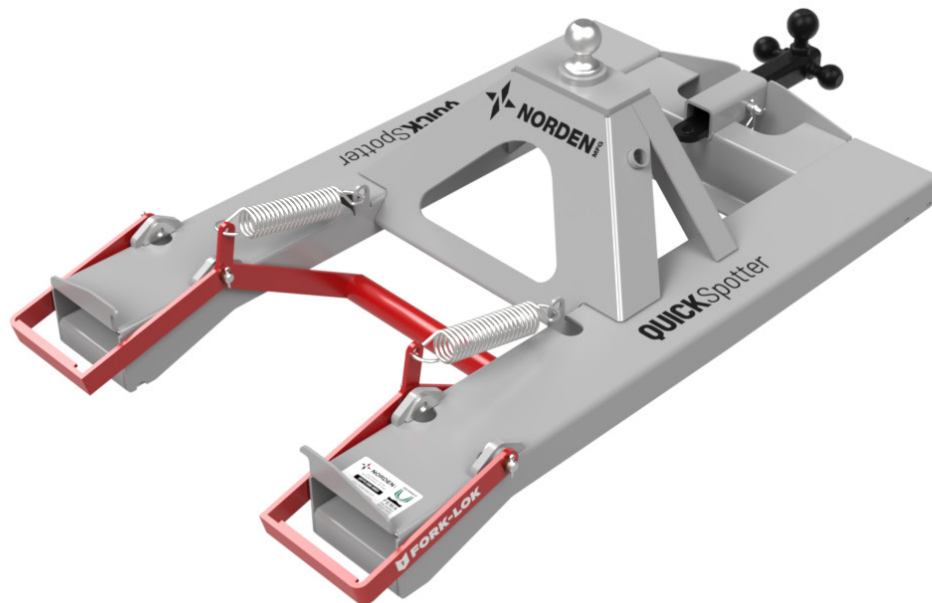




Owner's Manual

QuickSpotter



MADE IN THE USA 

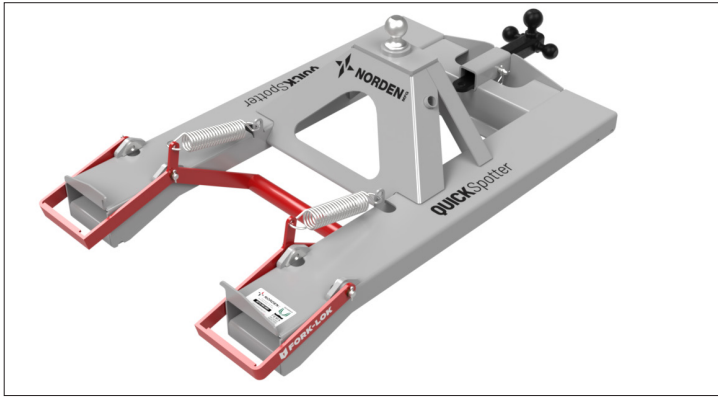
Read, Understand, and Follow the manual. This manual provides information and procedures to safely operate and maintain the QuickSpotter.



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1. Introduction



The QuickSpotter is designed to move trailers, boats, wagons, etc. around your facility more efficiently. With Fork-Lok technology, this mechanism allows you to lock in the QuickSpotter without getting on and off your machine.

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

NOTE: The specific term “QuickSpotter” will be referred to simply as “unit” throughout the rest of this manual. The term forklift or skid steer loader will be referred to as “machine” throughout this manual.

1.1 Intended Usage

Do not use this unit for any other purpose than its intended use of moving trailers etc. around your property.

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 are subject to change without notice.

Overall Approximate Width	33”
Overall Approximate Length	59”
Overall Approximate Height	17”
Overall Approximate Weight	158 lbs

1.4 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 units previously sold.

1.5 Disposal of Equipment at End of Useful Life

The Fork-Lok QuickSpotters are designed for the specific purpose of moving trailers and/or equipment. When this unit is no longer capable of performing its intended use, it should be dismantled and scrapped. Do not use any materials or components from this unit for any other purpose.

1.6 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 Safety

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 operate and maintain the unit, you must be alert to potential hazards. You should also have the necessary training, skills, and tools to perform any assembly or maintenance procedure.

WARNING

Improper operation and/or maintenance of this unit could cause a dangerous situation that results in injury or death.



Do not use the unit until you read and understand the information contained in this manual and all related equipment manuals.



Safety precautions and warnings are provided in this manual and on the unit. If these hazard warnings are not heeded, 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 unit will not be damaged or be made unsafe by the 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.

Safety Alert Symbols



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

This manual contains WARNINGS, CAUTIONS, IMPORTANT NOTICES, and NOTES which must be followed to prevent the possibility of improper service, damage to the equipment, personal injury, or death. The following key words call the readers attention to potential hazards.

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

WARNING

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

CAUTION

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

NOTICE

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

SAFETY INSTRUCTIONS

Safety instructions (or equivalent) signs indicate specific safety-related instructions or procedures.

NOTE: Contains additional information important to a procedure.

2.2 Safety Icons Nomenclature

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

2.2.1 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 signs
-  Place in park
-  Remove key
-  Stop engine
-  Visibility - slow moving vehicle (SMV)
-  Set parking brake

2.2.2 Prohibited Actions

-  Do not alter or modify
-  Do not leave out tools
-  Do not weld
-  No riders

-  No children
-  No alcohol
-  No drugs

2.2.3 Hazard Avoidance

-  Crushing hazard
-  Crushing hazard
-  Slipping hazard
-  Tripping hazard
-  Falling hazard
-  Hose damage hazard
-  Explosive separation hazard
-  Safety alert symbol
-  Release all pressure (zero pressure)
-  Trapped air pressure hazard
-  Trapped pressure hazard
-  High-pressure fluid hazard
-  Defective or broken part
-  Falling hazard
-  Maintain safe distance
-  Pinch point hazard
-  Crush hazard
-  Rollover hazard

2.3 General Operating Safety

WARNING

Failure to comply to these safety instructions could result in serious injury or death.



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 unit was designed for a specific application; **DO NOT** modify or use this unit for any application other than which it was designed. Units operated improperly or by untrained personnel can be dangerous! Inexperienced operators should receive instruction from someone familiar with the equipment before being allowed to operate the unit.



Do Not Operate

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



Fall Hazard

Do not use the unit as a platform. Do not stand on top of the unit at any time. Do not ride on the unit or allow others to ride on it.



Pinch Point Hazard

Keep hands and feet away from any moving parts to prevent them from getting pinched.



Impaired User Hazard

Do not attempt to assemble, operate, or maintain the unit under the influence of drugs or alcohol. Consult your doctor before using the unit while taking prescription medications.



CRUSH HAZARD

DO NOT GO UNDER THE UNIT FOR ANY REASON.



Stay Clear

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

2.4 Safety Signs

CAUTION



Legible Safety Signs

Keep safety signs clean and legible at all times. Replace any safety sign or instruction sign that is missing or not legible. Refer to the Safety Sign Location section for additional information

When replacing parts that displayed a safety sign, replace the safety sign as well.

Replacement safety signs (labels) are available from your authorized Dealer Parts Department or the factory at no cost.

2.5 Practice Safe Maintenance

SAFETY INSTRUCTIONS



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.



Do not modify the unit or its safety devices. Do not weld on the unit. Unauthorized modifications may impair its function and safety.

2.6 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 scraper must read and clearly understand ALL safety, operation, and maintenance information presented in this manual, accessory or tractor, and the safety signs. 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 unit 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 unit.

2.7 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 unit have read and understand the information in this Owner’s Manual and have been trained in the operation of the unit. The user and the owner should both sign and date the form to indicate acceptance of the risk of using the unit.

Authorization / Training Sign-Off Form		
Date	User’s Signature	Owner’s Signature

3. Safety Signs and Decals

3.1 General Information

The types of safety signs (hazard labels) and instructional labels, along with their locations on the equipment, are shown in the following illustrations. Good safety practices require that you familiarize yourself with the various safety signs, 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 signs and instructional labels attached to the machine and unit. The safety signs attached to the unit are reproduced in this section. If the unit is missing a label or one is unreadable, replace the label before using it.

SAFETY INSTRUCTIONS



Safety Signs and Instructional Labels

Keep safety signs or instructional labels clean and legible at all times. Use a clean, damp cloth to clean safety decals.

- Replace any missing or hard-to-read safety signs or instructional labels.
- Use care when washing or cleaning the equipment. Make sure not to remove or damage the labels. When using a pressure washer to clean the unit, 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.
- Locations for the labels and replacement part numbers are shown in this section.
- Replacement parts must have replacement labels attached before the unit is used.
- Labels are available from your authorized dealer or from Norden Mfg LLC at no charge.

3.2 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

3.3 How to Install Replacement Safety Signs

Clean and dry the installation area.

NOTE: Do not install the signs if the temperature is below 50°F.

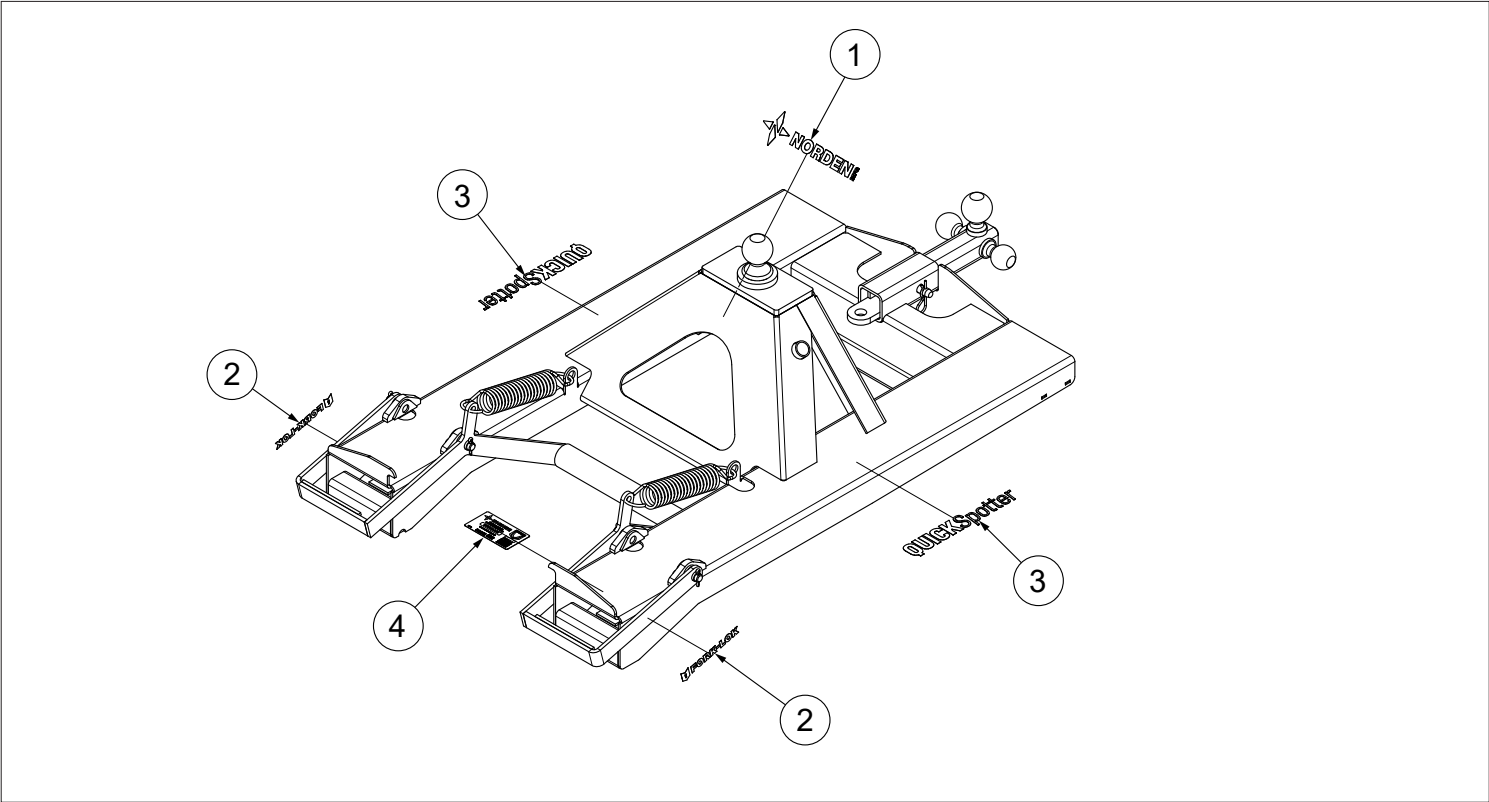
Determine the exact position before you remove the backing paper.

Remove the backing paper.

Align the sign 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.

3.4 Safety Sign and Decal Locations



ITEM	PART NUMBER	DESCRIPTION	QTY
1	1021220	Decal - Norden logo, 1", black	1
2	1025220	Decal - Fork-Lok, white	2
3	1025210	Decal - QuickSpotter, black	2
4	1027180	Decal - Manufacturing Small	1

1. 1021220 Decal - Norden Logo, 2.79, black

3. 1025210 Decal - QuickSpotter, black



2. 1025220 Decal - Fork-Lok, white

4. 1027180 Decal - Manufacturing Small





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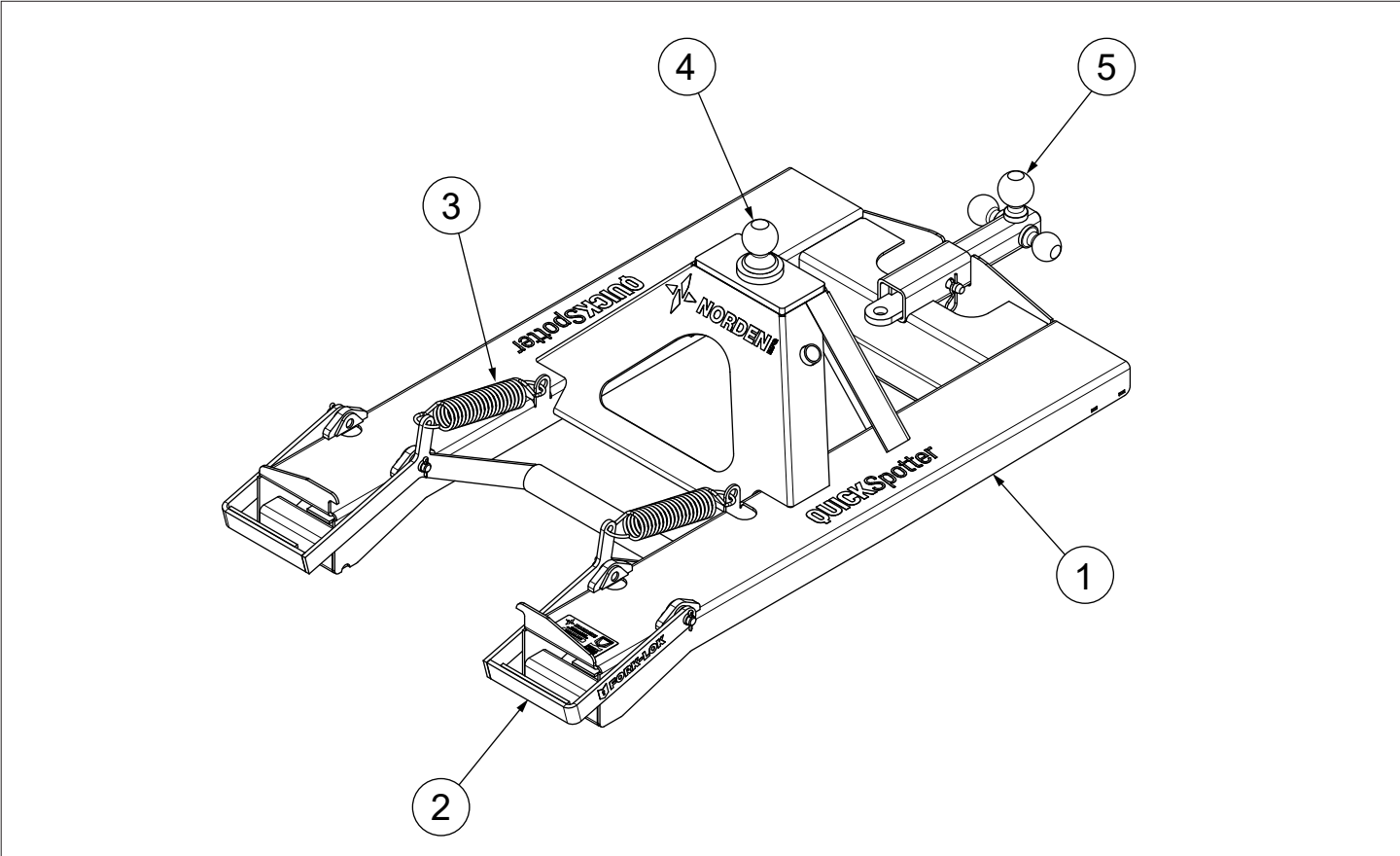
MEMBER



FEMA
FARM EQUIPMENT
MANUFACTURERS
ASSOCIATION

1027180

4. Nomenclature



Item	Description
1	Frame
2	Lock bar
3	Spring
4	Trailer Mover Hitch Ball
5	Trailer Mover Tri-Ball

5. Operation

5.1 User Safety

Refer to “2.3 General Operating Safety” on page 7 for additional safety information.

WARNING

Failure to comply to these safety instructions **COULD** result in death or serious injury.



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 unit, if it rolls onto a person, could cause serious crushing injury or death.

SAFETY INSTRUCTIONS

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



It is the owner's responsibility to make sure any person using the unit, 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 unit.



Users who have not read and understood all operating and safety instructions are not qualified to use the unit.



If the elderly are assisting with the work, their physical limitations need to be recognized and accommodated.



Never allow children to operate the unit.



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.

5.2 Attaching to the machine.

1. Securely seated in your machine approach the unit and place forks all the way into the unit.



2. Lifting the forks will automatically engage the Fork-Lok bar to lock onto the forks of your machine.



5.3 Attach using Gooseneck Hitch

Approach gooseneck trailer and align 2 5/16" gooseneck ball to easily spot in the yard for optimal loading or storage.



5.4 Attach using Tri-Ball Hitch

Remove clevis pin to rotate tri-ball hitch to place desired ball facing up, replace pin. Move nearly any type of bumper or clevis style wagon or trailer around the yard.

Scan this QR code to see how easy it is to use the Fork-Lok Quick Spotter.



Or you can go to our website at www.nordenmfg.com to learn more.

5.5 Detach from the machine.



Use caution when placing unit on the ground. Be aware of bystanders and place unit on level ground.

To detach, simply lower the unit to the ground. The Fork-Lok bar will automatically unlock the forks, then carefully back forks out of unit.

6. Storage

SAFETY INSTRUCTIONS



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

⚠ CAUTION



Stay Clear

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

6.1 Placing in Storage

- Wash the unit with a pressure washer or water hose to remove all loose dirt or debris. Be sure to follow safety instructions in “3. Safety Signs and Decals” on page 9 to avoid damage of important decals.
- Select an area that is dry, level, and free of debris (inside a building is ideal). Move the unit to its storage area.
- Lower the unit to the ground or onto blocks.

6.2 Removing from Storage

- Attach the unit to the machine following the procedure in section “5.2 Attaching to the machine.” on page 12.
- Before placing the unit back into service, replace any worn or defective parts.

7. Maintenance

Good maintenance is the owner's and operator's responsibility. Poor maintenance shortens the unit's 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.

7.1 Maintenance Safety

WARNING



Roll Away Hazard

Before working on this unit, make sure the machine engine is stopped, the transmission is placed in park, the key is removed, and the parking brake is set.



Personal Protection Equipment

Wear proper fitting and belted clothing to avoid getting caught in moving parts. Wear personal protection equipment (PPE), which may include safety glasses, safety shoes, gloves, etc. appropriate for the work site and working conditions.



Damaged Parts Hazard

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



No Unauthorized Modifications

Do not modify the unit or safety devices. Do not weld on the unit. Unauthorized modifications may impair the unit's function, or create safety hazards, and will void the warranty. If the unit has been altered in any way from the original design, the manufacturer does not accept any liability for injury or warranty.



Crush Hazard

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

WARNING



Good Working Condition

Keep all parts in good 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 unit to its original specifications. Unapproved parts could create a safety hazard. The manufacturer will not accept responsibility for damages as a result of the use of unapproved parts.

7.2 Practice Safe Service Procedures

CAUTION



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



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



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 tools that have the capacity for the job.

7.3 Bolt Torque Requirements

WARNING



Equipment Failure

The proper torque value for bolts and cap screws is identified by their head markings. Replacing higher "grade" bolts (Grade 5) with lower grade bolts will lead to equipment failure and could result in injury or death. Always use replacement bolts with the same grade markings as the removed bolt.

It is extremely important to apply and maintain proper torque on all bolts. Use a torque wrench to assure the proper amount of torque is being applied to the fastener. Start all bolts or nuts by hand to prevent cross-threading.

Torque figures indicated in the chart are used for non-greased or non-oiled threads unless otherwise specified. Therefore, do not grease or oil bolts or cap screws unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

The chart gives correct torque values for various bolts

and cap screws. Tighten all bolts to the torque specified in the chart unless otherwise noted. Check tightness of bolts periodically, using the bolt torque chart as a guide. Always replace hardware with the same grade bolt.

7.4 Welding Repairs



Before performing any type of welding repair to the unit, 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 unit could result in serious injury or death to the operator or bystander should these repairs fail.

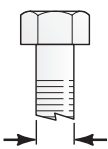
NOTICE

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

7.5 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.

Bolt Diameter 	English Bolt Torque Specifications					
	Grade 5  3 Radial Lines Grade 5		Grade 8  6 Radial Lines Grade 8		ASTM A574  Socket Head Cap Screw	
	ft.lbs.	N·m	ft.lbs.	N·m	ft.lbs.	N·m
1/4"	9	12	12	17	14	18
5/16"	19	25	27	36	29	38
3/8"	33	45	45	63	51	69
7/16"	53	72	75	100	81	109
1/2"	80	110	115	155	124	168
9/16"	115	155	165	220		
5/8"	158	215	220	305	238	322
3/4"	290	390	398	540	423	573
7/8"	420	570	650	880	682	924
1"	630	850	970	1320	1022	1385

Hours and Serviced By														
Maintenance														
After Each Use														
Inspect the mounting points for damage.														
Visually inspect bolts for wear and damage.														
Annually														
Make sure all fasteners are tightened to proper torque. Refer to "7.3 Bolt Torque Requirements" on page 15.														
Inspect frame for cracking or damage.														

8. Parts Section

8.1 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 the unit back into operation.

8.2 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

8.3 Decals

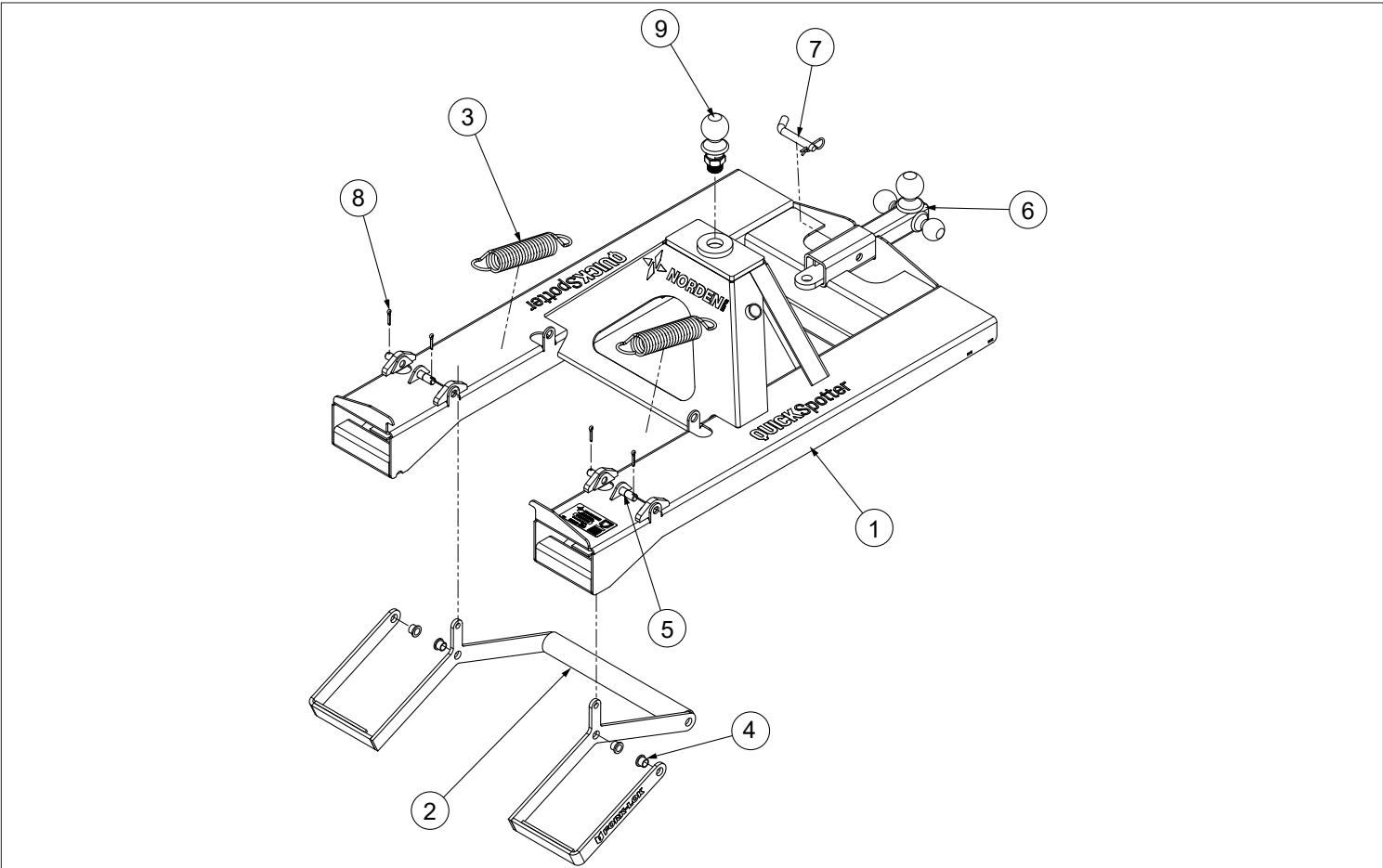
Safety decals provide a vital role in helping to reduce injuries and/or possibly even death. To ensure the greatest level of safety, all decals must be in place and legible or all warranties are void. Remember, it is the user's responsibility to maintain these decals.



To prevent serious injury or death which could result from not following posted safety instructions, make sure the correct safety sign is attached to all replacement

parts.

8.4 QuickSpotter Parts Detail



Item	Part Number	Name	Qty
1	1018180	Main weldment assembly	1
2	1018080	Lock weldment	1
3	1018120	Trailer Mover Spring	2
4	1018060	Trailer mover bronze flange bushing	4
5	1018070	Pivot pin weldment subassembly	4
6	1018250	Trailer mover tri ball hitch weldment	1
7	1018200	Receiver hitch pin, 5/8" x 3"	1
8	1018210	Cotter pin	4
9	1018110	Trailer mover 2 5/16" hitch ball	1



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