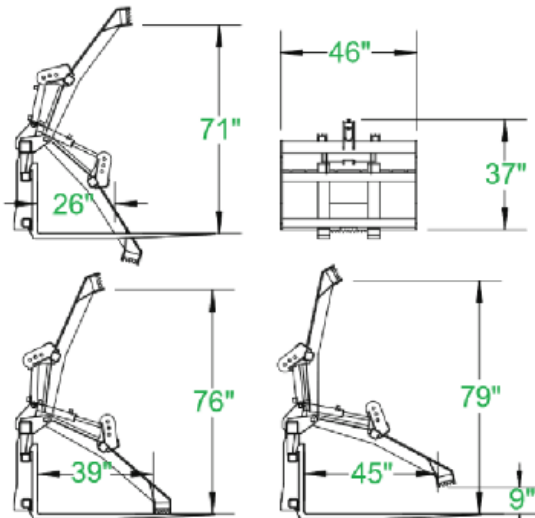
X-treme Fork Grapple Specs



X-TREME MAT GRAPPLE

This grapple is designed to pick up and move equipment mats. It is also used to transport logs, poles and many other items. This is built in a Class III carriage with a lifting capacity up to 8,500 lbs.

X-treme Mat Grapple Specs



- Heat treated and quality made.
- 2" X 10" Cylinder
- Designed specifically to lift equipment mats.
- Teeth on grapple to grip the mats.
- Standard: Class III Fork Tines 60"
- Class III Fork Tines: 5" X 60", 72" or 96"

2.3 FORKS & FRAMES SPECIFICATIONS

CLASS I FORKS and FRAMES

*For shipping weights and pricing please refer to the pricing page.

MODEL	DESCRIPTION	CAPACITY (LBS)	TIME WIDTH (in)	WIDTH (in)	AVAILABLE Time Length (in)	AVAILABLE MOUNTS
DPFRAME	MINI SKID STEER UNIVERSAL	2800	4	30.5	36, 42	MINI UNIVERSAL (TORO DINGO)
MTFRAME	MT50	2800	4	36.5	36, 42	BOBCAT MT50
SCFRAME	SUBCOMPACT TRACTOR	1000	3	45	36, 42	DEERE, UNIVERSAL

CLASS II FORKS and FRAMES

*For shipping weights and pricing please refer to the pricing page.

MODEL	DESCRIPTION	CAPACITY (LBS)	TIME WIDTH (in)	WIDTH (in)	AVAILABLE Time Length (in)	AVAILABLE MOUNTS
CTFRAME	COMPACT TRACTOR	2000	3	45	42, 48	DEERE, UNIVERSAL, YANMAR, KUBOTA
SDFRAME	STANDARD DUTY	3000	4	45	42, 48	DEERE, UNIVERSAL, EURO
HDFRAME	HEAVY DUTY	4000	4	46	48, 60	DEERE, UNIVERSAL, EURO
HDFF-5500	HEAVY DUTY, 5500 LB	5500	4	46	48, 60, 72	DEERE, UNIVERSAL, EURO
HH-DFF	HYDRAULIC HD	4000	4	45	48	DEERE, UNIVERSAL, EURO
HH-DFF-5500	HYDRAULIC HD, 5500 LB	5500	4	45	48, 60, 72	DEERE, UNIVERSAL, EURO, BUSHHOG
WTFRAME	WALK-THRU	4000	4	46	48, 60	DEERE, UNIVERSAL, EURO
WTFF-5500	WALK-THRU, 5500 LB	5500	4	46	48, 60, 72	DEERE, UNIVERSAL, EURO
WTHH-DFF	WALK-THRU HYDRAULIC HD	4000	4	46	48, 60	DEERE, UNIVERSAL, EURO
HWTF-5500	HYDRAULIC WALK-THRU, 5500	5500	4	46	48, 60, 72	DEERE, UNIVERSAL, EURO
JD87HDFF-5500	JD 800-700 5500	5500	4	55	48, 60, 72	DEERE
FG	FORK GRAPPLE, CLASS II	4000	4	45	48, 60	DEERE, UNIVERSAL, EURO
FG5500	FORK GRAPPLE, CLASS II 5500	5500	4	45	48, 60, 72	DEERE, UNIVERSAL, EURO

CLASS III FORKS and FRAMES

*For shipping weights and pricing please refer to the pricing page.

MODEL	DESCRIPTION	CAPACITY (LBS)	TIME WIDTH (in)	WIDTH (in)	AVAILABLE Time Length (in)	AVAILABLE MOUNTS
XDFRAME	X-TREME DUTY	8500	5	46	48, 60, 72, 84	DEERE, UNIVERSAL, EURO, TELE, VERSA, JCB
HXDFF	HYDRAULIC XD	8500	5	46	48, 60, 72, 84	DEERE, UNIVERSAL, EURO, TELE, VERSA, JCB
C3IFG	FORK GRAPPLE	8500	5	45	48, 60, 72, 84	DEERE, UNIVERSAL, EURO, TELE, VERSA, JCB
C3IMG	X-TREME MAT GRAPPLE	8500	5	46	60, 72, 86	DEERE, UNIVERSAL, EURO, TELE, VERSA, JCB


SECTION 3

SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Forks and Frames	implement, attachment, product, fork, frame
Machine	skid steer loader, tractor, loader, prime mover, host machine, skid steer
Operator	user, personnel

This **Attachment** is designed and manufactured with safety in mind. However, improper use and operator error can result in death or serious injury. It is important that you read and fully understand the safety instructions and operating procedures presented in this manual before operating this attachment. Accident prevention is a combination of good judgment, common sense, awareness and proper training!

 **BEFORE YOU OPERATE THIS ATTACHMENT:**

KNOW how to safely operate your machine.

READ and UNDERSTAND the safety instructions and operating procedures contained in this manual.

ACKNOWLEDGE your understanding of all safety instructions presented in this manual by signing the “Safety Acknowledgment Form” at the end of this manual.

Although every effort has been made to ensure a safe product, every possible circumstance that could pose a potential hazard cannot be anticipated. The warnings presented in this manual and on this product, are therefore not all-inclusive.

In addition to the safety messages presented in this section, you must also read and understand the safety messages presented in the other sections of this manual.

3.1 SAFETY SYMBOLS

This manual and the decals on this attachment use safety symbols, hazard labels, pictograms and color coded signal words to alert you to potential hazards that may cause severe injury or death if a safety instruction is ignored.



SAFETY ALERT SYMBOL - This symbol is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

HAZARD CLASSIFICATIONS

Hazards are identified by the “Safety Alert Symbol” and followed by the signal word “DANGER”, “WARNING”, or “CAUTION”.

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
This signal word is limited to the most extreme situations.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE




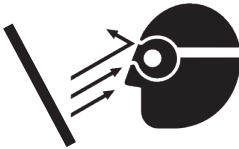



Indicates a situation which may cause damage to equipment or property.
Messages are not related to personal injury.

Safety Instructions

Indicates specific safety-related instructions or procedures.

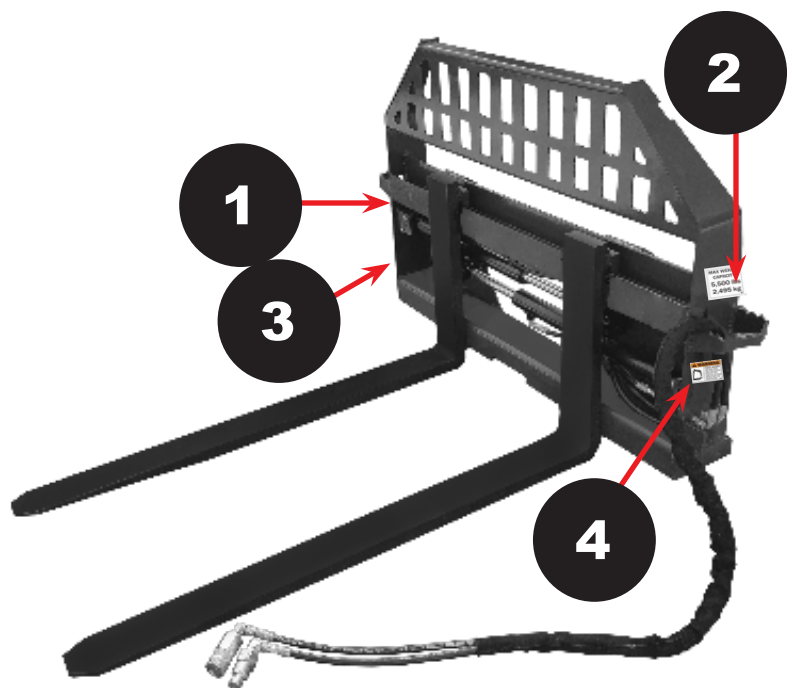
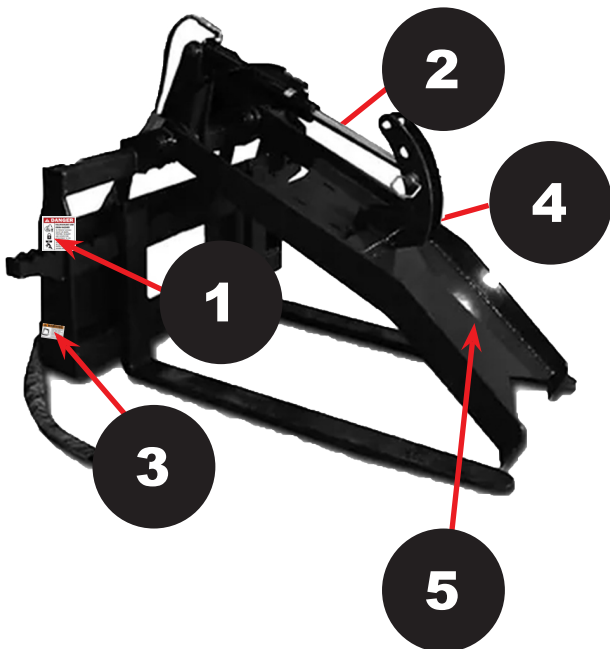
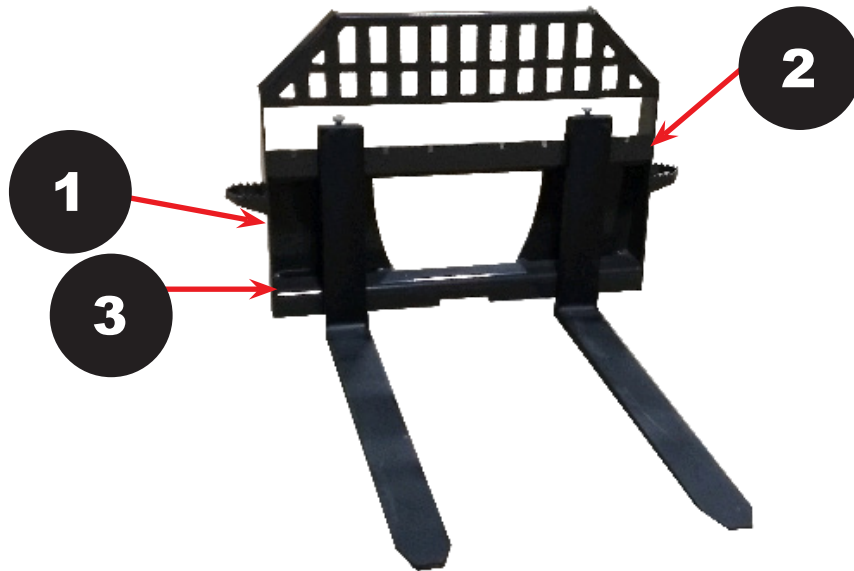
3.1 SAFETY SYMBOLS

Pictograms are graphic symbols meant to alert you of a potential hazard. Read and understand the hazard description for each of these symbols.

Pictogram	Description
	PINCH HAZARD: Keep clear of machine and attachment to prevent death or serious injury from pinching of moving parts.
	FLYING DEBRIS HAZARD: ONLY operate this attachment using a machine that has a shatter proof cab to prevent death or serious injury from objects being thrown.
	OPERATING MANUAL: Operators must read and understand the safety instructions in the operating manual to prevent death or serious injury.
	EYE PROTECTION & CARDBOARD: Operators and Maintenance personnel must wear proper eye protection and use cardboard or wood to investigate hydraulic leaks to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	HIGH PRESSURE FLUID INJECTION HAZARD: Operators and Maintenance personnel must not place fingers or hands directly over a hydraulic leak to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	NO BYSTANDERS: DO NOT operate this attachment near bystanders. Bystanders must stay back at least 30 feet from the machine to prevent death or injury from objects being thrown.
	CRUSH HAZARD: DO NOT place any part of the body under the attachment or machine to prevent death or serious injury from being crushed .

3.2 SAFETY DECALS

Safety warning decals are located on this machine near immediate areas of potential hazards. Operators must learn the meaning of each decal and know where to find the decal on the machine.









3.2 SAFETY DECALS

The safety decals affixed to this machine are to keep you safe. DO NOT ignore these decals.

Read and understand each decal's safety message. Follow these Safety Decal Instructions:

**WHEN ORDERING, CHOOSE THE PROPER DECAL FOR YOUR MODEL*

REF	DESCRIPTION	LABEL	QTY	
1	DANGER-FALLING OBJECT/ CRUSHING HAZARD	 DANGER FALLING OBJECT AND CRUSH HAZARD! TO PREVENT SERIOUS INJURY OR DEATH, PROPERLY CONNECT AND SECURE THIS ATTACHMENT TO THE PRIME MOVER PER OEM INSTRUCTIONS. DO NOT PLACE BODY PARTS UNDER RAISED LOADER ARMS. 05	1	
2	MAX WEIGHT CAPACITY (Various Weights. Check your decals)	 MAX WEIGHT CAPACITY: 1,000 lbs 454 kg 77	 MAX WEIGHT CAPACITY: 8,500 lbs 3,856 kg 81	2
3	WARNING: PINCH HAZARD	 WARNING PINCH POINT & CRUSH HAZARD! BODY PARTS CAN BE PINCHED OR CRUSHED BETWEEN FORK TINES AND FORK FRAME WHILE ADJUSTING FORK TINES! 86	1	
4	WARNING: HYDRAULIC PRESSURE	 WARNING HIGH-PRESSURE FLUID HAZARD To prevent serious injury or death: • Relieve pressure on hydraulic system before servicing or disconnecting hoses. • Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands. • Keep all components in good repair. • Grease all fittings daily. 51	1	
5	WARNING: GRAPPLE PINCH HAZARD	 WARNING PINCH HAZARD! KEEP BODY PARTS AWAY FROM GRAPPLE ARMS AND TINES. GRAPPLES CAN CAUSE SERIOUS PINCH AND CRUSH INJURIES. 30A	1	

CONTACT YOUR LOCAL DEALER TO ORDER REPLACEMENT DECALS

3.2 SAFETY DECALS CONT.

⚠️ Decals must be kept clean and legible at all times.

⚠️ Operators must inspect the attachment for safety decals.

⚠️ Replace missing, worn or damaged decals immediately.

⚠️ When using a hot pressure washer to

clean this attachment make sure water jet is not too close to the decal as this may cause the decal to peel.

⚠️ When replacing parts, be sure safety decals are in place prior to using the attachment.

⚠️ Make sure metal surface is dry and free of dirt and grease before affixing decals to this attachment.

3.3 SKID STEER LOADER REQUIREMENTS



Tracked

VS.



Wheeled

A Tracked Skid Steer or Compact Track Loader (CTL) will provide superior stability in this application.

⚠️ CAUTION

Make sure your machine is in good operating condition. Follow the operating instructions found in the operator's manual. Failure to do so could result in minor or serious injury.

Forks and Frames should only be used on machines that meet the rated operating and lift capacity.

3.4 PERSONAL PROTECTIVE EQUIPMENT (PPE)

All operators should wear hearing protection, safety glasses, hand protection and dust mask while operating this attachment.



3.5 GENERAL SAFETY INSTRUCTIONS



MAKE SURE YOU FOLLOW THE GENERAL SAFETY INSTRUCTIONS THAT RELATE TO THE OVERALL OPERATION AND MAINTENANCE OF THIS ATTACHMENT. IT IS IMPORTANT THAT YOU READ AND UNDERSTAND EACH OF THESE MESSAGES TO PREVENT SERIOUS INJURY OR DEATH.

- ! NEVER** use drugs or alcoholic beverages while operating or servicing this attachment.
- ! ALWAYS** operate this attachment during daylight or well-lit areas.
- ! We recommend** using a high strength clear protective door panel when using with this attachment.
- ! To prevent** the machine and attachment from rolling forward, stop the engine and set the parking brake when exiting the machine.
- ! Inspect** attachment for loose or missing hardware prior to using this machine.
- ! ALWAYS** watch for overhead power lines.
- ! DO NOT** place any part of your body under this attachment.
- ! NEVER** operate this attachment when bystanders are within 30 feet of your work area. Falling debris could cause serious injury or death.
- ! NEVER** position your body or limbs under an unsupported attachment.
- ! DO NOT** allow this attachment to contact buildings, utilities, large rocks or tree stumps or you may lose control of the machine.
- ! DO NOT** allow children to play on or around this attachment at any time. Store this attachment in an area not frequented by children.
- ! ALWAYS** wear the proper personal protection equipment while operating or servicing this attachment. **NEVER** operate or service this attachment with bare feet, sandals, or other light footwear.
- ! ALWAYS** wear work gloves when handling this attachment to protect your hands.
- ! ALWAYS** use eye protection while operating or servicing this attachment.
- ! DO NOT** operate this attachment during lightning or severe weather conditions.
- ! DO NOT** allow riders on the machine or on this attachment.
- ! ALWAYS** call 811, the “Digger’s Hotline” before digging to identify underground utilities to avoid an accident that could result in Death or Serious Injury to the operator.
- ! DO NOT** speed! Speed Kills! Keep your driving speed between 2 and 5 mph.

3.6 FEDERAL LAWS & REGULATIONS

IMPORTANT FEDERAL LAWS AND REGULATIONS CONCERNING EMPLOYERS, EMPLOYEES, AND OPERATORS

This section is intended to explain in broad terms the concept and effect of the following federal laws and regulations. It is not intended as a legal interpretation of the laws and should not be considered as such.

U.S. PUBLIC LAW 91-596 (The Williams-Steiger Occupational Safety and Health Act of 1970) OSHA

This Act Seeks:

“ ... to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources...”

Sec. 5(a) Each Employer –

DUTIES

(1) shall furnish to each of its employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to its employees.

(2) shall comply with occupational safety and health standards promulgated under this Act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his or her own actions and conduct.

OSHA Regulations

Current OSHA regulations state in part: “At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved.” These will include (but are not limited to) instructions to:

Keep all guards in place when the machine is in operation;

Permit no riders on equipment;

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning, or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain equipment.

Make sure no one is within 300 feet of machinery before starting the engine, engaging power, or operating the machine.

EMPLOYEE MACHINE OPERATING INSTRUCTIONS:

1. Securely fasten your seat belt if the machine has a ROPS.
2. Where possible, avoid operating the machine near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the machine smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by machine manufacturers.
9. When machine is stopped, set brakes securely and use park lock if available.

Child Labor Under 16 Years Old

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin # 102).

SECTION 4

OPERATING PROCEDURES

Your attachment may arrive from the factory strapped to a wood pallet and requires no final assembly. Use a steel band cutting tool to remove the steel straps.

CAUTION

Shipping straps are under great tension, and could lash out uncontrollably when cut causing injuries to your body or bystanders. Keep bystanders away and wear safety glasses and gloves while removing the steel straps.

4.1 PRE-OPERATING CHECKLIST

Pre-Operating Checklist	
<input type="checkbox"/>	Frame is securely attached to the machine and pins are locked.
<input type="checkbox"/>	Hydraulic hoses are connected and locked to the host machine's hydraulic couplers with no signs of hydraulic fluid leaks present.
<input type="checkbox"/>	Fork and Frame is in working condition and all bolts and nuts are tight.
<input type="checkbox"/>	Safety labels are present and legible.
<input type="checkbox"/>	No material, ropes, wire, etc. is obstructing the machine or attachment and forks are not bent or cracked.
<input type="checkbox"/>	The area of operation is clear of bystanders and any obstacles that could damage the equipment or injury to the operator.
<input type="checkbox"/>	The operator is of good health and not under the influence of any mind altering substances or alcohol.
<input type="checkbox"/>	Check the machine's hydraulic fluid level and add manufacturer recommended fluid if necessary. <i>Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.</i>

4.2 HOW TO CONNECT ATTACHMENT

GENERAL ATTACHMENT METHOD

Refer to your machine's manual for specific instructions on how to connect and disconnect your attachment. See figure 4.2c.

This attachment method refers specifically to skid steers. For all other attachment instructions, refer to the Original Equipment Manufacturer (OEM) for instructions.

1. Make sure the hydraulic lines (if applicable) are clear from the front side of the attachment plate and that the locking pins on the skid steer quick attach mechanism are in the unlocked position.
2. Drive the skid steer to the attachment plate and tilt the skid steer coupler forward and hook the top edge of the skid steer quick attach mechanism under the lip of the attachment plate. See figure 4.2a below.
3. Slowly raise and tilt back the skid steer mounting plate, moving upward until the attachment plate is flat against the skid steer quick attach mechanism. See figure 4.2a below.

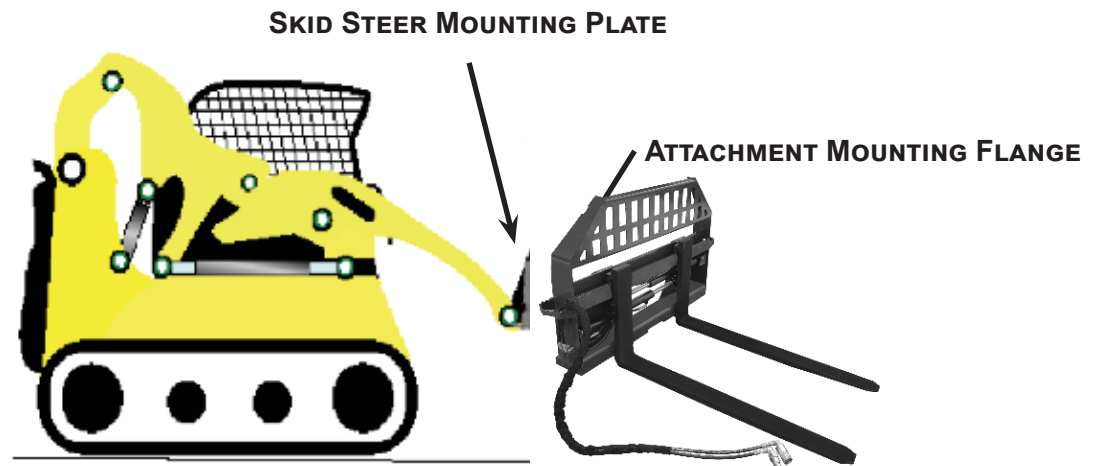


FIGURE 4.2A - SKID STEER MOUNTING PLATE TO ATTACHMENT MOUNTING FLANGE

4. Activate your skid steer's lever lock switch to engage and lock the pins into the flange slots of the attachment plate. If your skid steer does not have this switch, push the latch handles down until you can see the lock pins extend into the attachment flange as shown in Figure 4.2b below.

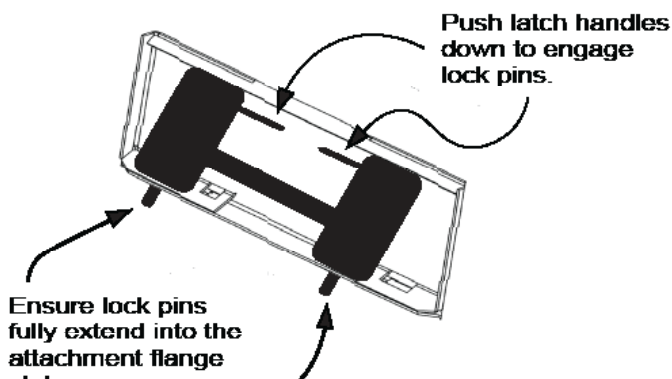


FIGURE 4.2B QUICK ATTACH COUPLER LOCKED TO ATTACHMENT PLATE

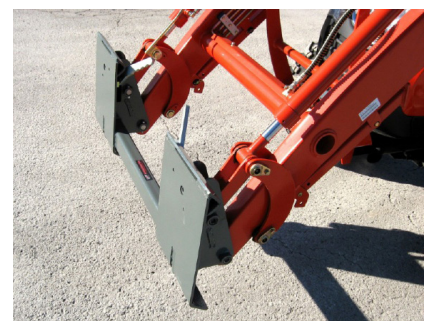


FIGURE 4.2C TRACTOR PIN ON HOOKUP

4.2 HOW TO CONNECT ATTACHMENT CONT.

! WARNING

To avoid serious injury or death, ensure coupler pins fully extend through the slots on the attachment bracket and that levers are down in the locked position to prevent attachment from detaching from machine.

NOTICE

To keep contaminants from entering the hydraulic system, use a clean cloth to wipe away dirt and grease from the hydraulic couplers and cover with plastic or metal caps when not in use.

5. When applicable, connect the attachment hydraulic hoses to the auxiliary supply couplers located on your skid steer loader lift arm.

NOTICE

Check that hydraulic hoses are locked into the machine's couplers with the preferred output auxiliary port corresponding to the correct input line on the attachment before use.

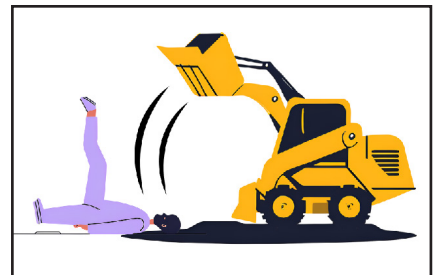
Check the hose routing through the full range of intended motion before operating attachment. It is the responsibility of the owner/operator to make sure the hoses are routed correctly and are not pinched.

! CAUTION

ALWAYS visually inspect and verify that the coupler lock pins are fully engaged through the latch slots on the attachment plate.

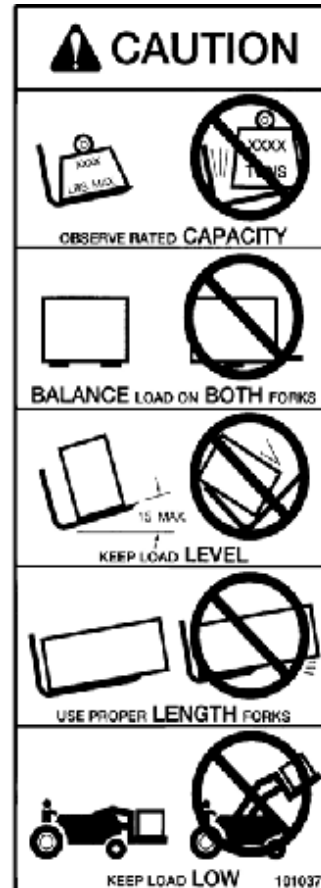
! DANGER

NEVER enter the area underneath the coupler or any part of the attachment when it is in the raised position to avoid an accident that will result in Death or Serious Injury!



4.3 SAFETY TIPS

1. Fork length should be a minimum of two-thirds of the load length for most applications.
2. KEEP the weight of the load centered between the forks.
3. Loads that are heavy on one side should be closest to the skid loader.
4. ALWAYS accelerate slowly and brake gently.
5. AVOID turning suddenly or on inclines or ramps.
6. DO NOT handle loads that exceed the weight limitations of the loader and/or forks.
7. KEEP load centered and balanced to prevent tipping or a roll-over accident.
8. The load rating of pallet forks are figured with the load 24" in front of the fork lift frame and evenly distributed between the two fork tines.
9. NEVER lift a load at the ends of the forks.
10. Use EXTREME CAUTION when lifting round items such as logs, pipes or round hay bales, as it could cause the load to become unbalanced or shift the center of gravity suddenly forward, causing your machine to tip or load to roll off the forks. This could cause damage to your forks and frames and/or cause injury or death.
11. NEVER lift a load with one fork or use it to pry as fork damage may occur.
12. Never push objects with the forks as damage may occur.



4.4 PREPPING FOR FIRST TIME USE WITH HYDRAULICS

HYDRAULIC FLOW

When operating the attachment, always use your machine's standard auxiliary flow. Never use high flow as damage will occur to the cylinders, possibly causing contamination! If you are unsure of the machine's flow rate, contact the machine dealer.

Verify that hydraulic hoses are securely locked to the machine hydraulic couplers before starting to use this attachment.

NOTICE

When applicable, ALWAYS release the hydraulic system pressure from the hydraulic circuits prior to removing the attachment or any hydraulic service work.

4.4 PREPPING FOR FIRST TIME USE WITH HYDRAULICS CONT.



Please refer to our “Hydraulic Fluid and Oil Statement” on Page 5
for gear oil or hydraulic fluid instructions.



NOTICE

Before operating the attachment, check the hydraulic fluid in the machine & add fluid if necessary.

1. After starting machine, lift attachment ten (10) inches off the ground surface:
2. Set machine engine RPM to just above idle.
3. Slowly engage the auxiliary hydraulic flow to the attachment until the function operates.
4. Reverse the direction of the hydraulics until the function has been placed in the opposite direction. Repeat this two (2) more times to purge any air from the system.
5. Lower the attachment to the ground, shut off machine engine and exit the operator’s cab.
6. Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.
7. Inspect the hydraulic hoses and fittings for noticeable leaks. Fix before continuing.

WARNING

To avoid serious injury by hydraulic fluid injection into your skin, never use your hand or other body parts to locate a hydraulic leak. Detect leaks with a piece of wood or cardboard.

4.5 LEARNING YOUR ATTACHMENT

DANGER

NEVER operate the attachment when bystanders are within thirty (30) feet of your work area.

CAUTION

USE CAUTION when operating on un-level ground surfaces. A machine roll over could result in Minor or Serious Injury. ALWAYS wear your seat belt when operating this attachment.

4.5 LEARNING YOUR ATTACHMENT CONT.

1. Before using this attachment, make sure you are knowledgeable and comfortable with the operation of the auxiliary hydraulic control as outlined in previous sections of this manual and in the machine's operator's manual. (If applicable)
2. When operating this attachment, set the machine to standard hydraulic flow setting. If the machine is equipped with a foot throttle, use it to control engine speed and power being delivered to the attachment. Refer to your machine manual or call your local machine dealer for additional help if necessary.
3. Learn what the attachment looks like in a level position when you are seated in the machine. This will help you when operating the attachment.
4. The correct ground speed while using this attachment depends on the smoothness of the surface on which you are driving and how secure the load is that is being moved.
5. Note that if the machine engine is bogging down because of load on the attachment, it will be necessary to decrease the load until the machine's power can overcome the material load on the attachment.

4.6 BEFORE USING YOUR ATTACHMENT

! DANGER

ALWAYS contact 811, the "Digger's Hotline" to identify underground utilities to avoid an accident that could result in Death or Serious Injury!

! WARNING

EXPOSURE to crystalline silica dust along with other hazardous dusts may cause serious or fatal respiratory disease. It is recommended to use dust suppression, dust collection and if necessary personal protective equipment during the operation of any attachment that may cause a high level of dust.

1. Inspect the area to be worked and make sure it is free of any utilities, rocks, fence posts, or any other objects that you do not want to move.
2. Determine a safe and efficient pattern before the start of the job.



⚠ CAUTION

TIP OVER HAZARD! The operator should not lift the load too high, creating an unstable and unsafe situation. The operator should also avoid tilting the load too far forward, or backward when lifting or lowering as it could cause the load to slide off the fork tines and fall on the operator, machine, and/or ground causing damage, injury, or death.

1. Verify that the load does not exceed the lift capacity.
2. Be aware of forks that protrude past the load being lifted as damage to surrounding objects or damage to the machine and/or forks & frame could occur.
3. Position the forks in the center under the pallet or load to be lifted, ensuring even weight distribution. Always center the load horizontally on the fork tines to optimize stability while transporting.
8. Position the load at a safe traveling height before moving. It is recommended to keep the load 2-4" from the ground when moving.
9. Visually verify that no objects or bystanders are behind you before moving in reverse.
10. Slowly maneuver the load to a clear location. Verify there is adequate clearance while turning to avoid contact between the forks, load, and obstacles such as storage racks, buildings, trees, or fences.

NOTICE

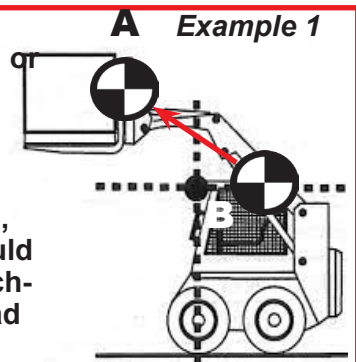
Wider tine spacing generally increases stability of loads.

4. Check for any overhead obstructions.
5. Bring the machine to a complete stop before adjusting the forks to the correct height.
6. Lift the load from its location and tilt the frame back slightly.
7. Confirm the load is balanced, secure and load is fully against the fork frame before moving.
11. When possible, travel straight on grades, ramps, and inclines, avoiding turns.
12. Reduce speed when traveling over rough or hilly terrain.
13. To minimize jerking, start and stop the machine gradually and do not brake suddenly.
14. NOTE-TRACTOR OPERATORS: Make sure the tractor is properly ballasted before attempting to lift any load with the attachment. BE AWARE that the tractor can block attachment visibility when operating forks.

NEVER over extend your boom past what is reasonable for your machine, or the attachment, or anywhere that extends the "Center of Gravity" (of machine with combined load) to an unsafe position.

Note: When your center of gravity moves past point "B", and keeps extending past point "A" the further out it extends, the greater the risk of the load position shifting forward. As in Example 1, the center of gravity should always be within both axles of the machine and never past that point or instability will occur.

Your COG (Center of Gravity) when loaded, unloaded, moving, or stationary, should always be within your attachment, or skid steer max load capacity at all times.



4.8 OFFLOADING

1. Bring the machine to stop in front of the desired location.
2. Gradually raise or lower the load to the required height.
3. Move the machine forward slowly with the load slightly raised until it is positioned squarely and directly above the final destination.
4. Level the load for proper placement.
5. Slowly lower the load onto its final location.
6. Before reversing, check all sides for bystanders or other traffic.
7. After the load has settled, slowly back up.
8. Ensure that the forks clear the load before making any turns or adjusting the fork height.
9. Raise or lower the forks to the traveling height of 2-4" before resuming movement.

4.9 OPERATING GUIDELINES

DANGER

To prevent death from electrocution, NEVER operate this attachment near electrical wires or cables.

WARNING

If lifting a load of brush or trees, make sure all ends are not tangled with standing trees that could cause the center of gravity to be compromised, resulting in a rollover that could cause Death or Serious Injury.

1. ALWAYS inspect the work area before starting the job. Locate and mark any utilities (shut off utilities), steel posts, rocks or any other objects that could be damaged or could damage this attachment during operation.
2. NEVER assume the work area is safe and skip the inspection before start of operation.
3. Operate at a safe slow-paced speed that will allow you to watch the area ahead and behind the attachment and machine.
4. Since about half of your work with this attachment may be in reverse, look behind you and/or utilize your mirrors and camera when backing up.
5. VERIFY that your back-up alarm is working properly to warn others when you are in reverse, but NEVER think that the alarm or camera replaces your responsibility to visually check what is behind you.
6. Attachment control is the most important element to getting a good steady work flow. Overloading the attachment will only result in spinning the tracks or tires and will make unwanted ruts.
7. If you lift too heavy a load with your attachment, you may raise the rear of your machine, and further reduce your tractive power available to move the load.

4.9 OPERATING GUIDELINES CONT.

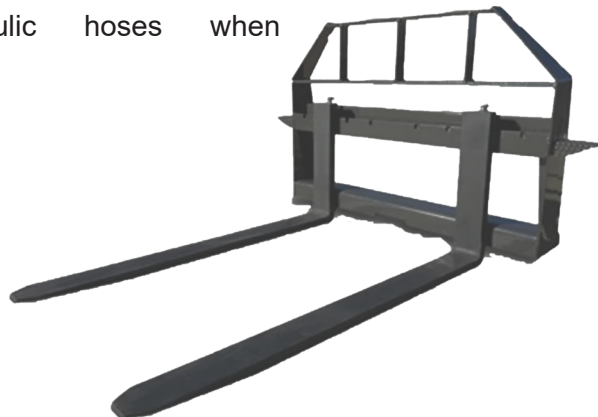
8. Before loading your attachment, stop the machine and make any necessary adjustments to the fork spacing.
9. When picking up objects with your attachment, make sure you center your load. Estimate the load center and pick up accordingly, reposition your grab and retry if needed. An unbalanced load could flip your machine.
10. When loading your hydraulic attachment and clamping the arms over the load, roll the attachment back and retighten the clamp arm pressure. The load will settle and require some additional clamping pressure to secure the load.
11. When using your attachment, make sure that you can visually see your load. DO NOT push or pull objects. Forks & Frames are designed for lifting purposes only.
12. To save service work and down time, always pay attention that the load does not poke through past the attachment arms and damage any hydraulic parts or even enter the cab area.
13. Be careful that any part of the load or objects surrounding, do not “whip” back at the machine. Wear safety glasses to prevent debris getting in your eyes. The manufacturer highly recommends a closed in cab.
14. Keep your distance from any type of utility, whether underground or in the air.



Center load on attachment

4.10 HOW TO DISCONNECT ATTACHMENT

1. When applicable, turn off auxiliary hydraulic circuit; relieve hydraulic pressure.
2. Park machine on a flat and level surface then lower attachment to the ground.
3. Set parking brake and disengage lock pins using the lock lever switch (if installed, skip #6).
4. Turn off machine engine.
5. Disconnect hydraulic hoses when applicable.
6. Pull latch handles to disengage lock pins.
7. Re-enter cab and start machine engine.
8. Tilt mounting coupler forward until Quick Attach Coupler is free from mounting bracket.
9. Drive machine backward to clear attachment.



SECTION 5

MAINTENANCE PROCEDURES

The maintenance procedures described in this manual should only be carried out by qualified mechanics who have been trained to repair this attachment.

Some procedures require special tools and skills to complete. **DO NOT** attempt to repair or perform service work on this attachment unless you have the skills and tools to do so. Contact your local dealer for maintenance and repair services.

WARNING







Only use genuine Original Equipment Manufacturer (OEM) replacement parts on this attachment. We will not be liable for any damages or injuries caused by the use of after market use parts on this attachment.

NOTICE

Improper maintenance or modifications to the design or performance of this attachment will void the warranty. **ONLY** use genuine OEM replacement parts on this attachment.

Safety Instructions

Obey the following safety instructions when servicing or repairing this attachment.

-  **Wear proper Personal Protective Equipment (PPE) while working on this attachment, which may include safety glasses, hard hats, steel toe boots, gloves, etc.**
-  **If servicing is performed while the attachment is connected to the machine, turn engine off, set parking brake and chock wheels to prevent machine from moving.**
-  **Ensure all jack stands, lifts and hoists are in good working condition and have the rated load capacity to support the load.**
-  **Only perform service work in a well-lit area.**
-  **Allow the attachment to cool down before servicing this attachment.**
-  **NEVER work under an unsupported attachment**

5.1 MAINTENANCE SCHEDULE

This **Attachment** will provide years of dependable service if routine maintenance procedures are performed. The maintenance tasks listed below are based on normal operating conditions. More frequent maintenance may be necessary with intense use or when operating in adverse environmental conditions.

Some of these maintenance tasks may not apply based on your model.

MAINTENANCE TASK	BEFORE EACH USE	WEEKLY	YEARLY
<p>Check host machine's hydraulic fluid level. Add manufacturer recommended fluid as necessary.</p> <p><i>Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.</i></p>	X		
<p>Check that all fasteners (nuts, bolts, washers, pins, keepers) are in place. Tighten as necessary.</p>	X		
<p>Inspect and replace any worn, torn, or missing safety decals.</p>	X		
<p>Inspect hydraulic hoses and connectors for damage or leakage. Repair or replace hydraulic items as necessary.</p>	X		
<p>Lubricate all pivot & sliding joints using #2 lithium grease.</p>	X		
<p>Check the condition of the fork tines.</p>	X		
<p>Wash attachment</p>		X	
<p>Check attachment for major scratches & dings. Sand and repaint these areas to prevent rust damage.*Contact the manufacturer for approved OEM paint for your attachment.</p>			X

DANGER

ONLY service the attachment on stable, even terrain. NEVER park on sloped terrain to avoid being struck & killed or seriously injured by the unexpected rolling or movement of the machine.

5.2 FORK REMOVAL & REPLACEMENT

! DANGER

NEVER enter the area underneath the coupler or any part of the attachment when it is in the raised position to avoid an accident that will result in Death or Serious Injury!

! WARNING

Hazardous dust can be generated if painted surfaces are heated or welded and could result in Death or Serious Injury. Remove paint before welding and always make repairs in a well-ventilated area and wear an approved respirator.

! CAUTION

Forks can be very heavy and could cause Minor or Serious Injury if mishandled. ALWAYS wear protective gloves and footwear.

Fork replacement may require assistance from another person as tines are very heavy. Repairs or modifications to the attachment could result in serious injury or death to the operator or bystander should these repairs fail. **DO NOT weld or attempt to repair a bent, damaged, or broken fork tine.** If damaged, replace fork arms with new OEM parts.

Replacement forks are available from the manufacturer.

5.3 ADJUSTING FORK TINE SPACING

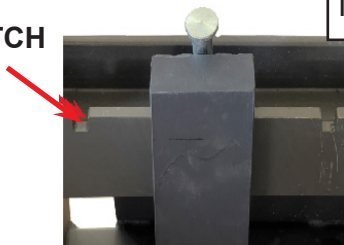
! WARNING

NEVER use forks with latch or lock knob without properly locking into one of the notches. NEVER use forks in the center position to prevent the fork from falling off the frame and causing serious injury or death.

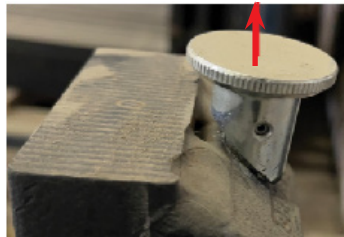
To move the fork tines, PULL UP on the fork locking knob or flip latch and lock knob or flip latch in the open position. Manually slide the fork in the desired direction. Ensure the tine is centered over the NOTCH in the frame then push the flip latch down or turn the knob to lock into position.

PULL

NOTCH



NON-HYDRAULIC MODELS



HYDRAULIC MODELS

Use the controls in your skid loader to adjust the tine spacing. Refer to your skid loader's operating manual for specific instructions on using the controls to move the fork tines.

5.4 ADJUSTING GRAPPLE TINE HEIGHT

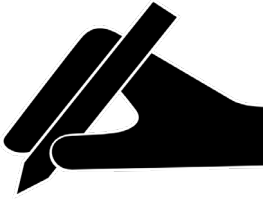
To adjust the opening and closing height of the Fork and Mat Grapples:

1. Place machine in park on a flat level surface with the attachment still hooked to the machine.
2. Lower the attachment to the ground and make sure the tine is closed and resting on the forks or the ground.
3. Turn off auxiliary hydraulics and relieve hydraulic pressure.
4. Exit machine and prop up cylinder with suitable material such as boards, etc. to prevent it from falling and being damaged.
5. Remove pin keeper from cylinder and cylinder rod end pin. *See Figure 5.4A*
6. Re-engage auxiliary hydraulic circuit at low RPM's and slowly retract or extend cylinder to the desired tine setting. Use caution that cylinder moves freely and does not catch or bind when moving.
7. Once holes are aligned, insert cylinder rod end pin and re-insert pin keeper, to secure.

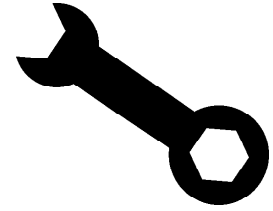


FIGURE 5.4A ADJUSTING GRAPPLE TINE HEIGHT

5.5 MAINTENANCE LOG INSTRUCTIONS



MAINTENANCE LOG



Use the log sheets on at the end of this manual to document all routine maintenance and repair services performed on this attachment.

10. MAINTENANCE

MAINTENANCE LOG

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:
<i>Replace Putter Blades</i>	<i>Joe Smith</i>	01/24/24
<i>Inspect Hydraulic Plumbing</i>	<i>Joe Smith</i>	02/25/24
<i>Change Oil in Bearing Housing</i>	<i>Joe Smith</i>	04/24/24

5.6 STORAGE TIPS

	<p>Ensure attachment is free of water, debris, dirt and grease.</p>
	<p>Store your attachment in a dry shed or garage.</p>
	<p>When storing your attachment for the season, cover with a weather proof tarp to protect it from the elements.</p>


5.7 TORQUE SPECIFICATION TABLE AND INSTRUCTIONS

BOLT TORQUE INSTRUCTIONS

1. Apply and maintain proper torque on all bolts.
2. Use lubricated torque values when applying Loctite. **Do not grease or oil bolts.**
3. Wipe bolts clean and use Loctite 635 or equivalent before tightening bolts. May need curing activator.
4. Use a torque wrench to assure the proper amount of torque is being applied to the bolt.
5. **MUST CURE 72 HOURS BEFORE USE TO PREVENT LOOSENING OF BOLTS.**

TORQUE VALUES

SAE GRADE 8

	DRY	LUBRICATED
	lb.-ft.	lb.-ft.
1/4"	12	9
5/16"	24	18
3/8"	45	35
1/2"	110	80
3/4"	380	280
7/8"	600	450
1"	910	680
1 1/4"	1820	1360
1 1/2"	3162	2688

5.8 TORQUE EQUIPMENT REQUIREMENTS

TOOLS & EQUIPMENT REQUIREMENTS

To complete the maintenance procedures described in this section, you may need the following

tools:

- 1/2 inch drive breaker bar
- 3/4 inch impact socket
- 1/2 inch impact socket
- Tapping Hammer
- 1/2 inch drive torque wrench
- Nylon pry bar set
- Safety stands
- **Loctite 635 or Equivalent-MUST CURE 72 HRS**
- Lifting device (overhead crane hoist, forklift)



NOTE:

When removing bolts with Loctite, it will be necessary to apply localized heat of at least 250 degrees Celsius or to 482 degrees Fahrenheit to loosen bolts.

LOCTITE 635 TECHNICAL SPECIFICATIONS FOR BONDING, CURING, REMOVAL AND INSTALLATION CAN BE FOUND HERE:

<https://next.henkel-adhesives.com/>

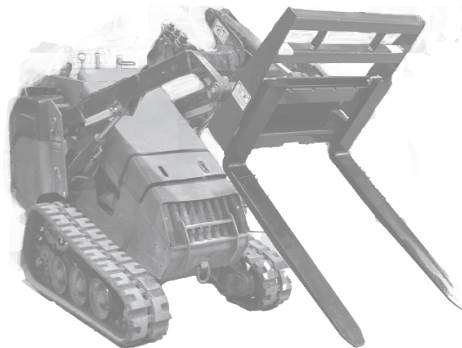
SECTION 6

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Forks are bending or breaking.	<p>Load on pallet is too heavy.</p> <p>The load's center of gravity is incorrectly positioned.</p> <p>Forks are being used to pry or push objects.</p>	<p>Reduce load weight on pallet.</p> <p>Reposition load so that the center of gravity is closer to the frame.</p> <p>NEVER use forks to pry or push objects. NEVER attempt to straighten a fork tine. Replace damaged or bent fork tines.</p>
Forks on carrying bars are shifting sideways.	<p>Locking pins not engaged properly.</p> <p>Locking pins are missing or damaged</p>	<p>Position locking pins appropriately & make sure pins are fully engaged & locked.</p> <p>Replace missing or damaged pins.</p>
Unable to lift load.	<p>Load is too heavy.</p> <p>Insufficient power to lift load.</p>	<p>Reduce load weight on pallet.</p> <p>Use a machine with more lift capacity but be aware of the rated capacity of the forks and frame and do not overload..</p>
Forks are falling off the frame.	<p>Fork tines are not properly attached to the fork back frame or damage has occurred to the back frame or fork tines.</p> <p>Forks are not properly locked in an appropriate position.</p>	<p>Re-attach fork tines to the back frame or replace damaged frame or fork tines.</p> <p>Make sure fork tines are properly locked into position. NEVER position fork tine in the center of the frame to use.</p>
Load is shifting on the forks.	<p>Load is not properly secured or centered.</p> <p>Load is being carried too high or forks are uneven or being tilted up or down too much.</p> <p>Forks are too close together.</p> <p>Traveling sideways on an incline</p> <p>Traveling too fast or turning suddenly.</p> <p>Traveling forward while going down an incline greater than 10%.</p>	<p>Make sure load is secured and centered.</p> <p>Lower load to 2-4" from the ground and make sure the load is tilted towards the frame. Replace uneven fork tines if bent.</p> <p>Adjust forks equally from the center and as far apart as the load allows.</p> <p>Travel straight up or down inclines keeping loads level or tilted towards the frame.</p> <p>Slow to a safe non-bouncing speed, avoid sudden movements.</p> <p>Back down steep inclines keeping loads level or tilted towards the frame.</p>

6.0 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Machine loses power when operating tines or grapple	RPM's are not high enough. Hydraulic flow is too slow or has a leak.	Increase RPMs and reduce ground speed. Look for hydraulic leaks & repair.
Grapple becomes uneven.	Grapple receiving excessive shock loads from contacting solid objects (rocks, steel pipes, etc.) Grapple tine pin missing or damaged.	Use caution when operating grapple tine on solid objects. Replace damaged or missing pin.
Hydraulic fluid level goes down during operation.	Hydraulic cylinder or hose leak, or leaks in host machine's hydraulic system.	Investigate and repair leaks.
Grapple or fork tines do not move when hydraulic system is activated.	Quick disconnects not connected. Hydraulic hose loose, disconnected or damaged. Machine auxiliary circuit inoperative. Damaged or bypassing hydraulic cylinder. Material or debris jamming operation.	Check & secure Quick Disconnects. Check for loose, disconnected or damaged hose. Tighten or replace. Investigate and have repaired. Replace cylinder or seals. Remove material or debris.
Cylinder(s) moves very slow	Loose or restricted hose. Auxiliary hydraulic system not operating properly on host machine. Cylinder seals by-passing.	Check for loose/damaged hose between machine & cylinders. Tighten or replace. Investigate & have repaired. Replace cylinder(s) or seals.
Pins could be prematurely wearing or breaking.	Not greasing pins frequently enough. Grapple receives excessive shock loads from ramming or contacting solid objects (rocks, concrete, steel pipes, etc.)	Grease pins before each use and repeat every 8 hours or less while using in extreme conditions. Clear or mark area of solid objects, or raise the grapple height to clear exposed solid surfaces.



SECTION 7

PARTS INFORMATION

Factory OEM parts specifically designed for your implement are readily available.

For hassle free service and to ensure you receive the correct parts for your implement,
please provide your dealer with the following information:

Model Number	
Serial Number	
GPM Requirements	
Date of Owners Manual (Bottom Left Corner of Cover Page)	
Parts Diagram Page Number	
Part Description	
Reference #	
Quantity Desired	
Ship To Information	
Bill To / Payment Information	

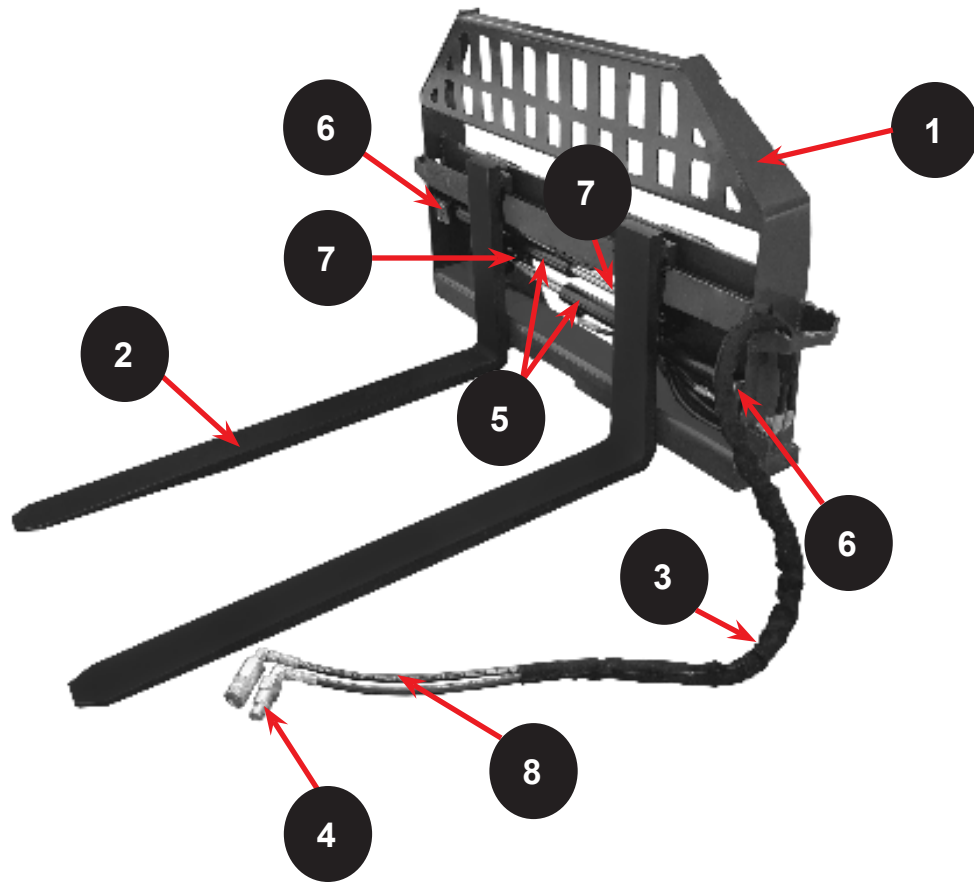
7.1 SIMPLE FORK PARTS DIAGRAM



***PLEASE NOTE SPECIFIC PARTS VARY BY MODEL. PLEASE HAVE YOUR MODEL AND SERIAL NUMBER BEFORE ORDERING PARTS FOR YOUR SPECIFIC ATTACHMENT.**

Ref. No	Part Description	Qty
1	Fork Frame (Varies with hookup and capacity.)	1
2	Fork Tines (Various capacities and lengths.)	2

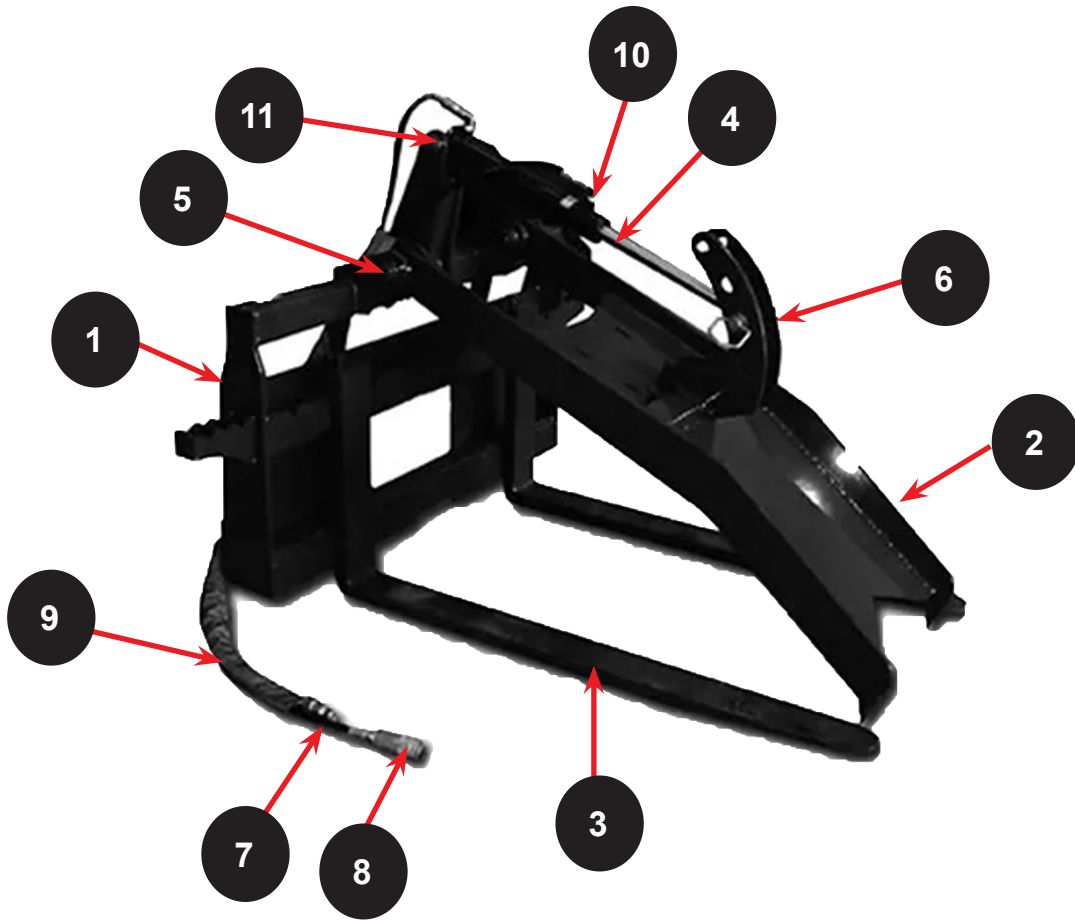
7.2 HYDRAULIC FORKS PARTS DIAGRAM



***PLEASE NOTE SPECIFIC PARTS VARY BY MODEL. PLEASE HAVE YOUR MODEL AND SERIAL NUMBER BEFORE ORDERING PARTS FOR YOUR SPECIFIC ATTACHMENT.**

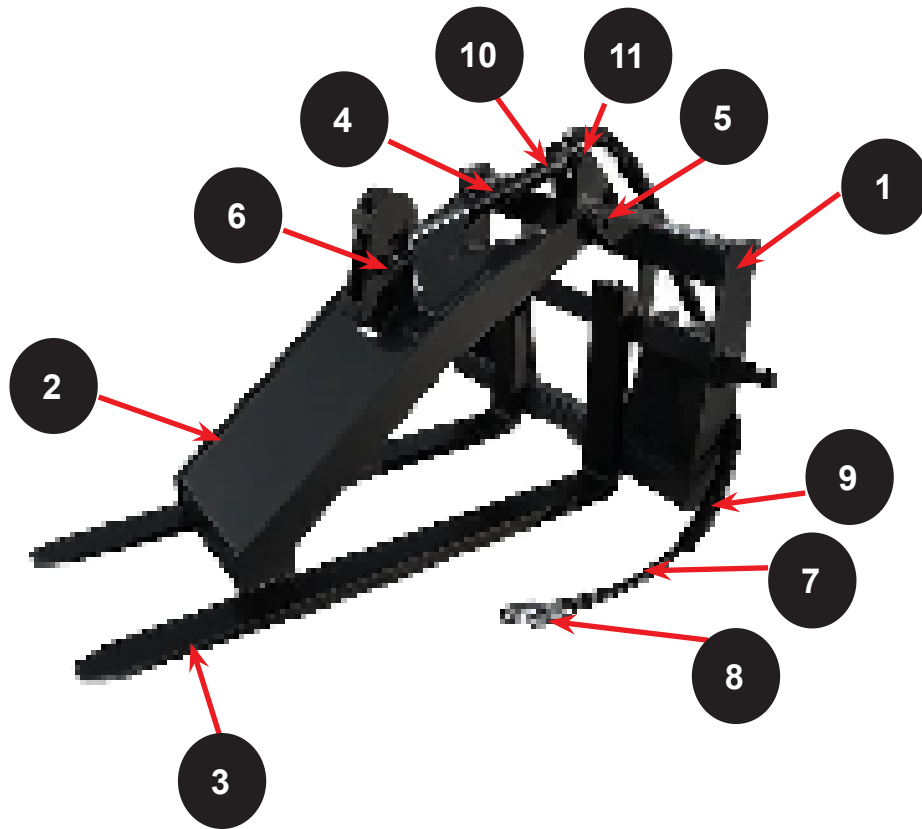
Ref. No	Part Description	Qty
1	Frame Weldment	1
2	Fork Tines (Various capacities and lengths)	2
3	Hose Protective Sleeve	1
4	Quick Disconnect Couplers	2
5	Cylinders	2
6	Cylinder Back Pin	2
7	Cylinder Front Pin	2
8	Hydraulic Hose Kit	1

7.3 FORK GRAPPLE PARTS DIAGRAM



Ref	Part Description	QTY
1	Frame Weldment	1
2	Top Tine Weldment	1
3	Fork Tine (Various lengths and capacities)	2
4	Cylinder	1
5	Pin, Top Tine to Frame	2
6	Pin, Cylinder Rod End to Top Tine	1
7	Hose Set	1
8	Quick Disconnect Couplers	2
9	Hose Protective Sleeve	1
10	Straight Fitting, Hoses to Cylinders	2
11	Pin, Cylinder Base End to Frame	1

7.4 MAT GRAPPLE PARTS DIAGRAM



Ref	Part Description	QTY
1	Frame Weldment	1
2	Top Tine Weldment	1
3	Fork Tine (Class III various lengths)	2
4	Cylinder	1
5	Pin, Top Tine to Frame	2
6	Pin, Cylinder Rod End to Top Tine	1
7	Hose Set	1
8	Quick Disconnect Couplers	2
9	Hose Protective Sleeve	1
10	Straight Fitting, Hoses to Cylinders	2
11	Pin, Cylinder Base End to Frame	1

SECTION 8

WARRANTY INFORMATION

LIMITED WARRANTY

Construction Implements Depot, Inc. (CID) products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

WARRANTY EXCLUSIONS

This warranty does not cover normal wear items, including but not limited to: bearings, hoses, blade holders, ground engaging parts such as teeth, blades, cutting edges, pilot bits, auger teeth and broom bristles. This warranty does not cover maintenance, service or adjustments. This warranty does not cover damage due to improper application or installation, misuse, negligence, accidents or improper maintenance. Please note: Any modification or customization made to your attachment may void its warranty. This warranty is void if any components have been disassembled, i.e., pumps, gear boxes or motors or the attachment has been used without the case drain attached (if applicable). Be sure to follow all recommended Horsepower and GPM requirements as outlined in product specifications, in order to prevent the warranty from being void. This warranty is contingent upon the use of approved BRAND parts exclusively. Any use of non-approved parts may result in voiding the warranty. Please be advised that the warranty does not cover refurbished attachments. Specially modified attachments built by the manufacturer to meet your needs shall not be warranted by CID, Inc.

REPAIRS UNDER WARRANTY

Any repairs, including welding, on attachments must be performed by certified repair technicians who have requested and obtained written approval from an authorized representative of CID before repairs begin. If you are completing the repair, you must also have prior written approval to prevent the warranty from being voided.

WARRANTY STATEMENT

Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (see non-covered items above) that, according to our judgment, show evidence of a defect in quality of workmanship or materials for the stated 12 month warranty period. All defective parts must be routed directly to CID, Inc. with freight or delivery charges to be prepaid. This limited warranty shall not be interpreted to render CID, Inc. liable

8.0 WARRANTY INFORMATION CONT.

for any injury or damage to persons, businesses or property of any kind nor expenses or losses incurred for labor, supplies, substitute machinery rental or for any other reason. Repair or replacement parts are subject to the supply conditions at the time of repair or replacements, which may directly affect our ability to obtain material and/or replacement parts. CID, Inc. reserves the right to make improvements in design or changes in specifications at any time without incurring any obligations to owners of previously purchased products. No one but CID, Inc. is allowed to alter, modify or enlarge this warranty nor the exclusions, limitations and reservation at any time. CID, Inc. products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

Purchaser and Manufacturer hereby (a) submit to the non-exclusive jurisdiction of the courts of competent jurisdiction in North Carolina and Davidson County in which this company resides for resolution of any dispute concerning this Limited Warranty or the rights or obligations of Purchaser and/or Manufacturer; (b) agree that any litigation in connection with this Limited Warranty shall be venued in North Carolina and Davidson County in which the company resides and (c) waive any objection they may have as to any such action or proceeding brought in such court that such court is an inconvenient forum. Nothing herein shall limit the right of Purchaser or Manufacturer (or the right of any permitted successor or assign of either) to bring proceedings against the other in the courts of any other jurisdiction wherein any assets of such other party may be located.

8.1 WARRANTY RETURN AUTHORIZATION POLICY

WARRANTY RETURN AUTHORIZATION POLICY:

If repairs are required, a Return Material Authorization (RMA) number must be obtained for the defective part as well as proof of purchase. RMA and services are rendered by CID only. Any responsibility of shipping costs on any item returned for repair is at the discretion of CID, Inc.

All returned parts must have the following:

1. A legible RMA number written on the outside of the package.
2. Warranty Claim Form (online)
3. The defective part.

RMA numbers are only valid for 30 days from the date of issue. All shipped replacement parts will require a Parts Order (PO) number from the original CID, Inc dealer. Repairs not covered by the warranty, will be charged for parts and labor at the current pricing rate. Should you have any problems with your attachment, please follow the instructions listed on the following page.

8.2 WARRANTY PROCEDURE

WARRANTY RETURN AUTHORIZATION PROCEDURE:

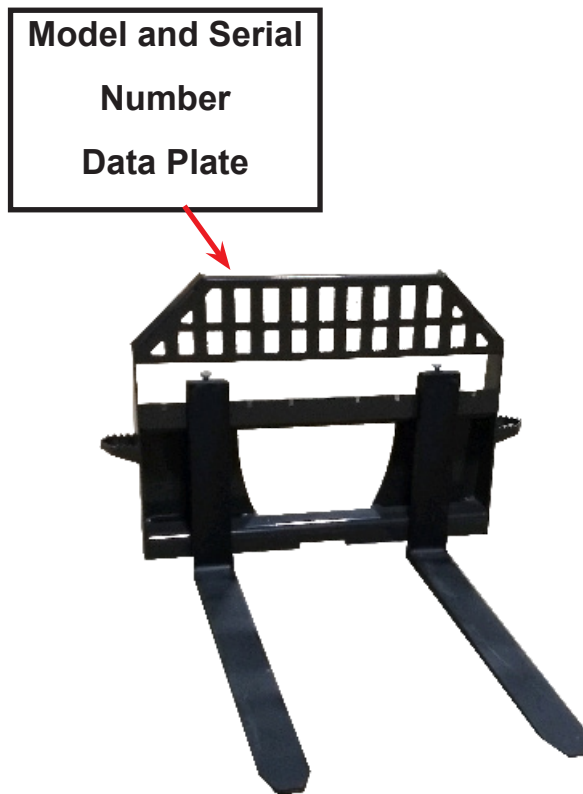
1. Call the Warranty Department at (336) 859-2002 EXT 215. You will need to provide the model and serial number of the defective item(s) (see Appendix for where to find this information), a description of the problem, and have photographs available.
2. Upon a warranted issue, visit www.cidattachments.com, click on the warranty tab, and fill in the warranty information on the Warranty Claim Form. CID, Inc will retain a Return Material Authorization (RMA) number of the defective part. If all the information above is completed CID, Inc will issue a RMA number via email.
3. Once you have an approved RMA number, a shipping label will be provided with CID's address and instructions for returning the defective part. **Appropriate RMA's/PO's will be invoiced and payment received while the evaluation process is being completed to prevent delays in your normal business operations. In the event the defective part(s) is un-warranted and repairs are not covered by the warranty, the customer will be invoiced for any additional parts and labor at the current pricing rate. If the part is deemed under warranty, a credit of the invoice will be issued.**
4. CID will ship a replacement part to the provided location or customer with a RMA identifier of some kind. **The customer is responsible for initial shipping charges until evaluation of the part has been completed.** If the part failure is covered by the warranty, the customer will be reimbursed for any paid shipping charges. In the event, the part is not covered by the warranty, the customer is responsible for return shipping.
5. Once the defective part is warranted by CID, the customer will be issued a credit and the PO number will no longer be active.
6. In the event CID decides that the attachment needs to be returned to them for repair, CID will make arrangements for pickup and return. Repairs will be performed by CID qualified technicians. Non-warranted issues will be discussed, and repairs will be performed upon the owner's agreement and receipt of payment for parts and labor.

APPENDIX A FINDING YOUR MODEL AND SERIAL NUMBER

The Model and Serial numbers will be in one place and will either be etched into the attachment or on a Data Plate.

Instructions: Stand at the back of the attachment facing the attachment mounting bracket and look in the following locations:

1) Back- top left area



PLEASE NOTE: The Model and Serial number may be etched or on a Data Plate.

Disclaimer: Any critical changes made to this manual by individuals outside the manufacturer's authorized personnel are doing so at their own risk. The manufacturer cannot be held legally responsible for any consequences, damages, or liabilities resulting from such modifications. It is advised to adhere strictly to the original manual provided by the manufacturer for optimal performance, safety, and reliability.



CONSTRUCTION IMPLEMENT DEPOT
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CIDFNF-MANU-V3M1225

