



NORDEN MFG

Owner Manual

Euro Loader Buckets



EB-72US



EB-82US



EB-82SL



EB-94SL

MADE IN THE USA 

Read, Understand, and Follow this manual which provides information and procedures to safely operate and maintain the attachment.



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1. Introduction



The Norden Euro loader bucket is an attachment that mounts to a tractor equipped with a front end loader having Euro mounting capabilities. **It is designed specifically to move loose material.**

Note: The specific term “loader bucket attachment” will be referred to simply as “loader bucket” or “attachment” throughout the rest of this manual and may refer to any of the models covered by this manual. The term utility tractor will be referred to as “machine” throughout this manual.

Read, understand, and follow the manual carefully to become familiar with your new Norden loader bucket. Ultimately it is our desire that you will be operating your loader bucket as a seasoned professional in very little time!

This manual is intended for all models, but will show specific pictures and diagrams of the EB-72US loader bucket. If any specifications are different than the model shown, it will be noted.

1.1 Intended Usage

Do not use this loader bucket for any other purpose than its intended use of moving loads of loose material.

Note: Do not use an oversized machine; the loader buckets are intended to be used on machines rated up to 140 HP or a 3500 pound operating capacity.

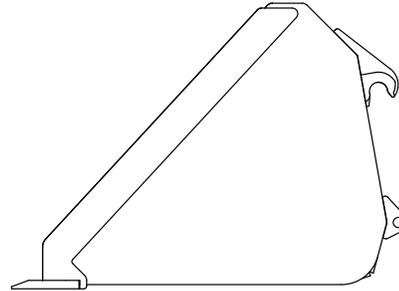
1.2 Operator Orientation

The directions left, right, front, and rear, as mentioned throughout this manual, are as seen from the operator’s seat, facing in the direction of travel.

1.3 Specifications

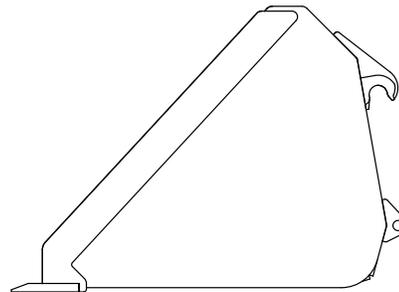
Specifications subject to change without notice.

1.3.1 EB-72US Specifications



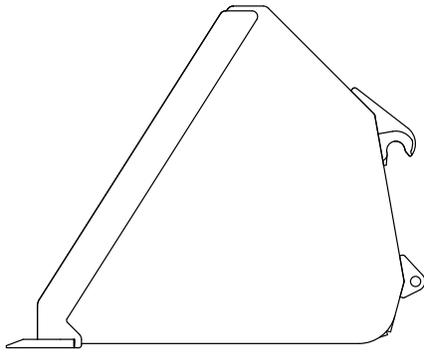
Overall Width	73"
Overall Length	34.5"
Overall Height	25.5"
Overall Approximate Weight	462.4 lb.
Approx. Struck Capacity	18.7 Cu. Ft.

1.3.2 EB-82US Specifications



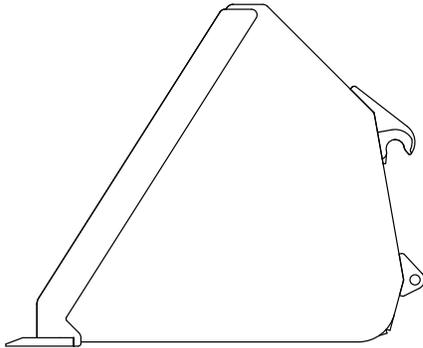
Overall Width	83"
Overall Length	34.5"
Overall Height	25.5"
Overall Approximate Weight	505.1 lb.
Approx. Struck Capacity	21.4 Cu. Ft.

1.3.3 EB-82SL Specifications



Overall Width	83"
Overall Length	37"
Overall Height	30.5"
Overall Approximate Weight	578 lb.
Approx. Struck Capacity	29.0 Cu. Ft.

1.3.4 EB-94SL Specifications



Overall Width	95"
Overall Length	37"
Overall Height	30.5"
Overall Approximate Weight	651.9 lb.
Approx. Struck Capacity	34.0 Cu. Ft.

1.4 Serial Number Location

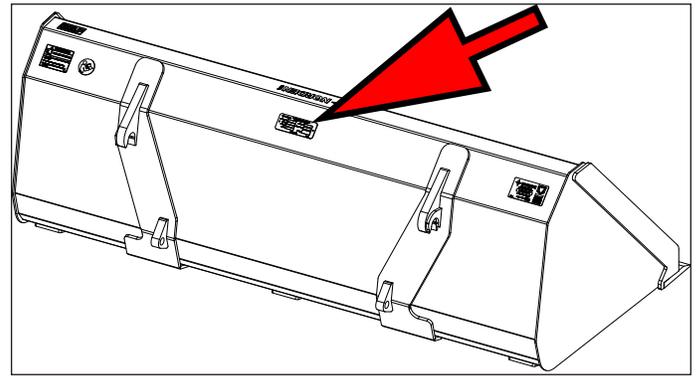
The loader bucket's serial number and model number are on the data plate which is located on the rear of the bucket. Please use these numbers when requesting service, seeking information, or ordering parts.

NORDEN 4210 Kinsman Rd NW, North Bloomfield, OH 44450
www.nordenmfg.com - (877) 296-5851

Model Number/Rev <input style="width: 80%;" type="text"/>	Approx. Weight <input style="width: 80%;" type="text"/>
Part Number <input style="width: 80%;" type="text"/>	Max Hyd. Pressure <input style="width: 80%;" type="text"/>
Serial Number <input style="width: 80%;" type="text"/>	Load Rating <input style="width: 80%;" type="text"/>
Mfg Date <input style="width: 80%;" type="text"/>	

Made in USA 1027460

1.



Record the serial and model numbers as well as the date of purchase in the space provided for easy reference when contacting Norden Mfg LLC with questions.

Model Number _____

Serial Number _____

Date of Purchase _____

1.5 Product Improvements

Because Norden Mfg LLC maintains an ongoing program of product improvement, we reserve the right to make improvements in design or changes in specifications without incurring any obligation to install them on attachments previously sold.

1.6 Disposal of Equipment at End of Useful Life

The Norden Mfg LLC loader buckets are designed for the specific purpose of moving gravel and dirt. When this attachment is no longer capable of performing its intended use, it should be dismantled and scrapped. Do not use any materials or components from this attachment for any other purpose.

1.7 Unanswered Questions

If you have any questions not answered in this manual, require additional copies, or the manual is damaged, please contact your dealer or:

Norden Mfg LLC
4210 Kinsman Road NW
North Bloomfield, OH 44450

Phone: (877) 296-5851
Fax: (440) 693-4336
E-mail: parts@nordenmfg.com

The manual is also available for download at:
www.nordenmfg.com

2. Safety

2.1 General

Most work-related accidents are caused by failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing potentially hazardous situations before an accident occurs. As you use and maintain the attachment you must be alert to potential hazards.

Improper use and/or maintenance of this attachment could cause a dangerous situation that results in property damage, personal injury, or death.

WARNING



Do not use the attachment until you read, understand, and follow the information contained in this manual and all related equipment manuals. Do not use the attachment for anything other than its intended purpose of loose gravel or dirt.



Safety precautions and warnings are provided in this manual and on the attachment. If these precautions and warnings are not followed, bodily injury or death could occur to you or to other persons.

Norden Mfg LLC cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this manual and on the product are, therefore, not all-inclusive. If a method of operation not specifically recommended by us is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that the attachment will not be damaged or be made unsafe by the use or maintenance methods that you choose.

The information, specifications, and illustrations in this manual are based on the information that was available at the time this material was written and can change at any time.

2.2 Safety Alert Symbol



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. The symbol is followed by a signal word such as “WARNING” or “CAUTION” depending on the severity of the potential hazard. Obey all safety messages that follow this symbol to avoid possible injury or death.

This manual contains WARNINGS, CAUTIONS, NOTICES, SAFETY INSTRUCTIONS, and NOTES. Warnings, Cautions, and Safety Instructions must be followed to prevent the possibility of personal injury or death due to improper operation. Notices and Notes help prevent attachment or property damage.

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 that attachment or property damage can result if instructions are not followed.

SAFETY INSTRUCTIONS

Indicates specific safety-related instructions or procedures.

Note: Contains additional information important to operation or a procedure.

2.3 Safety Icons Nomenclature

This manual and the attachment has numerous safety icons. These safety icons provide important operating instructions which alert you to potential personal injury hazards

2.3.1 Personal Protection / Important Information

-   *Read the manual*
-  *Maintenance procedure*
-  *Eye protection*
-  *Hearing protection*
-  *Hand protection*
-  *Foot protection*
-  *First aid kit*
-  *Use proper tools*
-  *Use OEM parts*
-  *Use ROPS and seat belt*
-  *Maintain safety decals*
-  *Place in park*
-  *Remove key*
-  *Stop engine*
-  *Visibility - slow moving vehicle (SMV)*
-  *Set parking brake*

2.3.2 Prohibited Actions

-  *Do not alter or modify*
-  *Do not leave out tools*

-  *Do not weld*
-  *No riders*
-  *No children*
-  *No alcohol*
-  *No drugs*

2.3.3 Hazard Avoidance

-  *Crushing hazard*
-  *Crushing hazard*
-  *Slipping hazard*
-  *Tripping hazard*
-  *Falling hazard*
-  *Safety alert symbol*
-  *Defective or broken part*
-  *Falling hazard*
-  *Maintain safe distance*
-   *Pinch point hazard*
-  *Crush hazard*
-  *Rollover hazard*
-  *Not a lifting device*
-  *Electrocution hazard*
-  *Entanglement hazard*

2.4 General Safety

WARNING



Read, Understand, and Follow Manual

To prevent personal injury or even death, be sure you read, understand, and follow all of the instructions in this manual and other related OEM equipment manuals! This attachment was designed for a specific application; **DO NOT** modify or use this attachment for any application other than that for which it was designed. Attachments used improperly or by untrained personnel can be dangerous! Inexperienced operators should receive instruction from someone familiar with the attachment and the machine before being allowed to use the attachment.



Do Not Operate

Do not use the attachment if it is in need of repair. If you believe the attachment has a defect which could cause injury or death, you should immediately stop using the attachment.



Fall Hazard

Do not use the attachment as a platform for standing. Do not stand on top of the attachment at any time. Do not hang on the attachment or allow others to hang on it.



Pinch Point Hazard

Keep hands and feet away from the attachment to prevent them from getting pinched or crushed.

2.5 Machine Related Safety



Impaired User Hazard

Do not attempt to use or maintain the attachment under the influence of drugs or alcohol. Consult your doctor before using the attachment while taking prescription medications.



Falling Hazard

Do not allow riders on the machine or attachment at any time. Falling can result in severe injuries or death.



Not A Lifting Device

Do not use the attachment to lift other objects.

WARNING



Stay Clear

Clear the area of people, especially small children, before using the attachment. Under no circumstances should young children be allowed to work with or around the attachment.

2.6 Safety Decals

Refer to section “3. Safety Decals and Labels” on page 11 for safety recommendations related to using the attachment.

2.7 Operation Safety

Refer to section “6.1 User Safety” on page 15 for safety recommendations related to using the attachment. All applicable safety recommendations in other sections should also be followed.

2.8 Transporting Safety

Refer to “7. Transporting” on page 21 for safety recommendations related to traveling with a machine and attachment on a public roadway. All applicable safety recommendations in other sections should also be followed.

2.9 Storage Safety

Refer to section “8. Storage” on page 22 for safety recommendations related to storing the attachment. All applicable safety recommendations in other sections should also be followed.

2.10 Maintenance Safety

Refer to section “9. Maintenance” on page 23 for safety recommendations related to maintaining the attachment. All applicable safety recommendations in other sections should also be followed.

2.11 Training

Norden Mfg LLC follows the general Safety Standards specified by the Farm Equipment Manufacturers Association (F.E.M.A.), and the American National Standards Institute (ANSI). Anyone who will be using and/or maintaining the attachment must read and clearly understand ALL safety, operation, and maintenance information presented in this manual, other related OEM machine manuals, and the safety decals.

If you do not understand any information in this manual, see your dealer or contact Norden Mfg LLC before proceeding.

Do not use or allow anyone else to use this attachment until all information has been reviewed. Annually review this manual before the season start-up.

Make periodic reviews of SAFETY and OPERATION a standard practice. An untrained operator is not qualified to use this attachment.

2.12 Authorization / Training Sign-Off Form

The authorization and training sign-off form is provided for your records to show that all personnel who will be working with the attachment have read and understand the information in this Operator Manual and have been trained in the operation of the machine the attachment is connected to. The user and the owner should both sign and date the form to indicate acceptance of the risk of using the attachment.

3. Safety Decals and Labels

3.1 General Information

The types of safety decals (hazard labels) and instructional labels, along with their locations on the attachment are shown in the following illustrations. Good safety practices require that you familiarize yourself with the various safety decals, the type of warning, and the area or particular operation related to that area that requires your SAFETY AWARENESS.



Think SAFETY!

Work SAFELY!

Pay close attention to the safety decals and instructional labels attached to the machine and attachment. The safety decals affixed on the attachment are reproduced in this section. If the attachment is missing a label or one is unreadable, replace the label before using the attachment.

SAFETY INSTRUCTIONS



Safety Decals and Instructional Labels

1. **Keep safety decals or instructional labels clean and legible at all times. Use a clean, damp cloth to clean safety decals.**
2. **Replace any missing or hard-to-read safety decals or instructional labels.**
3. **Use care when washing or cleaning the attachment not to remove or damage the decals. When using a pressure washer to clean the attachment, avoid spraying too close to decals; high-pressure water can enter through very small scratches or under edges of decals causing them to peel or come off.**
4. **Locations for the decals and replacement part numbers are shown in this section.**
5. **Replacement parts must have replacement decals attached before the attachment is used.**
6. **Decals are available from your authorized dealer or from Norden Mfg LLC at no charge.**

Contact Information

For replacement decals, contact:

Norden Mfg LLC
4210 Kinsman Road NW
North Bloomfield, OH 44450

Phone: 877-296-5851
Fax: 440-693-4336
E-mail: parts@nordenmfg.com

3.2 How to Install Replacement Safety Decals

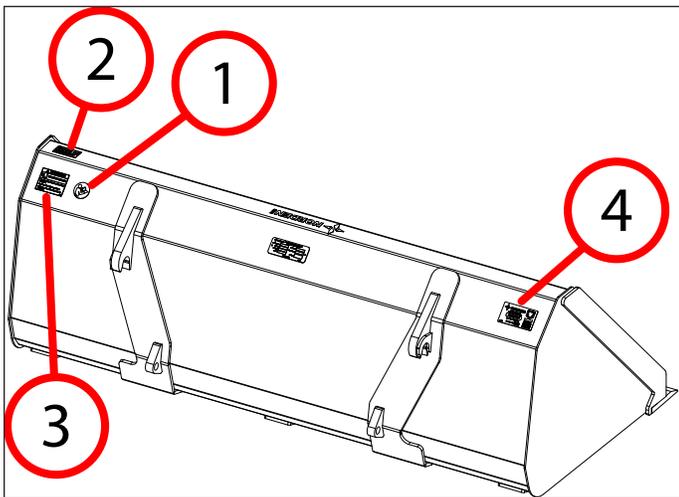
1. Clean and dry the installation area.

Note: Do not install the decals if the temperature is below 50°F.

2. Determine the exact position before you remove the backing paper.
3. Remove the backing paper.
4. Align the decal or label over the specified area and carefully press the sign to the part/frame.

Note: Small air pockets can be pierced with a pin and smoothed out using the piece of backing paper or plastic card.

3.3 Safety Sign Locations



Item	Type	Description	Qty.
1	INFORMATIONAL	Read the Manual	1
2	WARNING	No Riders	1
3	WARNING	Falling Hazard	1
4	INFORMATIONAL	Mfg Placard	1



3.

WARNING — Falling Hazard



4.

INFORMATIONAL — Manufacturer Placard

3.4 Safety Decals



1.

INFORMATIONAL — Read the Manual



5.

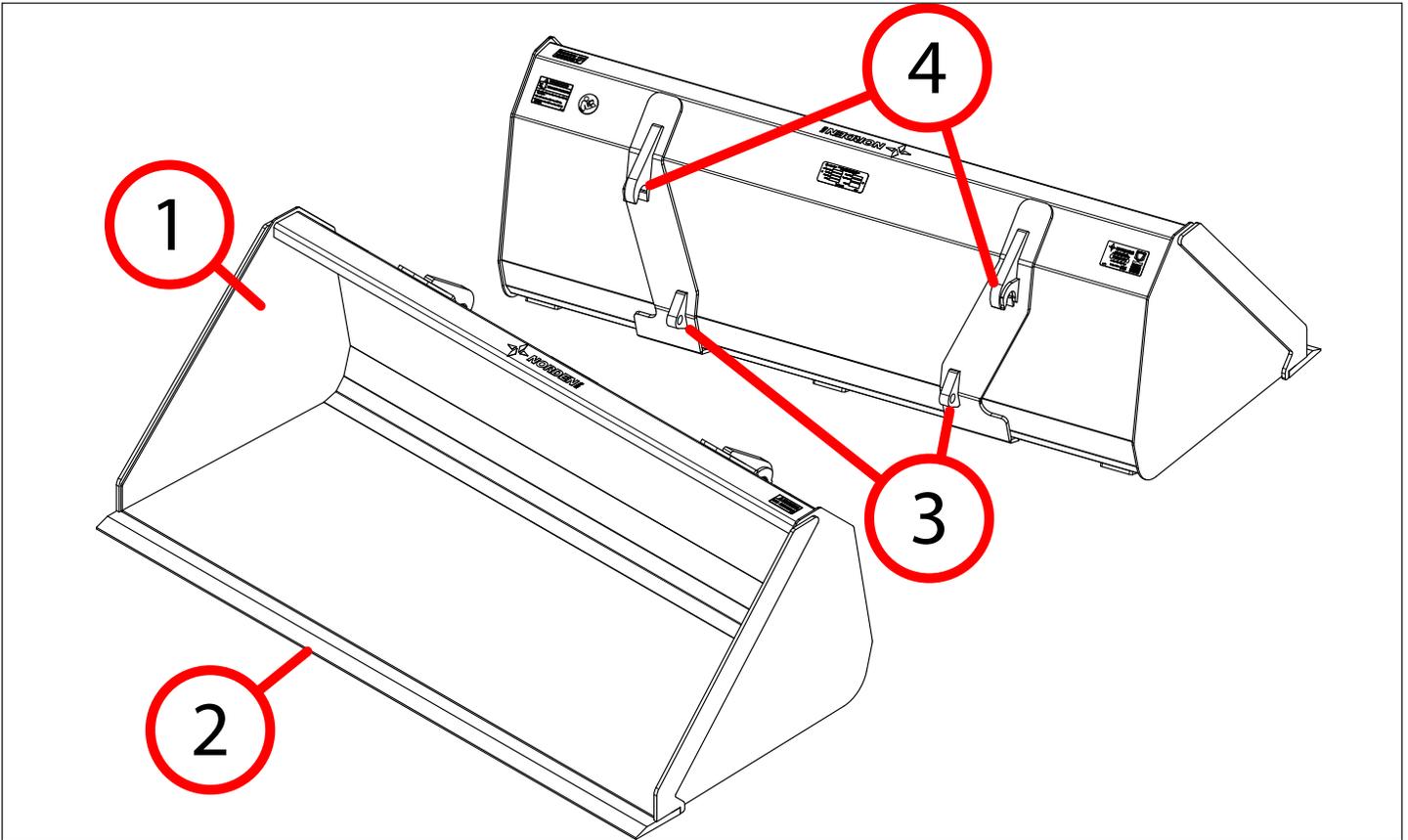
WARNING — Pin Engagement



2.

WARNING — No Riders

4. Nomenclature



Item	Description
1	Loader Bucket
2	Cutting Edge
3	Attachment Eyes
4	Attachment Hooks

5. Assembly and Setup

5.1 Assembly Process

The loader bucket comes fully assembled from the factory.

NOTICE

Confirm Proper Ballast

For light weight utility tractors, consult the Tractor Operator's Manual to determine if rear ballast is required for heavy loads to maintain steering control.

6. Usage

6.1 User Safety

Refer to “2.4 General Safety” on page 8 for additional safety information.

6.1.1 Machine Operation Recommendations

WARNING



Roll Away Hazard

Before leaving the operator’s seat, make

sure the engine is stopped, the transmission is placed in park, the key is removed, and the parking brake is set.



Crush Hazard

The weight of the machine, plus the attachment, if it rolls onto a person, could cause serious crushing injury or death.



Entanglement Hazard

If using a small compact or utility tractor, keep hands and clothing clear of any rotating parts. Stay clear of the attachment while the machine is moving.

SAFETY INSTRUCTIONS

The following safety instructions are provided to help prevent injury or limit attachment damage.

-  *It is the owner’s responsibility to make sure any person using a machine with the attachment, especially if it is loaned or rented, has been thoroughly trained on its proper and safe use.*
-  *Be certain only physically-able persons will use the attachment.*
-  *Users who have not read and understood all operating and safety instructions are not qualified to use the attachment.*
-  *If the elderly are assisting with the work, their physical limitations need to be recognized and accommodated.*
-  *Never allow children to use the attachment.*

 *Be especially observant of the operating area and terrain – watch for loose fill, holes, rocks or other hidden hazards. Always inspect the area prior to operation.*

 *Be careful at the edge of ditches or gullies. Be careful when working on inclines.*

 *Do not use excessive speed when moving loads.*

 *Allow for attachment length when making turns.*

6.1.2 Machine Requirements

WARNING



Machine Operator Manual

Always refer to the machine’s operator manual to ensure compatibility and maximum safety.

The machine must be equipped with a front-end loader with Euro attachment mounting style rated to lift the attachment which can weigh up to 653 pounds plus the weight of the load.

SAFETY INSTRUCTIONS

-  *Do not use an oversized machine; the loader buckets are intended to be used on machines rated up to 140 HP or a 3500 pound operating capacity.*
-  *Using the attachment with a machine that exceeds the specified requirements may cause machine or attachment damage, be a potential danger to the operator or bystanders, and will void any warranty.*
-  *Always review the “controls” section of the machine’s Operator Manual to be familiar with the location, settings, and function of the controls. Be familiar with all controls before using this attachment.*

6.2 Machine Specifications

This section is provided to give the operator general safety information for the machine. Always follow the OEM instructions given in the operator’s manual for the machine.

WARNING



Rollover Hazard

To avoid serious injury or death from falling, runover, rollover, or crushing, the machine must have an approved Roll-Over Protective Structure (ROPS) or ROPS cab and seat belt.

1. The machine must be equipped with an approved Roll-Over Protective Structure (ROPS) or ROPS cab and seat belt.
 - a. If equipped with a folding ROPS structure, keep it locked in the UP position.
 - b. Only operate the machine when seated in the operator seat.
 - c. Always fasten seat belt whenever the machine is moving.
2. If working around dry grass or vegetation, to reduce the risk of fire, do not use a machine with an under-frame exhaust.
3. If the machine must travel on a public roadway, follow guidance given in “7. Transporting” on page 21.
4. Maintain all manufacturer’s safety shields and guards

6.3 Attaching to Machine

WARNING



Pinch Point Hazard

Use caution when connecting the attachment to the machine. Keep hands and feet from under the attachment and clear of pinch points between bucket and machine. Do not allow anyone to stand between the machine and loader bucket during attachment process.

1. Ensure there are no potential unintended collisions between the attachment and the loader before connecting them for the first time.
2. Tilt the tool carrier forward completely to angle the carrier arms downward toward the attachment. Position the tool carrier an inch below the attachment hooks.
3. Drive the machine forwards slowly, centering the carrier arms between the hooks on the attachment.

4. When the tool carrier makes contact with the attachment, raise the loader arms to engage both hooks of the attachment on the tool carrier.
5. Roll the tool carrier back toward the machine.
6. If equipped, the hydraulic or electronic powered locking pins can be engaged. In this case; skip Steps 7, 8, and 9.
7. If your loader requires manual locking, perform a full roll back to automatically lock the attachment onto the tool carrier.
8. If your loader requires a fully manual locking process:

WARNING



Roll Away Hazard
Before leaving the operator’s seat, make sure the engine is stopped, the transmission is placed in park, the key is removed, and the parking brake is set.

- a. Raise the back of the attachment slightly off the ground and angle it back to apply pressure against the stops.
- b. Shut off the machine.
- c. Apply the parking brake.
- d. Manually lock the attachment to the carrier assembly.

WARNING



Injury Hazard

To avoid serious injury or death caused from falling attachment: lock pins must completely engage attachment eyes.



Crush Hazard

Do not stand under raised attachment.

9. If equipped, the attachment’s locking lug will impact/push aside the Click-on system on the tool carrier, automatically locking the attachment in position. The lock lever is released and moves to the “locked attachment” position.
10. Raise the loader arms until the tool carrier is clearly visible from the driver’s cab. Inspect alignment and verify positioning.

11. Pay attention to the tool carrier lock indicators, which may differ depending on the type of tool carrier installed on the loader. Carefully observe how your specific tool carrier indicates a locked attachment.
12. Before starting work with the loader/attachment, read the “6.4 Pre-Operation Checklist” on page 17 to ensure the attachment is correctly locked onto the loader’s tool carrier:
 - Visually check that the locking lever indicates a locked attachment.
 - Visually check that the tool carrier locking pins are in the locked position.
13. Verify that the attachment is locked in place on the tool carrier by pressing the front of the attachment against the ground.
14. Before using the attachment, the operator must operate it through its full range of motion and confirm that the attachment is secure and safe

6.4 Pre-Operation Checklist

Before each use of the attachment, the following areas should be checked.

Checklist Before Each Use	
<input checked="" type="checkbox"/>	Task
<input type="checkbox"/>	Make sure the attachment is positively attached to the machine. Refer to “6.3 Attaching to Machine” on page 16.
<input type="checkbox"/>	If the machine uses tires, make sure they are inflated properly and the lug nuts are tight.
<input type="checkbox"/>	Inspect the tires of the machine for full operational reliability. Failure of the tires could result in damage to the machine, load, or attachment.
<input type="checkbox"/>	Visually inspect the attachment for any worn parts or cracked welds. Make necessary repairs before using the loader bucket attachment.
<input type="checkbox"/>	Make sure the loader bucket is not bent or cracked.
<input type="checkbox"/>	Make sure the operating area is clear, especially of children and animals.

6.5 Usage

Before using the attachment, the operator must have a complete understanding of how to operate the machine including all controls, and how to use the attachment.

The operator should read and understand the Safety and Operation Sections of the machine operator’s manual. It is important to note that these manuals must be read and explained to any operator who cannot read. It is crucial to never allow anyone to operate the machine or use the attachment without complete operating instructions.

To ensure safety to the operator, bystanders, and equipment, the operator must become familiar with the surrounding work area and any obstacles and hazards contained within before starting any operation. Special attention should be paid to foreign debris, rough terrain, steep slopes, bystanders, or animals in the area.

If the operator is not already familiar with the process, it is recommended to practice lifting, lowering, maneuvering, and placing a load on a level site until the confidence and skill needed to safely move loads is achieved. It is important to follow the safety operating procedures that are spelled out in this Operator’s Manual.

WARNING

  **Crush Hazard**
When handling loads, improper use of the machine can result in serious injury or death to the machine operator. This could be caused by the contents of the load falling or rolling backwards into the operator’s station. Therefore, it is important to handle loads safely.

CAUTION

 **Tip Over Hazard**
It is important not to exceed 3,500 lbs. or 83% of the lift capacity of the machine. 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, setting up a situation that could cause the load to empty from the bucket

The operator must travel at a safe speed for ground conditions. Travel slowly over rough ground or when making turns. Working on or around slippery or sloped areas could cause the operator to lose control of the machine.

The operator must not allow bystanders, pets, or livestock to approach the danger zone of the working area.

The operator must not leave the machine with the attachment raised off the ground.

6.5.1 Picking Up a Load

1. Before raising loader, for overhead obstructions and wires.

WARNING



Risk of Electric Shock, Crushing, and Ramming.

Be sure to keep a safe distance between the loader and power lines or barn roofs when driving with the raised loader. Do not touch the machine or attachment if they come into contact with a live electric cable. Back the tractor away from the cable or wait until it is de-energized.

NOTICE

Care must be taken to ensure there is enough overhead clearance and no potential hazards or obstructions that could interfere with the lifting and placing of the loads.

2. Verify that the load does not exceed the smaller of the two lift capacities:
 - Rated lift capacity of the attachment.
 - 83% of the rated lift capacity of the machine.

Note: Using 83% of the rated lift capacity accounts for increased loader stresses caused by the extended attachment and ensures proper tire rating.

NOTICE

Prying with the bucket's edge or using the bucket with excessive horsepower can damage the bucket and void its warranty.

3. Center the bucket on the material to be picked up.

WARNING



Before digging

Check for hidden live electrical cables. Do not leave the driver's seat if any part of the tractor, loader, or tool contacts a live electric cable. Avoid touching the machine or attachment and the ground simultaneously. Back the tractor away from the cable or wait until it is de-energized.



Carefully approach the loading area, ensuring no objects will come back into the operator's space, causing serious injury or death.



If working on an uphill slope, drive straight upwards, fill the bucket, and reverse downhill while lowering the loader as far as possible. Avoid driving along the side of a slope to prevent overturning.

SAFETY INSTRUCTIONS

Transport loads at a height that maintains a clear line of sight and keep the load low to the ground when possible to enhance stability.

4. Slowly drive into the pile without ramming the bucket.

WARNING



Bystander Hazard

Keep all bystanders at a safe distance when entering and picking up a load. Objects can shift or be thrown suddenly as the bucket makes contact with the load, causing serious injury or death. Avoid ramming the bucket into a pile as it can damage the attachment.

5. Lift the load of material a short distance and tilt the bucket back before traveling.
6. Confirm that the load is balanced and securely positioned.

Note: Ensure the material is properly secured before traveling. Have good control of the load, releasing and recapturing it if it's not secure.

7. Verify that no animals or bystanders are behind you and that it is safe to reverse.
8. Back the load out of the pile slowly, ensuring it clears all other obstacles.
9. Position the load at a safe, low traveling height before transferring it to the unloading site. It is recommended to keep it two to four inches above the ground

Note: To minimize jerking, stop and start the loader gradually when lowering or lifting loads.

WARNING



Risk of falling.

Do not use the loader or the attachment as a working platform. Do not lift or transport people using the loader or attachment.

WARNING



Avoid standing, walking, or working under or beside a raised loader. Keep everybody, especially children and animals, away from the work area. Always keep an eye on your workplace.



Never carry out work with the attachment that requires another person to be in the work area.

NOTICE

No Chains.

Do not attach chains intended for lifting or securing loads to the attachment, as it may cause damage.

SAFETY INSTRUCTIONS

Always ensure the tractor is properly ballasted before attempting to lift any load with the attachment.

6.5.2 Traveling with a Load

1. Always yield to pedestrians.
2. Tilt the load back slightly, adjusting the tilt angle of the attachment to prevent it from aiming at the driver when the load is raised.
3. Keep the load low, preferably two to four inches above the floor.
4. Continuously scan all sides for bystanders or other traffic.

SI ***Make sure that the work area is clear of children, animals, and other obstacles before using the attachment. This is particularly important in areas with higher noise levels or quiet cabs, as you may not hear people shouting.***

5. Maintain a safe and controlled speed, reduce speed when turning, and avoid sudden braking.
6. Provide adequate clearance while turning to avoid contact between the attachments, load, and obstacles such as storage racks, buildings, trees, or fences.
7. When traveling over ramps or inclines, keep the load on the “uphill” side of the machine.
8. Whenever possible, travel straight on grades,

ramps, and inclines, avoiding turns.

9. Only raise or lower the load when the machine is stopped, not during travel.
10. Reduce speed when traveling over rough or hilly terrain.
11. Do not transport loads on public roadways.
12. If using public roadways, ensure safe transportation to allow faster vehicles to pass.
13. Plan your route to avoid heavy traffic.
14. Keep equipment away from electrical power lines and place orange warning signs under overhead electrical power lines to indicate the danger.

6.5.3 Dumping the Load

1. Bring the machine to a stop in front of the desired location for load placement.
2. Gradually raise the load to the required height.
3. Move the machine forward slowly with the load raised until it is positioned squarely and directly above the final destination.
4. Tilt the front of the bucket down to release the load. If necessary, raise the bucket up to allow the load to fully discharge.
5. Once the load has settled onto the pile, rotate the front of the bucket level.
6. After the load has settled, slowly back up while watching for clearances, pedestrians, and other traffic.
7. Leave enough clearance when turning and/or lowering the bucket to prevent it from making contact with obstacles such as vehicles, buildings, trees, or fences.
8. Lower the bucket to transporting height (low to the ground) before moving again.

6.6 Detaching from Machine

CAUTION



Pinch / Crush Hazard

Use caution when disconnecting the attachment from the machine.

Keep hands and feet from under the attachment and clear of pinch points. Do not allow anyone to stand near the machine or attachment when disconnecting.

1. Move the machine onto a flat, level, solid surface. Lower the attachment slightly above the surface with the hitch angled, front of the loader bucket slightly higher than the rear.
2. If your machine is equipped with hydraulically operated locking pins, retract the coupler lock at this time. In this case; lower the attachment to the ground and skip Steps 3, 4, and 5.
3. Shut down the machine and set the parking brake properly without lowering the attachment.

WARNING



Unintended Movement

Before leaving the

operator's seat, make sure the engine is stopped, the transmission is placed in park, the key is removed, and the parking brake is set.

4. Move the locking lever to disengage the locking pins.
5. Start the engine and lower the attachment to the ground.
6. Tilt the tool carrier forward to allow the tool carrier to clear the hooks on the attachment.
7. Make sure the area is clear of bystanders and animals, then slowly back the machine away from the attachment, ensuring that the tool carrier does not interfere with the attachment.

7. Transporting

7.1 Highway and Transport Safety

This section is provided to give the operator general safety information for the machine. Always follow the OEM instructions given in the operator's manual for the machine.

Refer to "2.4 General Safety" on page 8 for additional safety information.

SAFETY INSTRUCTIONS

SI *Make sure the machine used is in good operating condition according to the OEM user's manual.*

SI  *When traveling on the highway, make sure the machine has a clearly visible "Slow Moving Vehicle" placard.*

SI *Use approved accessory lighting, flags, or other necessary warning devices to protect operators of other vehicles on the highway during daylight and nighttime transport. Various safety lights and devices are available from the OEM of your machine.*

SI *Do not allow anyone to ride on the machine or the attachment.*

SI *Always drive at a safe speed relative to conditions, and ensure that the speed is low enough for an emergency stop. Keep speed to a minimum.*

SI *Reduce speed prior to turns to avoid the risk of overturning.*

SI *Always keep the machine in gear to provide engine braking when going downhill. Do not coast.*

SI *Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc. Plan your route to avoid heavy traffic.*

SI *Travel on roadways in such a way that faster moving vehicles can pass safely.*

SI *Always travel with the attachment in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the attachment when making turns, stopping, etc.*

7.2 Pre-transport Checklist

1. Before transporting, make sure the maintenance on the machine is current.
2. If applicable, check the tire pressures on the machine, and correct if necessary.
3. Make sure the attachment is securely attached to the machine. Always inspect the attachment and frame for damage or abnormal wear before attaching.
4. Prior to traveling on a public road, have an observer confirm all running lights, brake lights, turn signals, and hazard lights are working on the machine.
5. Verify the brakes are operating correctly.

8. Storage

Refer to “2.4 General Safety” on page 8 for additional safety information.

CAUTION



Stay Clear

Do not permit anyone, especially children to play on or around the stored attachment. Store the attachment in an area away from human activity.

SAFETY INSTRUCTIONS

SI *Do not store the attachment where it will be exposed to livestock. Damage and livestock injury could result.*

8.1 Placing in Storage

1. Thoroughly wash the attachment with a pressure washer or water hose to remove all loose dirt, mud, or debris.
2. Select an area that is dry, level, and free of debris (inside a building is ideal). Move the attachment to its storage area.
3. Follow instructions in “6.6 Detaching from Machine” on page 20.

8.2 Removing from Storage

1. Attach the attachment to the machine following the procedure in section “6.3 Attaching to Machine” on page 16.
2. Before placing the attachment back into service, replace any worn or defective parts and perform the “6.4 Pre-Operation Checklist” on page 17.

9. Maintenance

Good maintenance is the owner's and operator's responsibility. Poor maintenance shortens attachment life and is an invitation for problems.

Norden Mfg LLC will not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of their use.

If the attachment has been altered in any way from its original design, Norden Mfg LLC does not accept any liability for injury or warranty.

9.1 Maintenance Safety

WARNING



Unintended Movement

If the attachment is attached to a machine, make sure the engine is stopped, the transmission is placed in park, the key is removed, and the parking brake is set.



Personal Protection Equipment

Wear personal protection equipment (PPE), which may include safety glasses, safety shoes, gloves, etc. appropriate for the work site and working conditions.



No Unauthorized Modifications

Do not modify the attachment or safety devices. Unauthorized modifications may impair the function of the attachment, or create safety hazards, and will void the warranty. If the attachment has been altered in any way from the original design, Norden Mfg LLC does not accept any liability for injury or warranty.



Damaged Parts Hazard

Do not use the attachment if any parts are damaged. If the attachment is believed to have a defect which could cause it to work improperly, immediately stop using it and remedy the problem before continuing.



Unintended Consequences

Do not weld on the attachment. Doing so will cause a stress point which will result in failure of the attachment.

WARNING



Crush Hazard

Always set the attachment on blocks or on the ground when performing maintenance.



Good Working Condition

Keep all parts in good working condition and properly installed. Fix damage immediately. Replace worn or broken parts.



OEM Replacement Parts

If replacement parts are necessary, genuine factory replacement parts must be used to restore the attachment to its original specifications. Unapproved parts could create a safety hazard. Norden Mfg LLC will not accept responsibility for damages as a result of the use of unapproved parts.

9.2 Practice Safe Service Procedures

CAUTION



Understand service procedures before doing any work. Keep the work area clean and dry.



Keep all parts in good working condition and properly installed. Replace worn or broken parts immediately.



A first aid kit should be readily accessible while performing maintenance on the attachment.



Do not leave tools lying around the work area. Follow good shop practices. Keep service area clean and dry. Be sure electrical outlets and tools are properly grounded. Use adequate light. After servicing, be sure all tools, parts and service equipment are removed.



Use the correct tools, jacks, hoists, or other components that have the capacity for the job.

9.3 Welding Repairs



Before performing any type of welding repair to the attachment, contact Norden Mfg LLC for approval. Repair welding must be done with care and with procedures that may be beyond the capabilities of the ordinary welder.

WARNING



Personal Injury Hazard

Repairs or modifications to the attachment could result in serious injury or death to the operator or bystander should these repairs fail.

NOTICE

Anyone performing a welding repair should be certified in accordance to the American Welding Society (AWS) standards.

9.4 Service Record

The service period recommended is based on normal operating conditions. Severe or unusual conditions may require more frequent service.

Copy this page to continue record.

Hours and Serviced By													
Maintenance													
Every 8 Hours of Use													
Visually inspect the cutting edge for hairline cracks.													
Annually													
Inspect and replace damaged safety decals or instructional labels.													
Wash the attachment.													
Inspect attachment frame for cracking or damage.													

10. Parts Section

10.1 Ordering Parts

Norden Mfg LLC manufactures a quality product that requires very little maintenance or repair. However, should a part break or become damaged, our knowledgeable staff can make sure you receive the part(s) to put your attachment back into operation.

10.2 Contact Information

For replacement decals, questions, or to order parts, contact:

Norden Mfg LLC
4210 Kinsman Road NW
North Bloomfield, OH 44450

Phone: 877-296-5851
Fax: 440-693-4336
E-mail: parts@nordenmfg.com

10.3 Safety Decals and Instructional Labels

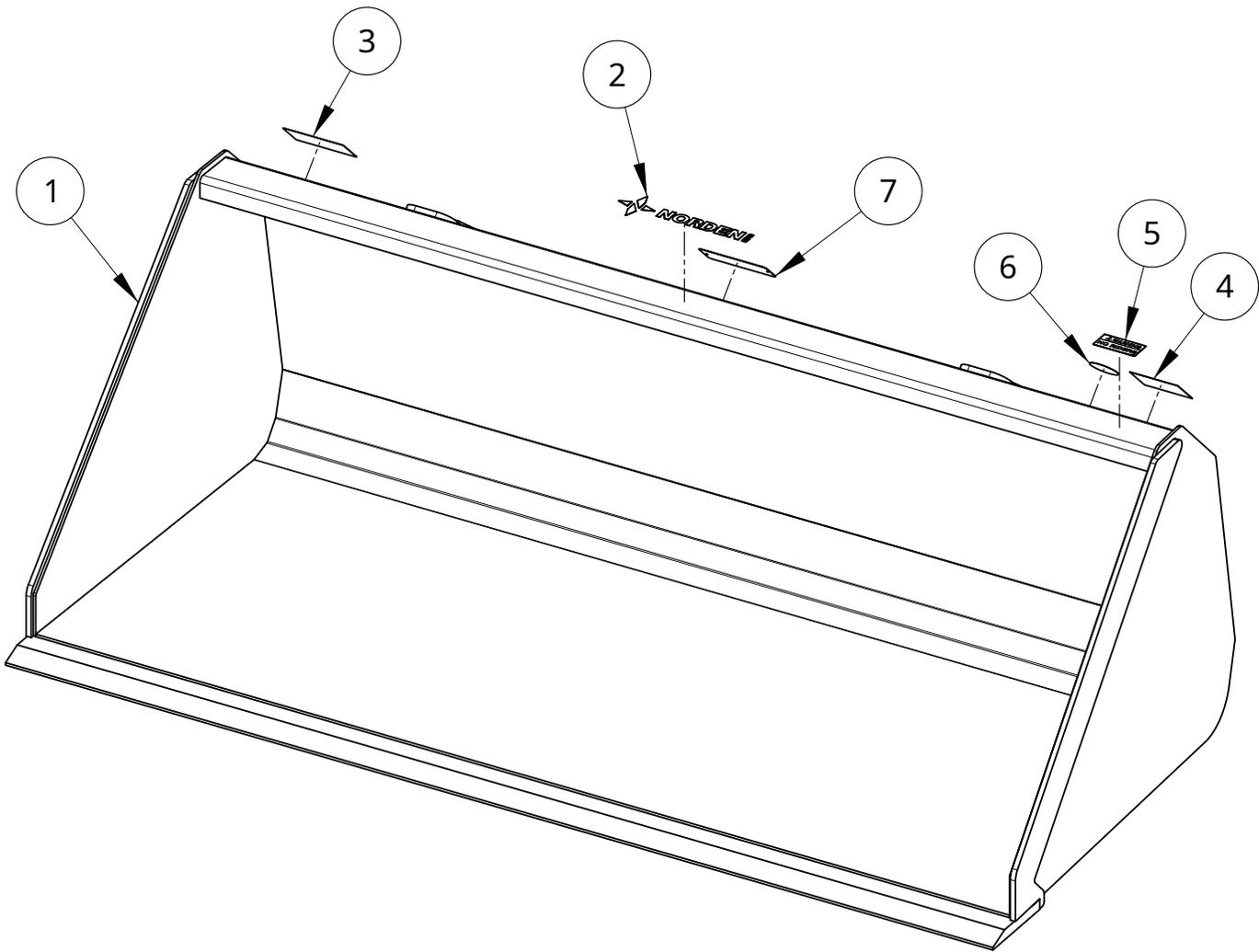
Safety decals and instructional labels provide a vital role in helping to reduce injuries and/or possibly even death. To ensure the greatest level of safety, all decals must be in place and legible or all warranties are void. Remember, it is the user's responsibility to maintain these decals and labels.

WARNING



To prevent serious injury or death which could result from not following posted safety instructions, make sure all decals are attached to any replacement part.

10.4 EB Parts Detail



Item	Quantity	Part number	Name	Finish
1	1		Euro Bucket Weldment	Black
2	1	1014760	Norden Logo 1"	
3	1	1027180	Decal - Manufacturing Small	
4	1	1028640	Decal - Falling Hazard	
5	1	1028630	Decal - Warning No Riders	
6	1	1024330	Decal - Read Manual	
7	1	1027460	Data Plate	

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This is an example of a positive negative.

Fun Fact: Books like this are sized in multiples of four pages. This is because a single piece of 11" x 17" paper yields four sides of 8 1/2" x 11" paper.



NORDEN MFG

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