



Owner's Manual Box Blades



CAUTION
For Safe Operation
Read Rules and
Instructions Carefully



THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE THOROUGHLY UNDERSTOOD BEFORE ATTEMPTING TO BEGIN THE ASSEMBLY OF THIS MACHINE.

1. Select an area for assembly that is clean and free of debris which might cause persons working on the assembly to trip.
2. Do Not lift heavy parts or assemblies. Use a 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 the 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 and UNDERSTAND 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 HawkLine Dealer or representative.**

STATEMENT OF POLICY

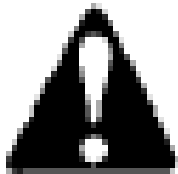
It is the policy of HawkLine to improve its products where it is possible and practical to do so. HawkLine reserves the right to make changes or improvements in design and construction at any time, without incurring the obligation to make these changes on previously manufactured units.

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Important Safety Information

Please stay alert for these signs



THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY WARNING MESSAGES. CAREFULLY READ EACH WARNING MESSAGE THAT FOLLOWS. FAILURE TO UNDERSTAND AND OBEY SAFETY WARNINGS 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 BOX BLADE.



This safety sign denotes a **POTENTIAL** hazard. If the situation is not avoided it **MAY** result in minor or moderate injury.



This safety sign denotes a hazard exists that, if not avoided, can lead to injury or death if proper precautions are not taken.



This safety sign denotes an **IMMINENTLY** hazardous situation. If situation is not avoided, **WILL** result in **DEATH** or **SERIOUS** injury.

To the Owner/Operator/Dealer

All implements with moving parts are potentially hazardous. There is no substitution for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer had 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 as shown in the manual. Observe the rules of safety and common sense!

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 both machines. It is the Owner/Operator's responsibility, if this machine is used by any person other than yourself, is loaned or rented, to make certain prior to operating:

1. Reads and understands the operator's manual.
2. Is instructed in safety issues and proper usage.

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 safety and operating instructions, prior to use. If there is something in this manual you do not understand, ASK your dealer or manufacture, to explain it to you. Improper use can occur on machines that are loaned out or rented to someone who has not read the owner's manual and is not familiar with a Box Blade.



Safety Information



This Box Blade was designed for one-man operation from the tractor seat. Most accidents occur because of neglect or carelessness. It is the responsibility of the operator to see that no one is within twenty-five feet (25') of the box blade when it is in operation. Do not operate the implement with another person near, or in contact with, any part of the box blade. Serious personal injury or death may result if any attempt is made to assist operation by hand.

Only properly trained people should operate this machine. It is always recommended the tractor be equipped with Roller over Protection System (ROPS) and a seat belt that is used. Always stop the PTO, set break, shut off the tractor engine, remove the tractor key, and allow implement to come to a complete stop before dismounting tractor. Never leave equipment unattended with tractor running.



The use of this equipment is subject to certain hazards which cannot be protected against by mechanical means or production 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.

Please remember it is important that you read and heed the safety signs on the box blade, and the safety rules set forth herein. Clean or replace all safety stickers if they can not be clearly read and understood. They are there for your safety as well as the safety of others. The safe use of this machine is strictly up to you the operator.



Safety Information



All things with moving parts are potentially hazardous. There is no substitute for a cautious, safe minded operator who recognizes 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. Study this manual to make sure you have all the safety equipment attached.



When maneuvering close to buildings or passing through narrow areas, be sure to allow sufficient clearance for the implement and tractor. NEVER operate tractor and implement under trees with low hanging limbs. Operators can be knocked off tractor and run over by implement.



This box blade is only designed for speeds in the range of 5-10 mph. Reduce speed on rough surfaces.



When the use of hand tools is required to perform any part of assembly, installation, adjustment, maintenance, repairing, removal or moving the box blade, be sure the tools used are designed and recommended by the tool manufacturer for that specific task.



Personal protection equipment including hard hats, safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustments, maintenance, repairing, removal, or moving the harrow, **DO NOT ALLOW** long hair, loose fitting clothing or jewelry to be around moving parts. **Eye protection must be worn when removing or installing scarifier shank clips.**



Always use two people to handle heavy, unwieldy components during assembly, installation, removal, or moving the box blade.



Never place any part of your body where it would be in danger, if movement should occur during assembly, installation, operation, maintenance, repairing, removal or moving the box blade.



Never place yourself between the tractor and box blade while implement is in operation. When removing, or adjusting equipment, be sure your body is never under the box blade.



A heavy load can cause instability of the tractor. Use extreme care during travel. Slow down on turns and watch out for bumps. The tractor may need front counter-weights to counter-balance the weight of the box blade.



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 and some over-the-counter medications.



DO NOT ALLOW RIDERS on the box blade or tractor at any time. There is **NO** safe place for any riders. **NEVER ALLOW CHILDREN TO OPERATE OR BE AROUND BOX BLADE.**



Before you operate the box blade, check over all pins, bolts and connections to be sure all are securely in place. Replace any damaged or worn parts immediately.



Consult local utility companies to make certain there are no buried gas lines, electrical cables, etc., in the work area before beginning operation.

Do Not allow anyone who is not familiar with the safety rules and operation instructions to use this Box Blade.

Safety Information



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 be responsible for the use of unapproved parts and/or accessories and the damages that can result in their use.



Never replace any bolt with any length other than what is specified in this manual. A longer, or protruding fastener is more likely to grab loose clothing or gloves which can result in serious injury or death.



Clear work area of objects which might be picked up and thrown or entangled in the box blade.



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 tractors' weight is on the front wheels to maintain safe steering. Slow down on rough or uneven surfaces, and loose gravel.



Check that all hardware is properly installed. Always tighten all bolts to proper torque. Make sure attachment is properly secured, adjusted and in good operating condition.



Keep alert and watch the front as well as the rear when working with equipment. DO NOT operate close to ditches or creeks. Be careful to avoid catching implement on stumps or other immovable objects.



Make adjustments to implement only when it is attached to a tractor and blocked up. Always keep all persons and children away from area when performing adjustments, service or maintenance.



Worn edges can seriously effect the box blade's penetration. Check for wear before each use, replace as necessary.



Know your controls and how to stop your tractor, engine, and implement quickly in an emergency.



DO NOT OPERATE THE BOX BLADE WITHOUT CHECKING THAT ALL MOVABLE PARTS ARE IN GOOD WORKING ORDER. ALWAYS USE CARE WHEN OPERATING BOX BLADE.

Safety is a primary concern in design, manufacture, sale and use of the Box Blade. At HawkLine, we want to confirm to you, our Customers, our concern for safety.

Our current production machines include, as standard equipment, safety signs. Older machines can be retrofitted to add these new safety signs. If you have an older machine which does not have current standard safety equipment, please contact your dealer about bringing your machine up to the current level of safety.



INSTRUCTIONS

Tractor Requirements and Preparation

The Medium and Heavy Duty Box Blade is designed to fit Category I tractors equipped with a standard 3-pt hitch. The tractor should have a minimum horsepower rating of 20 and a maximum engine rating of 70 hp.

Note: Some Category 0 tractors have very short lift arms or 5/8" diameter (Cat 0) lift arm ball ends. These tractors are not usually suitable for using the heavy duty box blade.

Check the tractor's 3-pt hydraulic lift system. It should operate up and down smoothly and have enough power to lift the box blade. Refer to your tractor's operators manual or dealer for any adjustments necessary to put the 3-pt. hydraulic lift system in good working order. (I & T shop manuals will list most specifications and adjustment instructions — available from most farm equipment dealers).

Check the shield over the PTO stub shaft. Make sure it is in good condition and bolted securely to the tractor. Purchase a

new shield if the old shield is damaged or missing.

Smaller size tractors may need front counter weight to counter-balance the weight of the box blade.

It is recommended that the tractor be equipped with a Rollover Protection System (ROPS) and a seat belt that is used.



A heavy load can cause instability in driving a tractor. Make sure the front 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.

Dealer Assembly

- * Attach the upper 3-pt A-frame members to the lower 3-pt hitch lugs. DO NOT TIGHTEN hardware.
- * Align the A-Frame top link and lower hitch holes in order to allow your hitch pins to pass through them.
- * A-Frame should be positioned square to the box blade frame when tightening hardware.
- * Tighten all hardware to proper torque.

Dealer Assembly

Before inserting shanks, attach box blade to tractor's 3-pt hitch using top 3-pt hitch pin and lynch pins (not included), or raise up the front of the box blade and support with blocks.

Shank Setting & Adjustments

Remove shanks from shipping position and insert into shank tube from the bottom side with tips pointing toward the tractor. Position shank to the desired depth and secure with shank lock pin and hair pin cotter.

Shank settings from the bottom of end plate to tip of shanks are as follows:

- Top Hole - 5 1/2" below
- Second Hole - 3 1/2" below
- Third Hole - 1 1/2" below
- Fourth Hole - 1/2" above

Pitch Adjustment

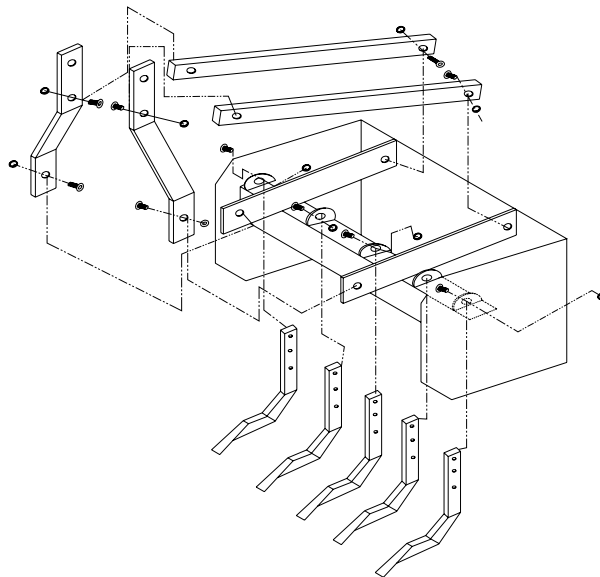
Leveling the box blade or increasing the pitch of the cutting blade is accomplished by adjusting the top link of the tractor.



When using the box blade in a reverse position use extra care - DO NOT RAM BOX BLADE into dirt piles! Tractor lift arms and the box blade are built to take high impact loads in this position. Ramming backwards can also dislodge operator from seat and/or tractor controls, resulting in possible serious injury or death.



Eye protection must be worn when removing or installing scarifier shank clips.



Mounting



tipping over tractor. Use front counterweights if necessary.

Never allow anyone to stand between the tractor hitch and the box blade. Always stand to the side until the tractor is in park.

It is recommended that sway bars or chains be used with the box blade to keep implement from swinging side to side. The draw bar should be checked to handle the weight of the implement when the unit is being raised for the first time.

If the tractor has a Cat 0 (20") lift arm spacing and Cat 1 lift arm balls (7/8" dia.), then install pins to the outside.

A minimum of 20% of the tractor weight MUST be on the front wheels of the tractor when transporting to keep from

Align lower link arms of tractor to hitch lugs on the Box Blade. Insert lower hitch pins into lower ball swivels and attach lynch pins.

Attach tractor top link to upper hitch of the Box Blade. Secure with pins.

When using a Category 1 quick hitch, the lower bushing of the upper hitch of the is the connecting point.

Check to see that the box blade is level front to back. The box blade is leveled by adjusting the length of the tractor's top link. Experience will allow the operator to determine the best setting for each application.

Preparation Procedure

- ◆ Thoroughly read and understand your Operator's Manuals.
- ◆ Before beginning operation, clear area of objects that might interfere with soil preparation such as rocks or tree debris. Contact the Local Utility Company to make certain there are no gas lines, electrical cables, etc., in the work area.
- ◆ Check for ditches, stumps, holes, or other obstacles that could cause the tractor to roll.
- ◆ Be sure tractor tires and rims are in good condition. Inflate tires to proper air pressure.
- ◆ All Persons should be at least twenty-five feet (25') away. Clear the area of helpers, bystanders, and especially children.
- ◆ Do NOT allow anyone to stand between the hitch and box blade.
- ◆ It is only recommended that tractors with wide front axles use the box blade. Tricycle front wheel arrangements are inherently unstable and can cause roll over accidents.
- ◆ Check the tractor master shield over the PTO stub shaft. Make sure it is in good condition and fastened securely to the tractor.
- ◆ Make sure all safety stickers are installed and in good condition. Replace if damaged.
- ◆ Do Not Allow riders. There is no safe place for any one to ride or sit on tractor or implement.
- ◆ Check that all equipment is properly installed and securely attached to the tractor.
- ◆ Eye protection must be worn when removing or installing scarifier shank clips.

Operation

IF YOU HAVE ANY QUESTIONS REGARDING THE PROPER OPERATION OF THIS BOX BLADE, CONTACT YOUR DEALER OR THE MANUFACTURER.

The box blade is designed for a wide range of applications: scarifying, scraping, leveling, grading, and backfilling. It is the responsibility of the operator to see that no one else is within twenty-five feet (25') of the tractor when it is started.

- Set tractor brakes.
- Take tractor out of gear. Shift to “Park” (if applicable).
- Box Blade should be level when operating. Adjust top link so implement is flat on level surface.
- Before operation make sure all adjustments have been made to the box blade for desired operation.
- Lower box blade to ground and start moving forward. Your speed will be determined by the condition of the soil. You may need to use less or more angle depending on the job.
- Speed of the tractor should not exceed 5 mph.

- When you are turning lift the unit from the ground.
- Pass diagonally through sharp dips and avoid sharp drops to prevent “hanging up” the tractor and box blade.
- Watch for hidden hazards on the terrain during operation.



DO NOT TAKE A DITCH AT 90° (straight on)! Always go in at an angle or damage may occur.



Before dismounting power unit or performing any adjustments to the box blade make sure to disengage power to equipment, lower 3-pt hitch and all raised components to the ground, operate valve levers to release any hydraulic pressure, set parking break, stop engine, remove key and then dismount tractor.

IT IS ESSENTIAL THAT EVERYONE INVOLVED IN THE OPERATION, TRANSPORTATION, MAINTENANCE, AND STORAGE OF THIS EQUIPMENT BE AWARE, CONCERNED, PRUDENT AND PROPERLY TRAINED IN SAFETY.



Shanks are extremely sharp. Exercise extreme caution when working around or near scarifier shanks. Do not climb over machine above blades. Failure to stay clear of blade edges can result in serious injury.



Stop power unit and equipment IMMEDIATELY upon striking an obstruction. Turn off engine, remove key, inspect, and repair any damage before resuming operation. Never leave the seat of the tractor while engine is engaged.

Operation

Scarifying

1. Place the scarifier shanks in position with the points facing toward the tractor.
2. Lock into position with the lock keys provided. The lower shank position provides the greatest ground penetration.
3. Lower the box blade and drive tractor ahead to begin the scarifying operation.
4. Adjust the depth of the scarifier by tilting the unit with the tractor top link. Shortening the top link will provide deeper and more aggressive operation.

Scraping

1. Raise or remove the scarifier shanks. Lower the box blade and drive forward to move material.
2. Adjust the depth of the blade by tilting the unit with the tractor top link.
Shortening the top link when scraping will transfer more weight on the front of the blade and will raise the cutting blade to provide a more shallow cut.

Note: When the top link is adjusted properly, the bowl of the blade should fill easily and material can be pulled to a desired location.

3. To change the level of the blade, shorten or lengthen the tractor lift arm tilt link to provide the correct slope.
4. Spread material by gradually raising the box as the tractor moves forward.
Note: Top link adjustment for loose or previously scarified material will differ from adjustment for hard or compacted material.

Backfilling

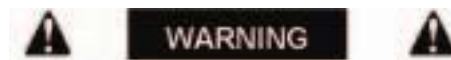
1. Raise or remove scarifier shanks.
2. Lower the blade to the ground and back up into the fill material.
3. Shorten the top link to raise the cutting blade and control how much the blade digs in.

Leveling

1. Raise or remove scarifier shanks.
2. Shorten the top link so the cutting edge clears the ground.
3. Drive forward with the box blade in this position and loose material will be leveled.



ALWAYS TURN OFF TRACTOR AND REMOVE KEY BEFORE MAKING ANY ADJUSTMENTS TO IMPLEMENT.



UNDERGROUND UTILITIES —
Contact appropriate agencies to determine if hazardous items are buried under the work area **BEFORE SCARIFYING!** Be certain underground utilities have been called to locate underground electric, gas, telephone and other lines. Check your telephone book for calling instructions. Be sure the operator is properly informed. **WHEN IN DOUBT, DO NOT DIG!**



Maintenance

Before servicing the machine, disengage the PTO, engage the parking break or place the transmission in “PARK”, shut off tractor and remove key.

1. Make certain the safety and instruction decals are attached to the box blade 3-pt hitch. If they are lost, damaged, or painted over, order replacements from the manufacturer. Please call HawkLine at 1-866-291-2495.
2. Telescoping parts must be kept clean and lubricated.
3. Clean unit of dirt and debris to minimize rusting and wear.
4. Keep all shields in place. Order new shields if damaged or missing.
5. Keep cutting edges sharp. Sharp cutting edges work easier and better. Check more often if working in rocky soil conditions.
6. Replace any worn or damaged parts immediately.
7. **NEVER GO UNDERNEATH EQUIPMENT.** Never place any part of the body underneath equipment or between movable parts even when the engine is turned off.

Blocking Up Box Blade

Note: To service the box blade when attached to the tractor, it must be blocked up off the ground.

1. Place two 4”x4” blocks under each side frame of the box blade.
2. Lower box blade to rest securely on the blocks.
3. Do not block machine any higher than needed for removing the shanks or cutting edges.

Removing Scarifier Shanks

Scarifier shanks have two operating positions in the blade. They may be removed if scarifying action is not needed.

1. Block up machine by placing two 4”x4” blocks under each side-frame of the box

blade.

2. Lower the box blade to rest securely on the blocks.
3. Remove lock pin and lift lock rod upward to disengage locking lug from behind shank.
4. Engage shank retaining notch on blade frame.
5. Place lock rod lugs behind each shank and secure lock rod in position with lock pin.

Replacing Scarifier Tooth

1. Remove scarifier shank from scarifier bar.
2. Remove the worn tooth by driving a chisel between shank and tooth.
3. Install replacement tooth and use a punch to bend the locking tab into the retaining hole on both sides of the shank.
4. Reinstall the shank in the scarifier bar.



Eye protection must be worn when removing or installing scarifier shank clips.

Replacing Cutting Edge

All Box Blade models use two 1/2” x 6” cutting edges. They are interchangeable and reversible.

To service the box blade when attached to the tractor, it must be blocked up off the ground.

1. Place two 4” x 4” blocks under each side-frame of the box blade
2. Lower the box blade to rest securely on blocks.
3. Remove the lock nuts and plow bolts from blade. Turn cutting edge over and use new edge, or replace it if both sides have been used.
4. Attach cutting edge to box blade and secure with plow bolts and hex nuts previously removed. Torque to specifications.

Maintenance

CLEANING AND STORAGE

AFTER EACH USE

- * Remove large debris such as clumps of dirt, grass, crop residue, etc. from machine.
- * Inspect machine and replace worn or damaged parts
- * Replace and safety decals that are missing or not readable.

BEFORE EXTENDED STORAGE

- * Follow cleaning from above.
- * Wash box blade using low-pressure water spray.
- * Be careful when spraying near scratched or torn safety decals or near edges of decals as water spray can peel decals off surface. Spraying near chipped or scratched paint can also cause paint to peel more.
- * Inspect machine for worn or damaged parts, replace any missing safety stickers.
- * Sand down scratches and edges where paint is missing and repaint to prevent rust.
- * Store the unit in a shed or under tarpaulin to protect from the weather. The shanks and tires should be resting on boards or some other object, keep out of soil when storing.
- * Store in clean, dry place away from human activity or livestock.

Box Blade Options:

- BB48SD- 4' Standard duty, Cat 1, 3 Scarifier Shanks
- BB60SD- 5' Standard duty, Cat 1 4 Scarifier Shanks
- BB48SC- 4' Sub-compact, Cat 1 lift pins on Cat 0 spacing
- BB48- 4' Med duty, Cat 1, quick hitch compatible
- BB60- 5' Med duty, Cat 1, quick hitch compatible
- BB72- 6' Med duty, Cat 1, quick hitch compatible
- BB72HD- 6' Heavy duty, Cat I & II, hinged back edge
- BB84HD- 7' Heavy duty, Cat I & II, hinged back edge
- BB96HD- 8' Heavy duty, Cat I & II, hinged back edge



Replacement Parts Available:

- Category I Lift Arm Pin
- Scarifier Shank w/ point
- Cutting Edge 4' Blade
- Cutting Edge 5' Blade
- Cutting Edge 6' Blade
- Cutting Edge 7' Blade
- Cutting Edge 8' Blade
- Blade Mounting bolts w/ lock washer & nut
- Hitch Frame
- Hitch Frame bolt kit

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 200 Front Street Mt. Orab, OH 45154
Phone 937-444-HAWK **Fax** 937-444-0888
Toll-free 1-866-291-HAWK
www.gohawkline.com



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 tractor.
- ◆ Never stand between tractor and implement while tractor is being backed to a hitch.
- ◆ Loose fitting clothing should not be worn, to avoid catching on various parts.
- ◆ Detach implement in an area where children normally do not play.
- ◆ When performing adjustments or maintenance on an implement, lower it to the ground or block it securely at a workable height.
- ◆ Only a qualified operator should be permitted on the tractor when in operation; no riders allowed.
- ◆ Make certain everyone is in the clear before starting tractor or raising / 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 caution during road travel. Slow down on turns and watch for bumps. Tractor may need front counter-weights to counter-balance the weight of the implement.
- ◆ Reduce speed on hillsides or curves to avoid possibility 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 transporting.
- ◆ Keep alert and watch the front as well as the rear when working with the implement.

LIMITED WARRANTY

HawkLine warrants its implements, parts and accessories to be free from defects in materials and workmanship for a period of 1 year from date of purchase. Upon written approval, HawkLine will repair or exchange without charge any part, which upon examination by Hawkline 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 Hawkline and the limitations expressed herein are in lieu of all other warranties expressed or implied.

NOTICE: Hawkline is NOT responsible for damage to parts that need replacement through regular usage. These parts would include but are not limited to the scarifier shanks.

This warranty shall be null and void if any of the components have not been properly maintained and lubricated and if they have been subjected to abuse or misuse.