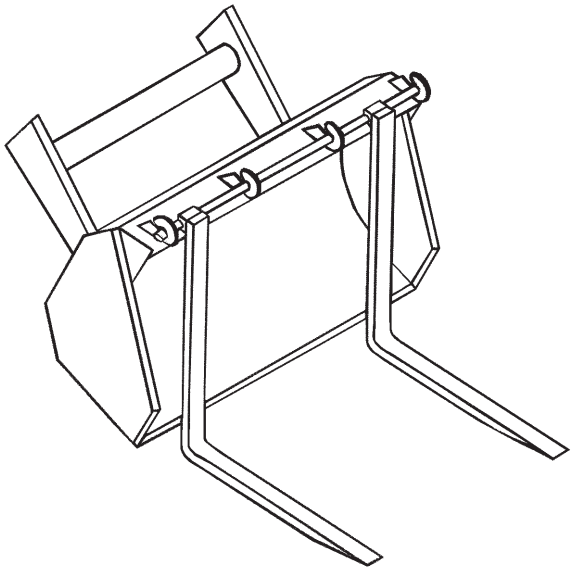
PREMIER

Drive-In Forks

Model DPF48

OWNER'S / OPERATOR'S MANUAL

Serial Number _____



Warning! Avoid injury or death. Read and understand this entire manual before installing, operating or servicing this equipment.

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Congratulations on the purchase of your PREMIER Drive-In Forks.

You have invested in a quality piece of equipment backed by people with years of experience. But only by proper installation, operation, and maintenance can you expect to receive the dependable performance and long life for which the attachment was designed.

This operator's manual contains information regarding the installation, operation, safe use, and maintenance of your Premier Drive-In Forks. Please be sure all operators study this manual carefully and keep it on file for future reference.

After reading this manual, if you have any questions about your Premier Drive-In Forks please contact us as follows:

Toll Free:	(866) 458-0008
Local:	(260) 456-8518
Fax:	(260) 456-6868
Web:	www.premierauger.com
E-Mail:	contact@premierauger.com

Premier strives to provide superior products and the highest level of customer service. If you have any suggestions on how we can improve for the future, we would appreciate hearing from you.

Thank you for putting your trust in Premier.

PREMIER

2707 Lofty Drive
Fort Wayne, IN 46808

INTRODUCTION

Drive-In Forks are intended for use as a utility tool on Tractor Loaders and Tractor Loader/Backhoes. They are designed for intermittent lifting and carrying of rigid loads. The easy installation and removal from existing equipment make the forks practical for use in a wide variety of job site applications where alternative methods may not be available or practical.

Their safe and productive use requires consideration of three factors:

- Fork Limitations
- Operating Procedures
- Machine Capabilities

Each of the above will be discussed in the sections that follow.

Although fork attachments are highly flexible in how they can be used, there are physical limitations which must be recognized. They do not provide all of the capabilities of more expensive, specialized machines designed specifically for this use.

⚠ Lift Truck operation, particularly over rough terrain, can be extremely hazardous. Therefore it is crucial to understand the dangers involved and proper operating procedures. Based on many years of experience, handling a variety of loads under a broad range of conditions, it is possible to identify situations that are unsafe. In addition to carefully reading this manual, we recommend reading your machine's safety manual. As the manufacturer, we have no direct control over the equipment application, operation, inspection, or maintenance. Therefore, it is YOUR responsibility to use good safety practices in all of these areas.

PREMIER DRIVE-IN FORKS WARRANTY POLICY

Model #_____ Serial #_____

Premier warrants its Drive-In Forks to be free from defects in material and/or workmanship during a Warranty Period of 12 MONTHS, in accordance with and subject to the terms and conditions of this Limited Warranty.

Warranty Period
The Limited Warranty is provided only to those defects that occur during the Warranty Period. The Warranty period begins on:

a) The date of initial purchase by the end user.
b) The date the product is first leased or rented.

Warranty Performance
To make a claim under this warranty, contact the dealer purchased from, who will then obtain written return authorization from Premier. All warranty returns must be accompanied by a Premier Return Authorization.

Remedy
During the applicable warranty period Premier at its option will repair or replace, free of charge, any product determined by Premier to be defective. Such repair or replacement shall take place at a location designated by Premier.

Exclusions From Warranty Coverage
1. To qualify for warranty performance the complete unit must be available for Premier's inspection in its original "failed" condition.
2. There is no warranty against failures caused by or related to alterations or modifications made without the express written consent of Premier.
3. Under no circumstances shall Premier be responsible for the cost of labor for field replacement or repair, nor for damage caused by accident, misapplication, abuse, misuse, operator error, or environmental elements.
4. This warranty does not apply to parts subject to normal wear, nor to damage caused by the failure to perform recommended maintenance or to replace worn parts.
5. Under no circumstances shall Premier be obligated for the cost of any repair or replacement by anyone other than Premier, without its express written consent.
6. Failure to return the Warranty Registration may void the Warranty.

Limitations And Exclusions
This warranty is in lieu of all other warranties written or oral, express or implied, statutory or otherwise arising by operation of law, including any warranty of merchantability or fitness for purpose.

The liability of Premier arising out of the supplying of any product covered by this warranty contract, negligence or otherwise shall not in any case exceed the cost of parts or labor required to rebuild or replace such defective product, together with the transportation costs attributable thereto. Upon the expiration of the applicable warranty period herein specified, all such liability shall terminate.

This warranty constitutes the entire warranty of Premier, and no oral representations, warranties or guarantees by any agent of Premier, or the seller shall be binding on Premier, and no part of this warranty may be modified or extended except upon the express written consent of Premier.

Improvements
Premier continually strives to improve our products. Premier reserves the right to make changes or additions to any product without incurring any obligation whatsoever to make such changes or additions to products previously sold.

PREMIER DRIVE-IN FORKS WARRANTY REGISTRATION

Date of Purchase: _____

Model #: _____ Serial #: _____

Owner Information:

Owner's Name _____ Phone _____

Company Name _____

Address _____

City _____ State _____

Zip Code _____ Country _____

Dealer Information:

Dealer Salesman _____ Phone _____

Dealer Name _____

Address _____

City _____ State _____

Zip Code _____ Country _____

Installation & Application Information:

These Premier Drive-In Forks will be mounted on: _____

These Premier Drive-In Forks have been accepted in good condition and I have been instructed by the dealer and/or read and understand the entire Operator's Manual for proper installation, proper and safe operation, preventative maintenance and service, warranty and all other information covered in the Operator's Manual. I also understand that all operators must read and understand the entire Operator's Manual.

Owners Signature _____

This page must be returned within 10 days of purchase to validate warranty.

Mail To:

Premier, Inc.
2707 Lofty Drive
Fort Wayne, IN 46808

GENERAL SAFETY PRECAUTIONS

SAFETY ALERT SYMBOL

This is the Safety Alert Symbol used by this industry. This symbol is used throughout this manual to warn of possible injury. Be sure to read all warnings carefully. They are included for your safety and for the safety of others working with you. Failure to follow these instructions can result in injury or death.

All Operators of this equipment must read and understand this entire manual, paying particular attention to safety and operating instructions, prior to using the PREMIER Pallet Fork Attachment. If there is something you do not understand, ask your supervisor to explain it to you. Failure to observe these safety precautions can result in death or serious injury or serious equipment damage.

An operator must not use drugs or alcohol, which can alter his alertness or coordination. An operator taking prescription or over the counter drugs should seek medical advice on whether or not he can safely operate equipment.

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Never alter or remove any safety decals or safety shields. Check this manual for location of these items and replace immediately if damaged or illegible.

Know and obey all OSHA 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.

Improper installation, operation, or maintenance of this equipment could result in injury or death. Operators and maintenance personnel should read this manual, as well as manuals related to this equipment and the host machine thoroughly before beginning installation, operation, or maintenance. **Follow all safety instructions in this manual and the that of the host machine.**

Know your equipment's capabilities, dimensions, 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 connections are properly installed and secured.

Never perform any work on the attachment unless you are authorized and qualified to do so. Always read the operator service manual before any repair is made. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. After completing maintenance or repair, check for correct functioning of the pallet fork attachment. If not functioning properly always tag "DO NOT OPERATE" until all problems are corrected.

Always work on a level surface in a well lit area. Use properly grounded electrical outlets and tools. Use the correct tools 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. Never work under a raised attachment. 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.

Know where utilities are located. Observe overhead electrical and other utility lines. Be sure equipment will clear them. When digging, call your local utilities for location of buried utility lines, gas, water and sewer, as well as any other hazard you may encounter. All bystanders should be kept a minimum of 10 feet away from working area. Never leave equipment unattended with the engine running, or with the attachment in a raised position.

Always choose hard level ground to park your vehicle on and set the brake so the machine will not roll.

Read and follow the specific Safety Precautions listed in the Installation, Operation and Service sections of this manual.

This manual covers the safe use, installation, operation, and service instructions for the pallet fork attachment only. Always read the operating and safety manuals prepared for your vehicle and any other attachments before using them.

OPERATING SAFETY WARNINGS

Forklift operation can be very dangerous to you and to others nearby.
Read carefully and become familiar with the following:

⚠ Keep in mind that the capacity of the machine can be greatly reduced by a number of factors, including:
- Operating on a grade, especially across a grade.
- Operating on uneven, soft, bumpy, or rough terrain.
- Under inflated tires.

⚠ Always inspect the load about to be lifted.

⚠ Do not attempt to move a load that appears unstable.

⚠ Double tiered loads are hard to control and should not be lifted.

⚠ If there is any question about being able to lift a load, stop and separate the load into smaller lifts.

⚠ Remember that the weight of the fork attachment is the same as carrying a partial load. In this case, operate the machine as if you were transporting a partial load.

⚠ Carry the load low - always at the lowest possible bucket height recognizing the irregularities in the surface of the working area.

⚠ Keep your speed low enough that you are in complete control at all times. Use smooth even motions.

⚠ Operate your machine only from the operator's seat. Do not allow riders.

⚠ Sudden stops, starts, turns or changes in direction can cause the load to fall or the machine to overturn.

⚠ Keep others away from the operating area. Never allow anyone to stand in front of a fixed object.

⚠ If possible, plan to load, unload, and turn on flat ground.

⚠ If overloading causes the machine to start to tip - lower the load immediately.

⚠ If loads are to be rehandled, place stacking blocks under the loads.

⚠ Approach the load slowly and squarely. Keep fork tips straight and level.

⚠ Engage the load by moving the machine carefully into position.

⚠ Make sure the load is evenly distributed between both forks.

⚠ Be sure that the forks are centered on the bucket.

⚠ When the load is against the fork back rest, tilt the forks back to the "carry" position.

⚠ Tilt the load only enough to clear obstacles while moving.

⚠ If you must move the load with the forks raised above the lowest carry position, move slowly and use extreme caution.

⚠ Adjust the width between the forks to the widest setting allowed by the load.

⚠ Be certain that the load is secure.

⚠ Do not drag a load.

⚠ When carrying a suspended load, avoid sudden starts, stops, and turns. Use a tether to restrict the movement of a suspended load.

⚠ WARNING! When carrying drums, cylinders, reels, pipe or other round objects, tilt the forks back and use a tie-down or tether if necessary to secure a load.

OPERATING SAFETY WARNINGS (CONTINUED)

⚠ Use extra care when handling long, high or wide loads. Be particularly watchful to avoid any contact with power lines.

⚠ Always watch your overhead and side clearance.

⚠ Always come to a gradual stop before reversing direction.

⚠ Be alert and careful when operating near the edge of a loading dock, embankment, ditch or ramp.

⚠ Whenever possible, two people should work together - one to operate the machine and the other to direct and watch for danger and hazards. Always be sure that the observer on the ground stays well away from the machine and its load.

⚠ Never travel down a grade with loaded forks pointing down grade.

⚠ Always maintain a safe distance between your machine and other machines.

⚠ Always use a signal person, if you cannot see the place where you will put the load.

⚠ Make sure that the place where you will put the load can take the weight of the load.

⚠ Use extreme caution when placing or stacking a load overhead. This practice is extremely dangerous. When carrying loads high, remember:

1. Use extreme caution because there may be workers or others in the area that you cannot see.
2. Keep the load as low as possible while maneuvering the machine into position.
3. Do not lift load until the machine is as close as possible to the place where the load will go.
4. Do not raise the load if the forks are tilted to one side or bent.
5. If your machine is equipped with outriggers, these should be lowered into position.
6. Use a signal person if necessary to help you safely place the load.
7. If there is any sign of instability, immediately lower the load and:
    - Restack the load on the pallet or break it into smaller loads.
    - If necessary, move the machine to a more stable, level position.

⚠ **WARNING!** The machine will become less stable as loads are raised.

⚠ Do not ram a hydraulic cylinder to the end of its stroke. The resulting jolt could spill the load.

⚠ Do not apply the full down pressure of the machine to the forks, it could cause damage to the tines, rod, or mounting brackets.

⚠ The fork attachment will not withstand any substantial side loading as could result from letting the tines contact a solid object while turning.

⚠ Always watch out for the other guy.

1. Never let anyone near the pinch points of the machine including:
    - The pivot point of an articulated machine
    - The loader lift arms
    - The loader bucket
2. Never carry a rider.
3. Never use the bucket or the forks as a man-lift.
4. Never lift a load over the heads of other people.
5. Before you back up, look to be sure everyone is clear of the machine.
6. Make sure your backup alarm is working properly.
7. Always keep any signal person in view and well away from machine and its load.

⚠ **WARNING!** The fork tines are not attached to the bucket when raised, excessive bucket rollback (especially in combination with bouncing or sudden control action) may result in the forks rotating toward the operator. This is extremely unsafe.

MACHINE (LOADER) CONSIDERATIONS

The fork attachment manufacturer has no positive control over the type and specification of the machine on which the attachment is applied. Only limited information is available on the loader with respect to machine stability, lift capacity, control characteristics, bucket shape and construction, dynamic behavior and flexing while on rough terrain, etc. Loaders are sold by a large group of domestic and overseas manufacturers who constantly upgrade and change their models without notification. The buckets are frequently supplied by other manufacturers.

Since the purchaser (owner) has detailed knowledge of the specific machine and the installed optional equipment, the purchase (owner) must take into account the characteristics that affect the fork tine performance and safety during operation.

It is essential that you check out the performance of the fork attachment after installation. A simple test, starting at low transport speeds and light loads, gradually increasing to establish the capabilities of the total unit, will establish safe operational load limits.

The lift and transport capacity of the fork tine is dedicated by a combination of the three following conditions:

1. The capacity of the forks.
2. The machine stability.
3. The hydraulic system design.

The last two are dependent on machine characteristics and will vary between models. The maximum lift capacity of the machine with the load located at the midpoint of the forks will be less than the standard capacity rating of the loader because of the weight of the forks and the increased lever arm resulting from mounting the forks out in front of the bucket. The actual reduction can only be determined by tests and/or actual measurements of the loader. The machine's maximum lift capacity is normally limited by machine stability, but units such as tractor loader/backhoes, with a great deal of weight attached to the rear, are limited by the hydraulic system design.

Most loaders have considerably more power to wrist (roll) the bucket than to lift a load. The forks may be damaged if full bucket wrist power is applied while the bucket is supported on a surface. Maximum lift capacity in this case is not limited by machine stability.

Machine stability is a critical consideration with respect to both the capability of lifting a load to the desired height and to the ability of the machine to transport over rough terrain. For productive and safe forklift operation, the machine should be provided with extra rear counterweights (as recommended by the loader manufacturer) to counterbalance the loads carried on the forks. The match of the fork model to the machine should be further verified if the machine is equipped with counterweights and its capacity therefore increased.

Stability is improved with:

1. Low center of gravity.
2. Long wheel base.
3. Balanced weight distribution, which provides adequate weight at the rear to balance the load to be carried.
4. Relatively rigid suspension (including tire type and inflation)
5. A rigid front axle with articulated frame steering.
6. Rigidity of the frame, which reduces flexing and swaying.

In general the large loader models, designed for production work, have the best stability and are the least affected by optional equipment.

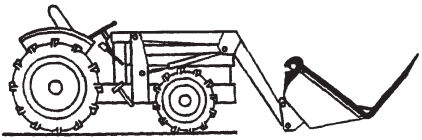
The bucket restricts the view of the forks, but a high and/or forward operator location will maximize the visibility.

Smaller sized units, utilized for general utility work, tend to have relatively high acceleration which can be dangerous if employed while carrying a load. The rated capacity for this type of unit is established by the manufacturers, often without reference to any national standards, and may suggest an optimistic performance above a safe operating level.

The smaller, lower cost utility machines do not utilize sophisticated control technology, resulting in sharp and fast control response, which makes positioning of the load more difficult. The bucket path for these machines approaching the maximum raised position curves back, increasing the danger of the load falling backwards onto the operator. Use of excessive bucket rollback at high lift must be avoided.

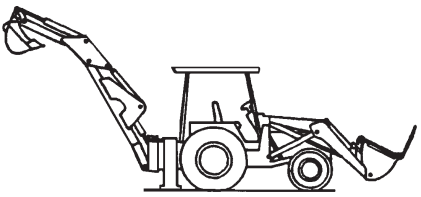
⚠ PREMIER Drive-In Forks Model DPF48 are not recommended for use on machines with operating weight of less than 3,500 lbs.

TRACTOR LOADER



- Limited stability, particularly while turning.
- Rocking front axle
- Bucket mounting arms relatively flexible, which can cause problems while propelling over rough ground.
- Medium to high speed.
- Highly variable lift capacity dependent on optional attachments, including additional rear counterweights and fluid filled rear tires.
- Capacity rating established by manufacturer (may be optimistic).
- Poor visibility of forks.
- Soft tires and short wheelbase magnify fore / aft pitching when traveling on rough terrain.
- In some cases may have ability to raise and roll bucket to the point where forks could become disengaged.

TRACTOR LOADER / BACKHOE



- Limited side stability.
- Machine length restricts maneuvering.
- Lift capacity limited only by hydraulic system because of weight added by backhoe.
- Capacity rating established by manufacturer (may be optimistic).
- Poor visibility of forks.
- Soft tires and short wheelbase magnify fore / aft pitching when traveling on rough terrain.
- In some cases may have ability to raise and roll bucket to the point where forks could become disengaged.

SAFETY DECALS

IDENTIFICATION & REPLACEMENT

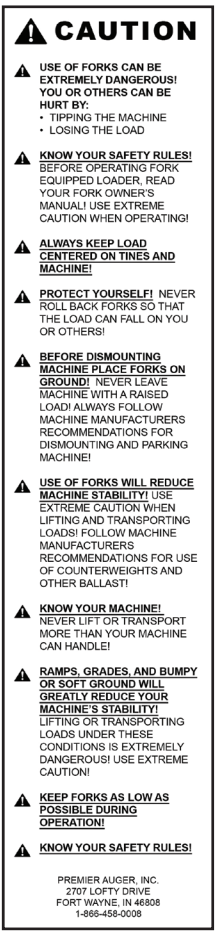
It is important to read all Safety Decals before operating the Attachment. They contain important information you need to know for both safety and longevity.

WORN, DAMAGED OR ILLEGIBLE SAFETY DECALS MUST BE REPLACED.

- Keep all safety signs clean and legible.
- Replace all missing, illegible, or damaged safety decals.
- New Safety Decals are available from PREMIER.

REPLACEMENT OF SAFETY DECALS

1. Clean the area of application with non-flammable solvent, and then wash the same area with soap and water.
2. Allow the surface to fully dry.
3. Remove the backing from the safety decal, exposing the adhesive surface.
4. Apply the safety decal to the position shown in the diagram above and smooth out any bubbles.



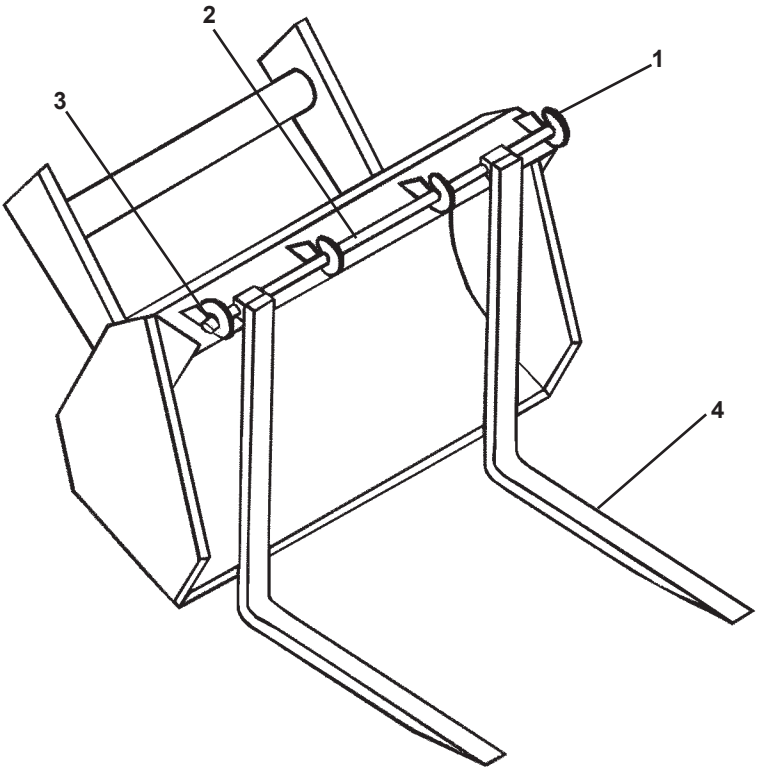
PREMIER DRIVE-IN FORKS MODEL DPF48

SPECIFICATIONS

MODEL#	# OF TINES	ATTACHMENT LOAD CAPACITY	# OF BRACKETS	FITS BUCKET OPENING UP TO	OVERALL WEIGHT
DPF48	2	5,500 Lbs.	4	39”	468 Lbs.

PARTS LIST

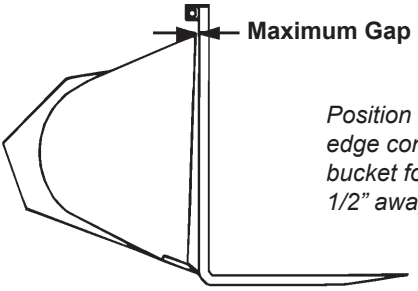
REF.#	PART#	DESCRIPTION
1	52074	Mounting Bracket
2	52076	Rod
3	52077	Rod Collar
4	52074	Tine



PREMIER DRIVE-IN FORKS MODEL DPF48

MOUNTING INSTRUCTIONS

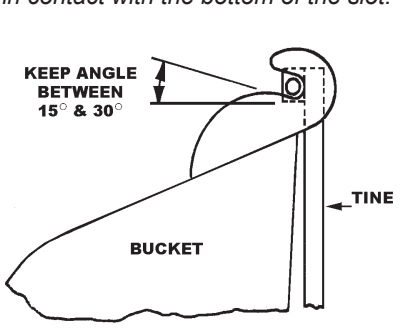
1. Slide Rod (2) through Rod Holders on fork tines and install Rod Collars (3).
2. With the fork tines sitting upright on a hard flat surface, use the rod as a fixture to locate the Mounting Brackets (1) across the top of the bucket.

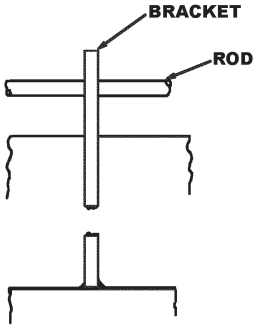


Position the loader bucket so that the cutting edge contacting the back of the fork tine, roll the bucket forward until the spill guard is roughly 1/2” away from the back of the fork tine.

3. Hook the Mounting Brackets (1) over the Rod (2) and space them equally across the top of the bucket. Position the two end brackets about 1” in from the ends of the Rod (2).

For minor variations, raise or lower the bucket so that the Mounting Brackets contact the top of the bucket properly while engaged over the Rod. All of the Mounting Brackets should be positioned so that the angle of the slot is the same and the Rod is in contact with the bottom of the slot.





If the top of the bucket is curved or there are stiffening members along the top, trim the bottom of Mounting Brackets to fit the contour of the bucket without having a gap exceeding 1/8”. The Mounting Brackets must be mounted perpendicular to the top of the bucket.

4. Tack weld the Mounting Brackets to the top of the bucket to hold them temporarily in position. Roll the bucket forward to check whether or not the slots in Mounting Brackets can be positioned to remove or install fork tines. Trim bottom edges of Mounting Brackets if needed to correct alignment.

Complete welding the Mounting Brackets to the top of the bucket:

- *Mounting Brackets 3/8” thick require 1/4” fillet welds down both sides.*
- *Mounting Brackets 3/4” thick require 3/8” fillet welds down both sides.*