

OWNER'S/ OPERATOR'S MANUAL

MODEL NO.'s

UBSF-1832

UBSF-1535

UBSF-3042

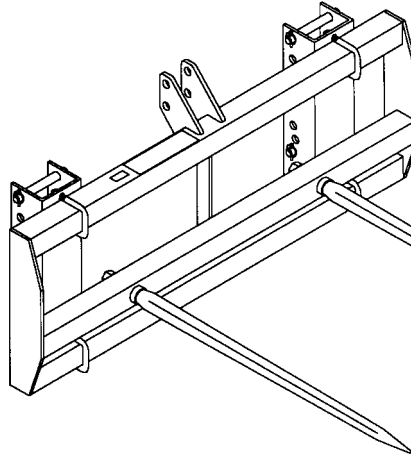
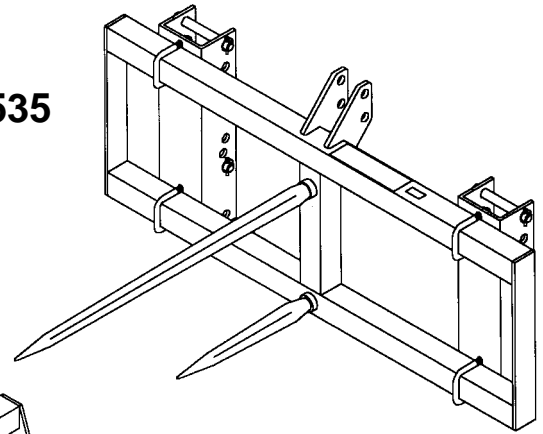
UBSF-3045

CAUTION

For Safe Operation
Read Rules And
Instructions Carefully

SINO LEEINGLES, PIDA AYUDA
A AIGUIEN QUE SI LO LEA
PARA QUE LE TRADUZCA LAS
MEDIDAS DE SEGURIDAD.

UBSF-1535



UBSF-3045

BALE SPEAR ATTACHMENTS

**Safety Instructions
Assembly & Mounting
Operating Instructions**

**Maintenance
Repair Parts**

CAUTION

THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE THOROUGHLY UNDERSTOOD BEFORE ATTEMPTING TO BEGIN ASSEMBLING THIS MACHINE

1. Select an area for assembly that is clean and free of any debris which might cause persons working on the assembly to trip.
2. Do not lift heavy parts or assemblies. Use crane, jack, tackle, fork trucks or other mechanical devices.
3. Preview the assembly instructions in your operator's manual before proceeding further.
4. If the assembly instructions call for parts or assemblies to be blocked up, use only blocking material that is in good condition and is capable of handling the weight of the assembly to be blocked. Also insure that the blocking material is on a clean, dry surface.
5. Never put hands, or any part of body, under blocked up assemblies if at all possible.
6. After completing assembly, thoroughly inspect the machine to be sure that all nuts, bolts, hydraulic fittings or any other fastened assemblies have been thoroughly tightened.
7. Before operating the machine, thoroughly read the operation section of your operator's manual.
8. Before operating, read the maintenance section of your operator's manual to be sure that any parts requiring lubrication, such as gearboxes, are full, to avoid any possible damage.
9. **Before operating equipment – If you have any questions regarding the proper assembly or operation, contact your dealer or representative.**

To the Owner/Operator/Dealer

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!!

**Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!**



THIS SYMBOL MEANS

- ATTENTION!
- BECOME ALERT!
- YOUR SAFETY IS INVOLVED!

THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY WARNING MESSAGES. CAREFULLY READ EACH WARNING MESSAGE THAT FOLLOWS. FAILURE TO UNDERSTAND AND OBEY A SAFETY WARNING, OR RECOGNIZE A SAFETY HAZARD, COULD RESULT IN AN INJURY OR DEATH TO YOU OR OTHERS AROUND YOU. THE OPERATOR IS ULTIMATELY RESPONSIBLE FOR THE SAFETY OF HIMSELF, AS WELL AS OTHERS, IN THE OPERATING AREA OF THE TRACTOR AND ATTACHED EQUIPMENT.

UNDERSTAND SIGNAL WORDS

Note the use of the signal words **DANGER**, **WARNING** and **CAUTION** with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION: Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

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

IMPORTANT SAFETY INFORMATION!

Working with unfamiliar equipment can lead to careless injuries. Read this manual, and the manual for your tractor, before assembly or operating, to acquaint yourself with the machines. It is the implement owner's responsibility, if this machine is used by any person other than yourself, is loaned or rented, to make certain that the operator, prior to operating:

1. Reads and understands the operator's manuals.
2. Is instructed in safe and proper use.













The use of this equipment is subject to certain hazards which cannot be protected against by mechanical means or product design. All operators of this equipment must read and understand this entire manual, paying particular attention to safety and operating instructions, prior to using. If there is something in this manual you do not understand, ask your supervisor, or your dealer, to explain it to you.

SAFETY INSTRUCTIONS (continued)



EQUIPMENT SAFETY GUIDELINES

-  Safety of the operator is one of the main concerns in designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, or for you, follow them.
-  In order to provide a better view, certain photographs or illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace the shield prior to use.
-  Replace any CAUTION, WARNING, DANGER or instruction safety sign that is not readable or is missing. Location of such safety signs is indicated in this booklet.
-  Never use alcoholic beverages or drugs which can hinder alertness or coordination while operating this equipment. Consult your doctor about operating this machine while taking prescription medications.
-  Review the safety instructions with all users annually.
-  This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operations. **Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works.**
-  To prevent injury or death, use a tractor equipped with a Roll-Over Protective System (ROPS). Do not paint over, remove or deface any safety signs or warning signs on your equipment. Observe all safety signs and practice the instruction on them.
-  Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question - **DON'T TRY IT.**
-  Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.
-  In addition to the design and configuration of this implement, including Safety Signs and Safety Equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of the machine. Refer also to Safety Messages and Operation Instructions in each of the appropriate sections of the Tractor and Loader Manuals. Pay close attention to the Safety Signs affixed to the Tractor and the Loader.

SAFETY INSTRUCTIONS (continued)



SAFETY SIGNS



Keep safety signs clean and legible at all times.



Replace safety signs that are missing or have become illegible.



Replaced parts that displayed a safety sign should also display the current sign.



Safety signs are available from your Distributor or Dealer Parts Department or the factory.

How to Install Safety Signs:



Be sure that the installation area is clean and dry.



Be sure temperature is above 50°F (10°C).



Decide on the exact position before you remove the backing paper.



Remove the smallest portion of the split backing paper.



Align the sign over the specified area and carefully press the small portion with the exposed sticky backing in place.



Slowly peel back the remaining paper and carefully smooth the remaining portion of the sign in place.



Small air pockets can be pierced with a pin and smoothed out using the piece of sign backing paper.



TIRE SAFETY



Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death.



Do not attempt to mount a tire unless you have the proper equipment and experience to do the job.



Inflating or servicing tires can be dangerous. Whenever possible, trained personnel should be called to service and/or mount tires.










Always order and install tires and wheels with appropriate capacity to meet or exceed the anticipated weight to be placed on the equipment.

SAFETY INSTRUCTIONS (continued)




SAFETY TRAINING

-  Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator.
-  In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.
-  It has been said, “The best safety device is an informed, careful operator.” We ask you to be that kind of an operator. It is the operator’s responsibility to read and understand ALL Safety and Operating instructions in the manual and to follow these. Accidents can be avoided.
-  Working with unfamiliar equipment can lead to careless injuries. Read this manual, and the manual for your tractor, before assembly or operating, to acquaint yourself with the machines. It is the equipment owner’s responsibility, if this machine is used by any person other than yourself, is loaned or rented, to make certain that the operator, prior to operating:
 1. Reads and understands the operator’s manuals.
 2. Is instructed in safe and proper use.
-  Know your controls and how to stop tractor, engine, and implement quickly in an emergency. Read this manual and the one provided with your tractor.
-  Train all new personnel and review instructions frequently with existing workers. A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.
-  Do not allow children to operate this machine.



PREPARATION

-  Never operate the tractor, loader, and attachment until you have read and completely understand this manual, the Tractor Operator’s Manual, and each of the Safety Messages found on the safety signs on the tractor, loader, and attachment.

SAFETY INSTRUCTIONS (continued)



PREPARATION (continued)



Personal protection equipment including hard hat, safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustment, maintaining, repairing, removal, or moving the implement. Do not allow long hair, loose fitting clothing or jewelry to be around moving parts.



PROLONGED EXPOSURE TO LOUD NOISE MAY CAUSE PERMANENT HEARING LOSS!

Tractors with or without equipment attached can often be noisy enough to cause permanent, partial hearing loss. We recommend that you wear hearing protection on a full-time basis if the noise in the Operator's position exceeds 80db. Noise over 85db on a long-term basis can cause severe hearing loss. Noise over 90db adjacent to the Operator over a long-term basis may cause permanent, total hearing loss. **NOTE:** Hearing loss from loud noise (from tractors, chain saws, radios, and other such sources close to the ear) is cumulative over a lifetime without hope of natural recovery.



Operate the loader attachment only with a tractor equipped with an approved Roll-Over Protective System (ROPS). Always wear your seat belt on tractors equipped with a ROPS. Serious injury or even death could result from falling off the tractor ---particularly during a turnover when the operator could be pinned under the ROPS or the tractor.



Operate only in daylight or good artificial light.



Ensure loader attachment is properly mounted, adjusted and in good operating condition.



Ensure that all safety shielding and safety signs are properly installed and in good condition.



Never permit any person other than the operator to ride or board the tractor or implement at any time. **ALLOW NO RIDERS!**



The use of any loader attachment is NOT recommended on tractor with a tricycle wheel arrangement. Tricycle type tractors are unstable for front loader use.



A heavy load can cause instability in driving a tractor. Make sure the front or rear of the tractor is properly counter-balanced with weights. Always drive slowly – especially around turns. An unstable tractor could steer badly and possibly tip over, causing injury or death.



OPERATIONAL SAFETY




















The use of this equipment is subject to certain hazards which cannot be protected against by mechanical means or product design. All operators of this equipment must read and understand this entire manual, paying particular attention to safety and operating instructions, prior to using. If there is something in this manual you do not understand, ask your supervisor, or your dealer, to explain it to you.

SAFETY INSTRUCTIONS (continued)



OPERATIONAL SAFETY (continued)

-  Most accidents occur because of neglect or carelessness. Keep all helpers and bystanders at a safe distance. REMEMBER FALLING BALES CAN ROLL OR TUMBLE.
-  Beware of low electrical wires when loader is raised. Serious injury or death can result if contact is made.
-  Always insert spears into the bale – NEVER under the bale. Failure to insert spears into bale can allow bale to roll back when loader is raised, causing serious injury or death.
-  Do not handle bales that exceed the bale weight limitations of the loader.
-  Carry the bale slowly and as low as possible to the ground.
-  Operate the loader controls smoothly, avoiding jerky operation.
-  When handling round bales on a slope, always approach the bale with the tractor facing uphill.
-  Never use the tractor/loader to stop a rolling bale.
-  Only use a tractor equipped with a ROPS cab or rollover protective structure.
-  When stacking bales, ALWAYS MAKE SURE BALES ARE PLACED SO THE STACK IS STABLE.
-  For operator safety, always keep bale in front of tractor hood. NEVER position bale back over operator. ALWAYS BE CAREFUL!
-  Always load rear of tractor first and unload last when using a front loader.
-  Beware of lift clearance when raising loader to maximum height.
-  Keep alert and watch the rear as well as the front when working with the loader.
-  When maneuvering close to buildings or passing through narrow areas, be sure to allow sufficient clearance for the tractor, loader, and bale. Drive slowly.
-  Operate loader from operator's seat only. Remain at controls until operating cycle is complete.
-  Stop loader gradually when lowering or lifting loads.

SAFETY INSTRUCTIONS (continued)



OPERATIONAL SAFETY (continued)



Allow for additional length of loader and bale on tractor while turning.



Never allow anyone to walk or work under a raised loader.



Be sure that people, livestock, or pets are not standing near the machine while operating.



Do not use loader for a work platform.



Do not lift or carry anyone on loader or in bucket or on attachment.



ALWAYS lower loader to the ground or block securely before performing any maintenance work.



Stay alert for holes, rocks and roots in the terrain and other hidden hazards. Keep away from drop-offs.



Use extreme care and maintain minimum ground speed when transporting on hillside, over rough ground and when operating close to ditches or fences. Be careful when turning sharp corners.



Reduce speed on slopes and sharp turns to minimize tipping or loss of control. Be careful when changing directions on slopes. Do not start or stop suddenly on slopes. Avoid operation on steep slopes.



When using a unit, a minimum 20% of tractor and equipment weight must be on tractor front wheels. Without this weight, tractor could tip over, causing personal injury or death. The weight may be attained with a front end loader, front wheel weights, ballast in tires of front tractor weights. When attaining a minimum 20% of tractor and equipment weight on the front wheels, you must not exceed the ROPS weight certification. Weigh the tractor and equipment. Do not guess or estimate!



Avoid excessive speed during operation.



ALWAYS lower spear points to the ground when parking tractor. Raised spear points could cause injury to people or livestock.



Always shut off tractor and shift to "Park" or set brakes when leaving tractor. Always lower bucket or attachment to ground. Remove key when leaving tractor unattended.



















Before operating equipment: if you have any questions regarding the proper assembly or operation, contact your dealer or representative.

SAFETY INSTRUCTIONS (continued)



TRANSPORT SAFETY

-  Comply with state and local laws governing highway safety and movement of farm machinery on public roads.
-  The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
-  When driving the tractor and equipment on the road or highway under 20 mph (32 kph) at night or during the day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.
-  Always be sure the implement is in the proper raised position for transport.
-  Reduce speed when transporting mounted implements to avoid bouncing and momentary loss of steering control.
-  Plan your route to avoid heavy traffic.
-  Make sure large round bales transported on tractor rear 3 pt. hitch do not obstruct visibility of tractor's flashing lights or SMV sign.
-  When transporting large round bales, keep load as low as practical to maximize tractor stability.
-  Transporting large round bales on front loaders can limit visibility. Keep load low and go slow if visibility is obstructed. Always use extra care.
-  Do not exceed 20 mph (32 kph). Reduce speed on rough roads and surfaces.
-  Do not drink and drive!
-  Watch for traffic when operating near or crossing roadways.
-  Turn curves or go up or down hills only at a low speed and at a gradual steering angle. Make certain that at least 20% of the tractor's weight is on the front wheels to maintain safe steerage. Slow down on rough or uneven surfaces, and loose gravel.
-  Use extreme care and maintain minimum ground speed when transporting on hillside, over rough ground and when operating close to ditches or fences. Be careful when turning sharp corners.
-  Never allow riders on either tractor or implement. Falling off can kill.
-  Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.

SAFETY INSTRUCTIONS (continued)



MAINTENANCE SAFETY



Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.



Follow good shop practices.

- Keep service area clean and dry.
- Be sure electrical outlets and tools are properly grounded.
- Use adequate light for the job at hand.



Make sure there is plenty of ventilation. Never operate the engine of the towing vehicle in a closed building. The exhaust fumes may cause asphyxiation.



Before working on this machine, drive to a level area, disengage the PTO, lower implement (or if working underneath, raise and block securely), shut off the engine, set the brakes, and remove the ignition keys.



Be certain all moving parts on attachments have come to a complete stop before attempting to perform maintenance.



Never work under equipment unless it is blocked securely. Never depend on hydraulic system to keep implement in raised position.



Keep all persons away from operator control area while performing adjustments, service, or maintenance.



Always use personal protection devices such as eye, hand and hearing protectors, when performing any service or maintenance.



Periodically tighten all bolts, nuts and screws and check that all cotter pins are properly installed to ensure unit is in a safe condition.



When completing a maintenance or service function, make sure all safety shields and devices are installed before placing unit in service.



Never use your hands to locate a hydraulic leak on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate the skin.










Openings in the skin and minor cuts are susceptible to infection from hydraulic fluid. If injured by escaping hydraulic fluid, see a doctor at once. Gangrene and death can result. Without immediate medical treatment, serious infection and reactions can occur.

SAFETY INSTRUCTIONS (continued)










MAINTENANCE SAFETY (continued)

-  After servicing, be sure all tools, parts and service equipment are removed.
-  Check to ensure all safety signs are installed and in good condition. (See safety sign section for location drawing.)
-  Do not allow grease or oil to build up on any deck or platform.
-  Never replace hex bolts with less than grade five bolts unless otherwise specified, i.e. shear bolts. Refer to bolt torque chart for head identification marking.
-  Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. The manufacturer will not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of their use.
-  If equipment has been altered in any way from original design, the manufacturer does not accept any liability for injury or warranty.
-  A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment.



STORAGE SAFETY

-  Following operation or when unhooking, stop the tractor, set the brakes, disengage the PTO, shut off the engine and remove the ignition keys.
-  Never unhitch without using the tongue jack. The tongue is very heavy. Attempting to lift the tongue without using the tongue jack could cause strains. Allowing the tongue to fall suddenly and unexpectedly could result in crushing injury. Use the tongue jack for lifting the implement only. Overloading the jack can cause failure with possible serious bodily injury or even death.
-  Store the unit in an area away from human activity.
-  Do not park equipment where it will be exposed to livestock for long periods of time. Damage and livestock injury could result.
-  Do not permit children to play on or around the stored unit.
-  Make sure all parked machines are on a hard, level surface and engage all safety devices.
-  If blocking is used, make sure it is solid and secure before leaving area.

SAFETY SIGNS

NOTE:
If Safety Sign
is missing or damaged,
replace immediately.

WARNING

Always insert spears in bale – never under bale.

Failure to do this can allow bale roll back when loader is raised, causing serious injury or death.

101127

NOTICE
1800 LB.
CAPACITY

101112

NOTICE
2200 LB.
CAPACITY

101113

NOTICE
3000 LB.
CAPACITY

101043



WARNING

- Read and follow owner's manual before installing, operating, or performing maintenance on this loader. Observe safety recommendations in manual.
- Do not exceed weight limit of loader or tractor.
- Do not lift or carry anyone on loader or in bucket or attachment.
- For operator safety, always keep load in front of tractor hood. **NEVER** position load back over operator.
- Add recommended wheel ballast or rear weight for stability. When handling loads on both ends of tractor, load rear first and unload last.
- Set wheels wide for increased stability.
- Never raise loader to extreme heights on steep inclines.
- Do not stand or work under raised loader.
- Stop engine, lower arms, relieve all hydraulic pressure, and lock brakes before leaving operator's seat.
- When handling round bales with fork type equipment, be sure bolt-in stabilizer spike is installed. Without spike, uncontrolled bale movement could occur.
- Failure to observe the above precautions can result in serious injury or death.

101026

INSTRUCTIONS

INTRODUCTION

The Worksaver Universal Bale Spear attachments are designed to fit most double-cylinder front end loaders with a load-arm center distance of 52 inches or less. Optional brackets are available to fit some popular quick coupler front-end loaders.

The Universal Bale Spear(s) will also work on the rear of tractors with a Category II, 3-pt. hitch.



NOTE: Loaders with only one hydraulic cylinder in the center of the loader to tilt the bucket or attachment may be used with the addition of an optional center bracket (order bracket #830312 for UBSF-1832 and UBSF-1535; #830320 for UBSF-3042 and UBSF-3045).

The maximum recommended weight of large round bales that can be handled by the various models of bale spears are as follows:

Model	Spear Type	Bale Weight
UBSF-1832	Forged	Up to 1800 lb.
UBSF-1535	Forged	Up to 2200 lb.
UBSF-3042	Forged	Up to 3000 lb.
UBSF-3045	Forged	Up to 3400 lb.



WARNING !



On double spear models UBSF-3042 and UBSF-3045, always insert spears into the bale – **NEVER** under the bale. Failure to insert spears into bale can allow bale to roll back when loader is raised, causing serious injury or death.

TRACTOR AND LOADER REQUIREMENTS AND PREPARATION

The required size of the tractor and front loader will be determined by the size and weight of the bales to be handled.

Remember, high moisture hay (silage) bales are very heavy in relation to similar size dry hay bales.

Always use a tractor and front loader large enough to safely handle your bales.

Check your tractor and front loader to make sure they are in good working condition. Check all frame mounting bolts to make sure they are tight.

Loaders that attach to the tractor frame rails should have a cross-tie installed for stability.

Check the hydraulic system. Be sure the tractor hydraulic oil and filter have been serviced according to the tractor manufacturer's recommendations.



CAUTION !



Be sure your tractor is in good condition. Read all the safety precautions and make sure all tractor operators are familiar with the safety rules of operation.



WARNING !



The use of any loader attachment is **NOT** recommended on tractors with a tricycle wheel arrangement. Tricycle type tractors are unstable for front loader use.



WARNING !



Do not exceed the maximum recommended large round bale weight listed for each of the loader spear models. Damage to the equipment or serious personal injury could result.



WARNING !



It is recommended that tractors be equipped with a rollover protective structure (ROPS) or cab.



WARNING !



A heavy load can cause instability in driving a tractor. Make sure the rear of the tractor is properly counter-balanced with weights. Always drive slowly – especially around turns. An unstable tractor could steer badly and possibly tip over, causing injury or death.

PACKING

The Universal Bale Spears are usually shipped on a pallet. The pallet should contain: (1) Main Frame Assembly; (2) Lift Channel Brackets; Main Spear Assemblies (1 for the UBSF-1832 and UBSF-1535) (2 for the UBSF-3042 and UBSF-3045); and a hardware box with an owner's guide.

NOTE: On the UBSF-1832, there are two (2) stabilizer spikes attached to the main frame. These are not needed or included on the other models.

INSTRUCTIONS (continued)

ASSEMBLY

Remove the bucket from your front end loader. Check your loader to make sure it is in good working order. Check all frame mounting bolts to make sure they are tight.

Loaders that attach to the tractor frame rails should have a cross-tie installed for stability.

Assemble the two (2) lift brackets on the main frame (Ref. #1) with the $\frac{5}{8}$ " x 3" I.D. U-Bolts. Leave the U-Bolts loose.

NOTE: The lift channel brackets are supplied with 1" diameter pins to fit your loader. If your loader requires $1\frac{1}{8}$ " pins, it will be necessary for the hole diameter in the channel brackets to be drilled out to $1\frac{5}{32}$ " (1.156") and ask your dealer to order $1\frac{1}{8}$ " diameter pins. The $1\frac{1}{8}$ " pins are part #830318. Be sure to indicate if two or four $1\frac{1}{8}$ " pins are required.

If your loader requires $1\frac{1}{4}$ " diameter pins, please ask your dealer to order adapter bushings (part #830319). Be sure to indicate how many adapter bushings are required.

NOTE: The Ford Model 7210 Loader requires a special mounting bracket kit instead of the standard lift channels supplied. Order kit #830330 for this application.

Connect the above assembly to the loader arms using the bottom hole in the channel and attach the upper control cylinders to the top hole in the lift channels. Center the main frame (side to side) with your loader arms and tighten the four (4) $\frac{5}{8}$ " x 3" U-Bolts.

The lower hole positions in the lift channels can be used to obtain more angle movement. However, if the frame becomes too parallel with the loader lift arms, the loader may not have enough power (mechanical advantage) to bring the frame back.



To help prevent personal injury, stand clear of frame and loader. Keep feet away from underside of main frame.

Raise the loader and main frame slightly so that the bottom of the main frame is about one or two inches off the ground. Engage tractor parking brake and shut off the engine.

Place some solid blocking under the main frame of the bale spear attachment for safety.

A. On the UBSF-1832, insert the long forged main spear into the upper socket and install the special hex nut.

Place the two short stabilizer spears into the sockets on the bottom of the main frame. Secure with the $\frac{5}{16}$ " x $1\frac{3}{4}$ " bolts provided.

Go back over all of the bolts and check to be sure they are tight before using the UBSF-1832 Bale Spear.

B. On the UBSF-1535, insert the long forged main spear into the upper socket and install the special hex nut.

Locate the short forged stabilizer spear into the lower socket.

C. With the Models UBSF-3045 and UBSF-3042, install the long forged main spears into the sockets in the main frame.

The threads and nut are metric – be sure correct tools are used.

OPERATION

Observe all instruction and safety decals on the Loader Attachment. These decals are shown for reference. Read them carefully before using the Loader Attachment. Replace any decals that may be faded or damaged.

Make sure all operators have read the Owner's Manual and are familiar with the instructions and the safety rules of operation.

Be sure tractor is properly counter-balanced with weights before attempting to lift any load with the Bale Spear attachment.

If you are handling bales with both the front end loader and the 3-pt. hitch on the tractor, always load the 3-pt. attachment first and unload last.

Using the bucket tilt cylinders, adjust the angle of the spear(s) so they are parallel with the center of the hay bale.

With the tractor, push the spear(s) into the large hay bale. Make sure you have penetrated the hay bale far enough so the bale doesn't want to come off the end of the spear(s). If, when you initially pick the bale up, it tends to droop forward, this would indicate you have not penetrated the bale far enough.

**REPLACE SAFETY SIGNS
IF DAMAGED OR MISSING.**

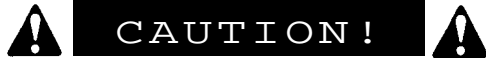
INSTRUCTIONS (continued)

Tilt the ends of the spear(s) upward (about 15-20 degrees) when transporting the hay bales. This will reduce any tendency for the bale to slide off the spear(s) while being transported.

When you have placed the hay bale in the desired location, it is recommended to tilt the spear ends slightly downward (5-7 degrees) so as you pull away from the bale it will slide off the spear(s) more easily. Different location and circumstances will determine the best withdraw angle to use.

NOTE: Always make sure bale spear fully penetrates the bale. Partial penetration locates all the weight of the bale on the outer end and can damage spear.

NOTE: In cold weather, a bale frozen to the ground may exceed the lifting capacity of spear and loader. Damage to spear or loader may occur. Not covered under warranty.



Beware of lift clearance when raising loader to maximum height.



Beware of low electrical wires when loader is raised. Serious injury or death can result if contact is made.

Keep all bystanders at a safe distance. REMEMBER – FALLING BALES CAN ROLL OR TUMBLE.

When stacking bales, ALWAYS MAKE SURE BALES ARE PLACED SO THE STACK IS STABLE.



Never exceed the lift capacity of the tractor-loader used with the spear attachment.

 **ALWAYS OBEY ALL SAFETY RULES!
ALWAYS BE CAREFUL!**

OPERATE LOADER SAFELY

- Improper use of loader can cause serious injury or death.
- Become familiar with controls.
- Be sure anyone operating the loader is aware of safe operation and potential hazards. Read and observe safety recommendations in loader manual.
- Operate loader from operator's seat only. Remain at controls until operating cycle is complete.
- Stop loader gradually when lowering or lifting loads.
- Use particular care when working on inclines and hill-sides.
- Avoid holes, ditches, and obstructions which may cause tractor/loader to tip.
- Allow for additional length of loader on tractor while turning.
- Never allow anyone to walk or work under a raised loader.
- Be sure that people, livestock, or pets are not standing near the machine while operating.
- Do not use the loader for a work platform.
- Do not lift or carry anyone on loader or in bucket or attachment.
- Carry load low.
- Travel slowly over rough ground or when making turns.
- Drive slowly through gates and doors.
- Avoid carrying loose or shiftable loads.
- Lower bucket or attachment to ground when loader is unattended.



On double spear models UBSF-3042 and UBSF-3045, always insert spears into the bale – NEVER under the bale. Failure to insert spears into bale can allow bale to roll back when loader is raised, causing serious injury or death.

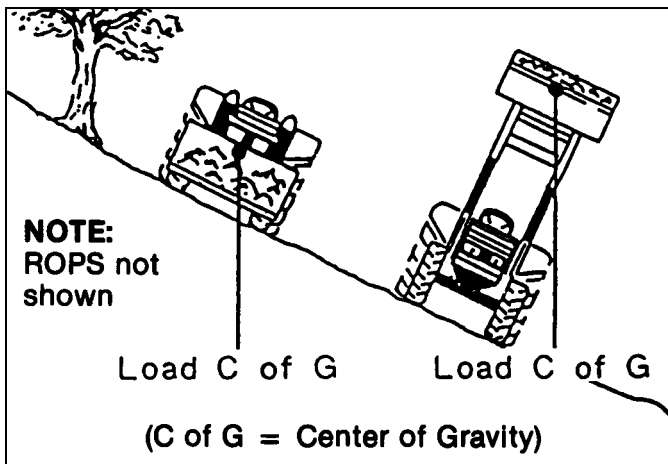
INSTRUCTIONS (continued)

HANDLE ROUND BALES SAFELY

Improper use of loaders to handle round bales can result in serious injury or death to the tractor/loader operator. This could be caused by the bale rolling back down the loader into the operator's station.

For optimum stability and visibility:

- do not handle bales that exceed the bale weight limitations of the loader.
- carry the bale slowly and as low as possible to the ground.
- operate the loader controls smoothly, avoiding jerky operation.
- when handling round bales on a slope, always approach the bale with the tractor facing uphill.
- never use the tractor/loader to stop a rolling bale.
- only use a tractor equipped with a ROPS cab or roll-over protective structure.



When working on side hills, **DO NOT RAISE LOADER TOO HIGH.** Keep an eye on terrain changes. Keep load low.



WARNING!



For operator safety, always keep bales in front of tractor hood. **NEVER** position bale back over operator. **ALWAYS BE CAREFUL!**



WARNING!



NEVER LET ANYONE CLIMB ON STACKED ROUND HAY BALES!

MAINTENANCE

Check the pins at the ends of the loader arms. Make sure they are locked in place with the linchpins.

Periodically check all bolts to make sure they are tight.

Lubricate loader as per instructions in loader manual.

Replace safety signs and instruction decals if damaged or missing.

REPLACE SAFETY SIGNS IF DAMAGED OR MISSING.



WARNING!



Always stop the tractor or skid steer, set brake, shut off engine, remove key, and lower loader to ground before attempting to service. Never leave equipment unattended with engine running.



WARNING!

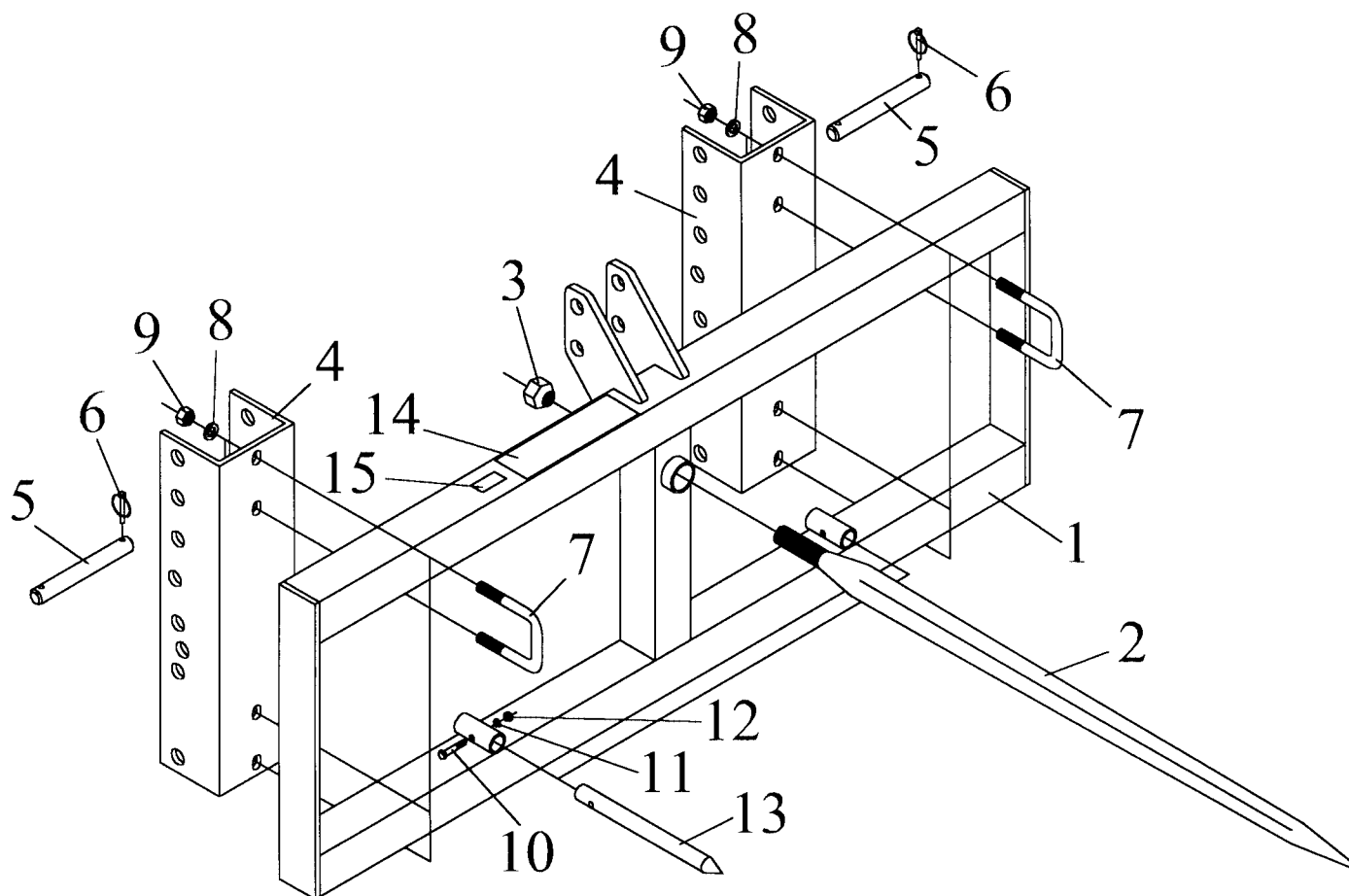


Do not work under a raised loader unless it is securely blocked or held in position. Do not depend on the hydraulic system to hold loader and attachment in place.

ALWAYS OBEY ALL SAFETY RULES!

ALWAYS BE CAREFUL!

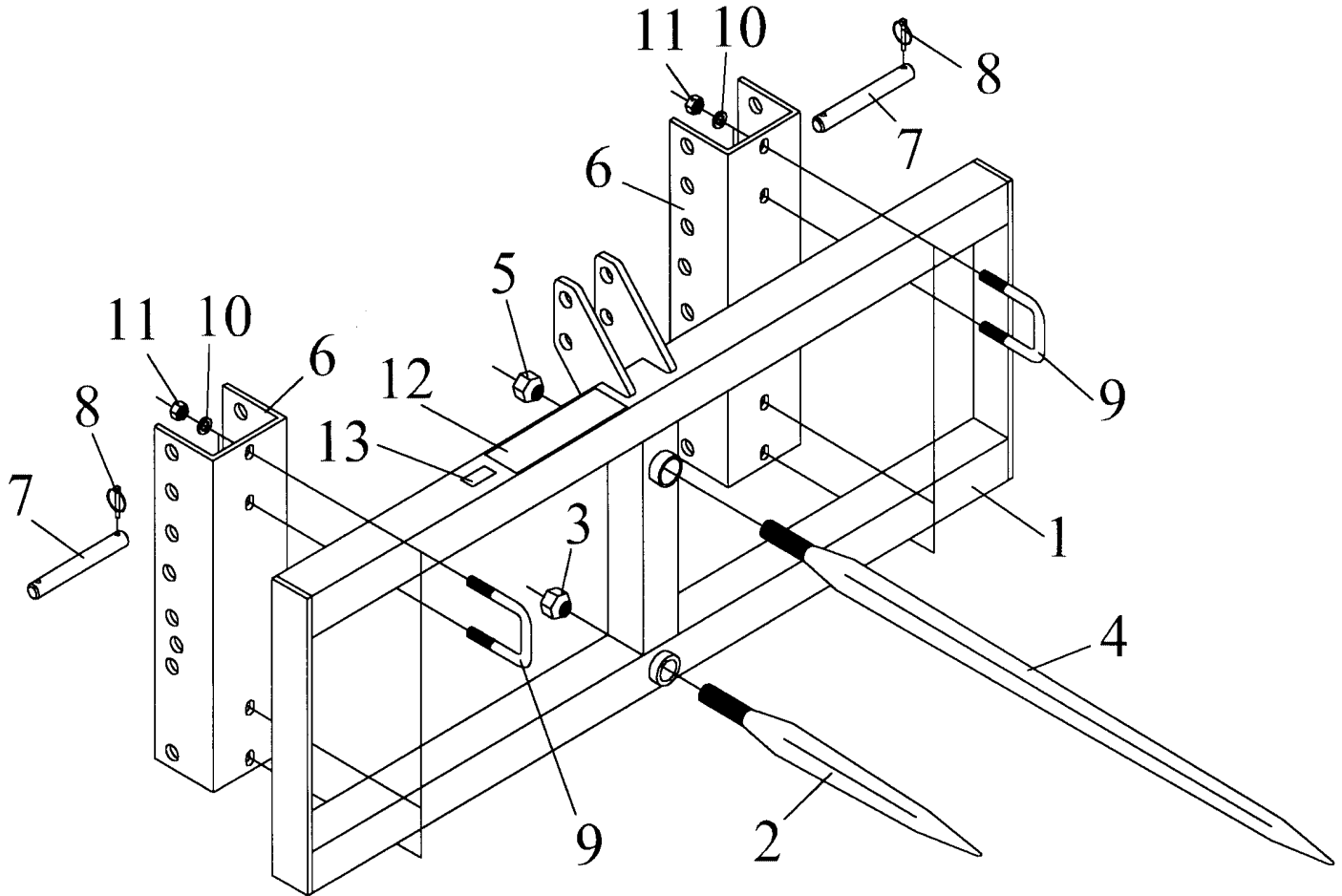
UBSF-1832 PARTS VIEW



UBSF-1832 PARTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	831766	Main Frame	1
2	831290	Tine, Hay	1
3	831291	Nut, Tine	1
4	830317	Bracket, Lift	2
5	830309	Pin, Lift	4
6	590034	Linch Pin 1/4" (AK-61)	8
7	830214	U-Bolt 5/8"-11NC x 3" ID x 4 1/2" Lg.	4
8	2502007	Washer 5/8" Spring Lock	8
9	2500013	Nut 5/8"-11NC Full Hex	8
10	2503111	Bolt 5/16"-18NC x 1 3/4" Hex Head Gr. 2	2
11	2502011	Washer 5/16" Spring Lock	2
12	2500011	Nut 5/16"-18NC Full Hex	2
13	830213	Spike, Balance	2
14	101026	Safety Sign-Caution (Instruction Manual)	1
15	101112	Safety Sign-Notice (1800 Lb. Capacity)	1

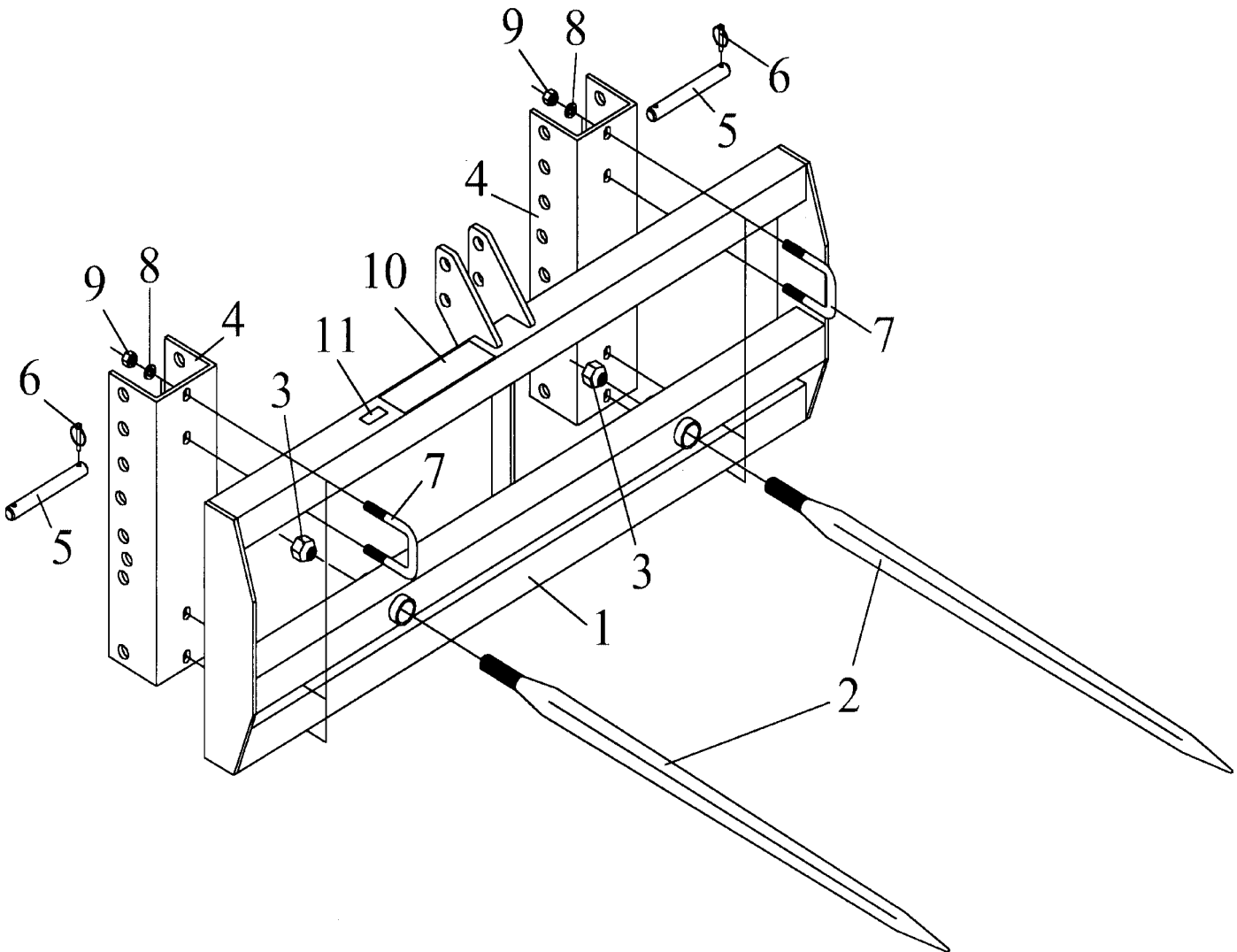
UBSF-1535 PA RTS VIEW



UBSF-1535 PA RTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	830343	Main Frame	1
2	831276	Tine, Hay (23.6")	1
3	831279	Nut, Tine M22	1
4	831273	Tine, Hay (49.2")	1
5	831274	Nut, Tine M28	1
6	830317	Bracket, Lift	2
7	830309	Pin, Lift	4
8	590034	Linch Pin 1/4" (AK-61)	8
9	830214	U-Bolt 5/8"-11NC x 3" ID x 4 1/2" Lg.	4
10	2502007	Washer 5/8" Spring Lock	8
11	2500013	Nut 5/8"-11NC Full Hex	8
12	101026	Safety Sign-Caution (Instruction Manual)	1
13	101113	Safety Sign-Notice (2200 Lb. Capacity)	1

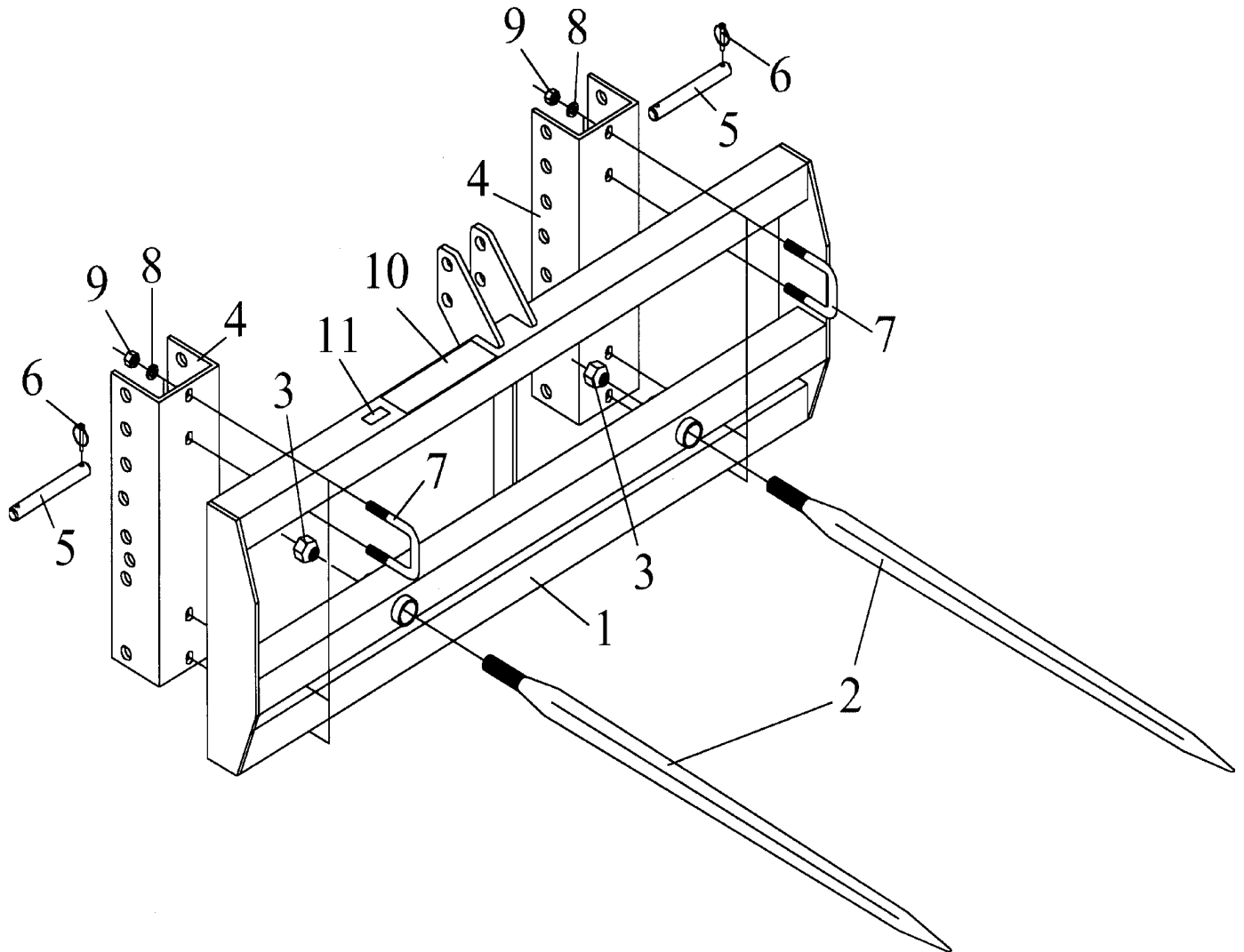
UBSF-3042 PA RTS VIEW



UBSF-3042 PA RTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	830367	Main Frame	1
2	831290	Tine, Hay	2
3	831291	Nut, Tine	2
4	830317	Bracket, Lift	2
5	830309	Pin, Lift	4
6	590034	Linch Pin 1/4" (AK-61)	8
7	830214	U-Bolt 5/8"-11NC x 3" ID x 4 1/2" Lg.	4
8	2502007	Washer 5/8" Spring Lock	8
9	2500013	Nut 5/8"-11NC Full Hex	8
10	101026	Safety Sign-Caution (Instruction Manual)	1
11	101043	Safety Sign-Notice (3000 Lb. Capacity)	1

UBSF-3045 PA RTS VIEW



UBSF-3045 PA RTS LIST

Ref. No.	Part No.	Description	No. Req'd.
1	830367	Main Frame	1
2	831273	Tine, Hay	2
3	831274	Nut, Tine	2
4	830317	Bracket, Lift	2
5	830309	Pin, Lift	4
6	590034	Linch Pin 1/4" (AK-61)	8
7	830214	U-Bolt 5/8"-11NC x 3" ID x 4 1/2" Lg.	4
8	2502007	Washer 5/8" Spring Lock	8
9	2500013	Nut 5/8"-11NC Full Hex	8
10	101026	Safety Sign-Caution (Instruction Manual)	1
11	101147	Safety Sign-Notice (3500 Lb. Capacity)	1

SAFETY PRECAUTIONS

**MOST ACCIDENTS OCCUR BECAUSE OF NEGLIGENCE OR CARELESSNESS.
AVOID NEEDLESS ACCIDENTS BY FOLLOWING ALL OF THE SAFETY PRECAUTIONS LISTED BELOW.**

- Machinery should be operated only by those who are responsible and are authorized to do so.
- Stop the engine, lower all equipment, lock the brakes, and remove the ignition key before dismounting from the tractor.
- Never stand between tractor and implement while tractor is being backed to hitch.
- Loose fitting clothing should not be worn, to avoid catching on various parts.
- Detach implement in area where children normally do not play.
- When performing adjustments or maintenance on an implement, first lower it to the ground or block it securely at a workable height.
- Only a qualified operator should be permitted on tractor when in operation; no riders allowed.
- Make certain everyone is in the clear before starting tractor or raising or lowering equipment.
- Operate the tractor and implement only while seated in the driver's seat.
- Reduce speed when transporting mounted implements to avoid bouncing and momentary loss of steering control.
- A heavy load can cause instability of the tractor. Use extreme care during road travel. Slow down on turns and watch out for bumps. Tractor may need front counterweights to counter-balance the weight of the implement.
- Reduce speed on hillsides or curves so there is no danger of tipping.
- Avoid driving too close to the edge of ditches or creeks.
- Do not transport implement on public roads without reflectors and slow moving vehicle emblem in daylight and with approved warning lights at night and other periods of poor visibility.
- Due to the width of some implements, use extra caution on highways, farm roads, and when approaching gates.
- Always be sure the implement is in the proper position for transport.
- Keep alert and watch the front as well as the rear when working with the implement.

OWNER'S/ OPERATOR'S MANUAL

MODEL NO.'s
UBSF-1832
UBSF-1535
UBSF-3042
UBSF-3045

**WHEN ORDERING REPAIR
PARTS, ALWAYS GIVE THE
FOLLOWING INFORMATION:**

1. PART NUMBER
2. PART DESCRIPTION
3. MODEL NUMBER
4. NAME OF ITEM

FEBRUARY 2002

STATEMENT OF POLICY

It is the policy of Worksaver, Inc. to improve its products where it is possible and practical to do so. Worksaver, Inc. reserves the right to make changes or improvements in design and construction at any time, without incurring the obligation to make these changes on previously manufactured units.

BALE SPEAR ATTACHMENTS

WORKSAVER LIMITED WARRANTY

W orksaver warrants its implements, parts and accessories to be free from defects in materials and workmanship for a period of six (6) months from date of purchase. Upon written approval, W orksaver will repair or exchange without charge any part, which upon examination by W orksaver or its authorized agent, shall disclose to be defective.

This does not apply to (1) parts that have worn out in normal use, (2) parts broken because of improper assembly or operation by the customer, (3) parts accidentally damaged, (4) failure of parts traceable to improper care, (5) parts failing through use of implement for purposes other than those for which it was designed.

The obligations assumed by W orksaver and the limitations expressed herein are in lieu of all other warranties expressed or implied.

W O R K S A V E R , I N C .

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